Stoltz, Carrie R - DNR

From: Eaton, John M - DNR
Sent: Friday, April 26, 2024 11:33 AM
To: Stoltz, Carrie R - DNR
Subject: FW: Stormwater Results
Attachments: Stormwater Sample Results 2021.pdf; Stormwater Sample Results 2020.pdf; Stormwater Sample Results 2019.pdf; Stormwater Sample Results.pdf

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

John Eaton
Phone: 715-491-4092
John.eaton@wisconsin.gov

From: Jean Leader <jleader@comrecycling.net>
Sent: Wednesday, June 28, 2023 9:07 AM
To: Eaton, John M - DNR <john.eaton@wisconsin.gov>
Subject: Stormwater Results

Hi John,

Per our conversation, I have attached the past testing results for you.

Jean'

Jean Leader
Safety and Compliance Coordinator | Commercial Recycling Corporation
P 715.748.2970 **E** jleader@comrecycling.net
A W6779 State Hwy 64, Medford, WI 54451

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 20, 2018

Brian Bailey
REI Engineering
4080 North 20th Ave
Wausau, WI 54401

RE: Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

Dear Brian Bailey:
Enclosed are the analytical results for sample(s) received by the laboratory on November 07, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Steven Mleczko for
Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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CERTIFICATIONS

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485
A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DW Certification #: 9952 C
West Virginia DEP Certification #: 382
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40179089001	**OUTFALL**	Water	11/06/18 07:30	11/07/18 09:10

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SAMPLE ANALYTE COUNT

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40179089001	**OUTFALL**	EPA 6010	TXW	7	PASI-G
		EPA 120.1	DEY	1	PASI-G
		EPA 1664A OG	AR3	1	PASI-M
		SM 2540D	KTS	1	PASI-G
		SM 5210B	DDY	1	PASI-G
		EPA 9040	ALY	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G

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ANALYTICAL RESULTS

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

Sample: OUTFALL **Lab ID: 40179089001** Collected: 11/06/18 07:30 Received: 11/07/18 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Aluminum	**1170**	ug/L	500	55.5	1	11/15/18 14:15	11/16/18 16:35	7429-90-5	
Arsenic	**<8.3**	ug/L	25.0	8.3	1	11/15/18 14:15	11/16/18 16:35	7440-38-2	
Chromium	**4.3J**	ug/L	10.0	2.5	1	11/15/18 14:15	11/16/18 16:35	7440-47-3	
Copper	**9.3J**	ug/L	20.0	6.3	1	11/15/18 14:15	11/16/18 16:35	7440-50-8	
Iron	**1680**	ug/L	246	73.9	1	11/15/18 14:15	11/16/18 16:35	7439-89-6	
Lead	**<5.9**	ug/L	19.7	5.9	1	11/15/18 14:15	11/16/18 16:35	7439-92-1	
Zinc	**116**	ug/L	40.0	11.6	1	11/15/18 14:15	11/16/18 16:35	7440-66-6	
120.1 Specific Conductance	Analytical Method: EPA 120.1								
Specific Conductance @ 25C	**55.4**	umhos/cm	6.0	1.8	1		11/14/18 10:03		
1664A HEM, Oil and Grease	Analytical Method: EPA 1664A OG								
Oil and Grease	**2.5J**	mg/L	4.9	1.5	1		11/13/18 12:17		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**16.2**	mg/L	2.0	0.95	1		11/08/18 11:05		
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B								
BOD, 5 day	**13.4**	mg/L	6.0	6.0	3	11/07/18 10:25	11/12/18 12:08		
9040 pH	Analytical Method: EPA 9040								
pH at 25 Degrees C	**6.8**	Std. Units	0.10	0.010	1		11/09/18 08:57		H6
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4								
Chemical Oxygen Demand	**60.5**	mg/L	44.8	13.4	1	11/14/18 06:37	11/14/18 10:18		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

QC Batch: 306750
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 40179089001

METHOD BLANK: 1793839 Matrix: Water
Associated Lab Samples: 40179089001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<55.5	500	11/16/18 16:11	
Arsenic	ug/L	<8.3	25.0	11/16/18 16:11	
Chromium	ug/L	<2.5	10.0	11/16/18 16:11	
Copper	ug/L	<6.3	20.0	11/16/18 16:11	
Iron	ug/L	<73.9	246	11/16/18 16:11	
Lead	ug/L	<5.9	19.7	11/16/18 16:11	
Zinc	ug/L	<11.6	40.0	11/16/18 16:11	

LABORATORY CONTROL SAMPLE: 1793840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5020	100	80-120	
Arsenic	ug/L	500	488	98	80-120	
Chromium	ug/L	500	499	100	80-120	
Copper	ug/L	500	508	102	80-120	
Iron	ug/L	5000	5040	101	80-120	
Lead	ug/L	500	486	97	80-120	
Zinc	ug/L	500	504	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1793841 1793842

Parameter	Units	40179009001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	<55.5	5000	5000	5120	5170	102	103	75-125	1	20	
Arsenic	ug/L	<8.3	500	500	480	505	96	101	75-125	5	20	
Chromium	ug/L	<2.5	500	500	499	514	100	103	75-125	3	20	
Copper	ug/L	<6.3	500	500	493	516	98	103	75-125	5	20	
Iron	ug/L	192J	5000	5000	5330	5450	103	105	75-125	2	20	
Lead	ug/L	<5.9	500	500	493	505	98	101	75-125	2	20	
Zinc	ug/L	<11.6	500	500	519	531	102	104	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

QC Batch: 306515 Analysis Method: EPA 120.1
QC Batch Method: EPA 120.1 Analysis Description: 120.1 Specific Conductance
Associated Lab Samples: 40179089001

METHOD BLANK: 1792616 Matrix: Water
Associated Lab Samples: 40179089001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance @ 25C	umhos/cm	<1.8	6.0	11/14/18 10:00	

LABORATORY CONTROL SAMPLE: 1792617

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance @ 25C	umhos/cm	628	640	102	80-120	

SAMPLE DUPLICATE: 1792618

Parameter	Units	40179089001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance @ 25C	umhos/cm	55.4	55.0	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

QC Batch: 575136 Analysis Method: EPA 1664A OG
QC Batch Method: EPA 1664A OG Analysis Description: 1664A HEM, Oil and Grease
Associated Lab Samples: 40179089001

METHOD BLANK: 3121875 Matrix: Water
Associated Lab Samples: 40179089001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<1.5	5.0	11/13/18 10:52	

LABORATORY CONTROL SAMPLE: 3121876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.2	96	78-114	

MATRIX SPIKE SAMPLE: 3121877

Parameter	Units	10454601001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	517	38.5	421	-247	78-114	M1

SAMPLE DUPLICATE: 3121878

Parameter	Units	10454562001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	ND	8.6J		18	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

QC Batch: 305868 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40179089001

METHOD BLANK: 1787832 Matrix: Water
Associated Lab Samples: 40179089001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	11/08/18 11:05	

LABORATORY CONTROL SAMPLE: 1787833

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	110	110	80-120	

SAMPLE DUPLICATE: 1787834

Parameter	Units	40179093001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	340	340	0	5	

SAMPLE DUPLICATE: 1787835

Parameter	Units	40179097004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	200	180	11	5	R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

QC Batch: 305766 Analysis Method: SM 5210B
QC Batch Method: SM 5210B Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 40179089001

METHOD BLANK: 1786899 Matrix: Water
Associated Lab Samples: 40179089001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	11/12/18 11:55	

METHOD BLANK: 1786905 Matrix: Water
Associated Lab Samples: 40179089001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	11/12/18 12:30	

LABORATORY CONTROL SAMPLE & LCSD: 1786901 1786902

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	198	224	222	113	112	84.6-115	1	20	

LABORATORY CONTROL SAMPLE & LCSD: 1786901 1786904

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	198	224	226	113	114	84.6-115	1	20	

SAMPLE DUPLICATE: 1786906

Parameter	Units	40179093001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	765	723	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

QC Batch: 306003 Analysis Method: EPA 9040
QC Batch Method: EPA 9040 Analysis Description: 9040 pH
Associated Lab Samples: 40179089001

SAMPLE DUPLICATE: 1788832

Parameter	Units	40178431002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.5	7.5	0	20	H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

QC Batch: 306468 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 40179089001

METHOD BLANK: 1792426 Matrix: Water
Associated Lab Samples: 40179089001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<13.4	44.8	11/14/18 10:18	

LABORATORY CONTROL SAMPLE: 1792427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	497	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792428 1792429

Parameter	Units	40179092001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<14.2	526	526	519	537	97	101	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1792430 1792431

Parameter	Units	40179092002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<14.2	526	526	530	528	99	99	90-110	0	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 575136

[BE]	Batch extracted by solid phase extraction (SPE).

ANALYTE QUALIFIERS

H6	Analysis initiated outside of the 15 minute EPA required holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40179089

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40179089001	**OUTFALL**	EPA 3010	306750	EPA 6010	306916
40179089001	**OUTFALL**	EPA 120.1	306515		
40179089001	**OUTFALL**	EPA 1664A OG	575136		
40179089001	**OUTFALL**	SM 2540D	305868		
40179089001	**OUTFALL**	SM 5210B	305766	SM 5210B	306266
40179089001	**OUTFALL**	EPA 9040	306003		
40179089001	**OUTFALL**	EPA 410.4	306468	EPA 410.4	306508

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

REI

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Commercial Recycling Corp REI
Branch/Location:	ARC II Wausau
Project Contact:	John Deml
Phone:	715-748-2970
Project Number:	8114
Project Name:	Commercial Recycling Corp
Project State:	WI
Sampled By (Print):	Jean Leeder
Sampled By (Sign):	Jean Leeder
PO #:	Regulatory Program:

Quote #:	40179089
Mail To Contact:	Brian Bailey
Mail To Company:	REI
Mail To Address:	bbailey@REIengineering.com
Invoice To Contact:	SAA
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: Oil + Grease	pH	TSS	5-Day BOD	Conductivity	COD	Aluminum, Copper, Lead, Iron	Zinc, Arsenic, Chromium	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	B	A	A	A	A	C	D	D				
001	Outfall	11/6/18	7:30A	SW			X	X	X	X	X	X	X	X			

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed:	
Transmit Prelim Rush Results by (complete what you want):	
Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jean Leeder	11/6/18 11:45m	[signature]	11/6/18 11:45A
[signature] REI	11/6/18		
Waltco	11/7/18 0910	[signature] Pace	11/7/18 0910

PACE Project No. 40179089

Receipt Temp = 2.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: REI Project # 40179089

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A Initial when completed: DK Date/ Time:

Lab Lot# of pH paper: 10452687 Lab Std #ID of preservation (if pH adjusted):

	Glass						Plastic							Vials						Jars			General							
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001		✓						2			✓		✓	✓														✓			✓		2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☑N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO# : 40179089

40179089

Client Name: REI

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 1889090

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

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

Thermometer Used SR - NA **Type of Ice:** Wet Blue Dry None ☐ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: R01

Temp Blank Present: ☐ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 11/7/18
Initials: DRS

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3. no time DRS 11/7/18
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WW		
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 11-7-18

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

December 06, 2019

Jason Christopherson
REI
4080 N. 20th Ave
Wausau, WI 54401

RE: Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

Dear Jason Christopherson:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
CNMI Saipan Certification #: MP0003
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Guam EPA Certification #: MN00064
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: 03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Massachusetts Certification #: M-MN064
Massachusetts DWP Certification #: via MN 027-053-137
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Certifcation #: via MN 027-053-137
Minnesota Petrofund Certification #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40199708001	**OUTFALL**	Water	11/21/19 07:30	11/22/19 09:20

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SAMPLE ANALYTE COUNT

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40199708001	**OUTFALL**	EPA 200.7	TXW	7	PASI-G
		EPA 120.1	DEY	1	PASI-G
		EPA 1664B OG	JER	1	PASI-M
		SM 2540D	JXM	1	PASI-G
		SM 4500-H+B	ALY	1	PASI-G
		SM 5210B	EXM	1	PASI-G
		EPA 410.4	TJJ	1	PASI-G

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ANALYTICAL RESULTS

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

Sample: OUTFALL **Lab ID: 40199708001** Collected: 11/21/19 07:30 Received: 11/22/19 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7								
Aluminum	**674**	ug/L	500	90.3	1	11/25/19 05:38	11/25/19 14:59	7429-90-5	
Arsenic	**<8.3**	ug/L	25.0	8.3	1	11/25/19 05:38	11/25/19 14:59	7440-38-2	
Chromium	**<2.5**	ug/L	10.0	2.5	1	11/25/19 05:38	11/25/19 14:59	7440-47-3	
Copper	**9.7J**	ug/L	11.2	3.4	1	11/25/19 05:38	11/25/19 14:59	7440-50-8	
Iron	**928**	ug/L	117	35.2	1	11/25/19 05:38	11/25/19 14:59	7439-89-6	
Lead	**<5.9**	ug/L	19.7	5.9	1	11/25/19 05:38	11/25/19 14:59	7439-92-1	
Zinc	**73.4**	ug/L	40.0	11.6	1	11/25/19 05:38	11/25/19 14:59	7440-66-6	
120.1 Specific Conductance	Analytical Method: EPA 120.1								
Specific Conductance @ 25C	**84.6**	umhos/cm	6.0	1.8	1		11/26/19 10:50		
1664B HEM, Oil and Grease	Analytical Method: EPA 1664B OG								
Oil and Grease	**<1.5**	mg/L	5.0	1.5	1		12/04/19 08:27		
2540D Total Suspended Solids	Analytical Method: SM 2540D								
Total Suspended Solids	**15.0**	mg/L	2.4	1.1	1		11/26/19 12:16		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	**7.0**	Std. Units	0.10	0.010	1		11/26/19 10:39		H6
5210B BOD, 5 day	Analytical Method: SM 5210B Preparation Method: SM 5210B								
BOD, 5 day	**15.2**	mg/L	5.0	5.0	2.5	11/22/19 11:50	11/27/19 11:36		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4								
Chemical Oxygen Demand	**69.9**	mg/L	50.0	14.7	1	12/03/19 05:33	12/03/19 09:24		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

QC Batch: 341668 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET
Associated Lab Samples: 40199708001

METHOD BLANK: 1984962 Matrix: Water
Associated Lab Samples: 40199708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<90.3	500	11/25/19 13:51	
Arsenic	ug/L	<8.3	25.0	11/25/19 13:51	
Chromium	ug/L	<2.5	10.0	11/25/19 13:51	
Copper	ug/L	<3.4	11.2	11/25/19 13:51	
Iron	ug/L	<35.2	117	11/25/19 13:51	
Lead	ug/L	<5.9	19.7	11/25/19 13:51	
Zinc	ug/L	<11.6	40.0	11/25/19 13:51	

LABORATORY CONTROL SAMPLE: 1984963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4950	99	85-115	
Arsenic	ug/L	500	489	98	85-115	
Chromium	ug/L	500	459	92	85-115	
Copper	ug/L	500	476	95	85-115	
Iron	ug/L	5000	4950	99	85-115	
Lead	ug/L	500	501	100	85-115	
Zinc	ug/L	500	489	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1984964 1984965

Parameter	Units	40199550001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	<90.3	5000	5000	4880	4970	97	99	70-130	2	20	
Arsenic	ug/L	<8.3	500	500	485	488	97	98	70-130	1	20	
Chromium	ug/L	<2.5	500	500	460	468	92	93	70-130	2	20	
Copper	ug/L	50.6	500	500	530	534	96	97	70-130	1	20	
Iron	ug/L	258	5000	5000	5130	5140	97	98	70-130	0	20	
Lead	ug/L	<5.9	500	500	489	500	97	100	70-130	2	20	
Zinc	ug/L	35.6J	500	500	506	519	94	97	70-130	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1984966 1984967

Parameter	Units	40199669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	0.77 mg/L	5000	5000	5960	5700	104	99	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1984966 1984967

Parameter	Units	40199669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	0.015J mg/L	500	500	550	531	107	103	70-130	3	20	
Chromium	ug/L	0.41 mg/L	500	500	878	824	93	83	70-130	6	20	
Copper	ug/L	0.22 mg/L	500	500	717	677	100	92	70-130	6	20	
Iron	ug/L	20.6 mg/L	5000	5000	25800	24600	104	80	70-130	5	20	
Lead	ug/L	0.056 mg/L	500	500	545	522	98	93	70-130	4	20	
Zinc	ug/L	0.83 mg/L	500	500	1340	1290	102	92	70-130	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

QC Batch: 341896 Analysis Method: EPA 120.1
QC Batch Method: EPA 120.1 Analysis Description: 120.1 Specific Conductance
Associated Lab Samples: 40199708001

METHOD BLANK: 1985752 Matrix: Water
Associated Lab Samples: 40199708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Specific Conductance @ 25C	umhos/cm	<1.8	6.0	11/26/19 10:39	

LABORATORY CONTROL SAMPLE: 1985753

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Specific Conductance @ 25C	umhos/cm	608	624	103	90-110	

SAMPLE DUPLICATE: 1985754

Parameter	Units	40199575001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Conductance @ 25C	umhos/cm	80200	83100	4	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

QC Batch: 647899
QC Batch Method: EPA 1664B OG
Analysis Method: EPA 1664B OG
Analysis Description: 1664B HEM, Oil and Grease
Associated Lab Samples: 40199708001

METHOD BLANK: 3485762 Matrix: Water
Associated Lab Samples: 40199708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<1.5	5.0	12/04/19 08:27	

LABORATORY CONTROL SAMPLE: 3485763

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	36.0	90	78-114	

MATRIX SPIKE SAMPLE: 3485764

Parameter	Units	10500817001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40.8	33.8	81	78-114	

SAMPLE DUPLICATE: 3485765

Parameter	Units	10500411001 Result	Dup Result	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	<1.4	<1.5		18	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

QC Batch: 341870 Analysis Method: SM 2540D
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 40199708001

METHOD BLANK: 1985683 Matrix: Water
Associated Lab Samples: 40199708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<0.48	1.0	11/26/19 12:16	

LABORATORY CONTROL SAMPLE: 1985684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	102	102	80-120	

SAMPLE DUPLICATE: 1985685

Parameter	Units	35513865001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	11300	10900	3	10	

SAMPLE DUPLICATE: 1985686

Parameter	Units	35513865002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5050	4920	3	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

QC Batch: 341878
QC Batch Method: SM 4500-H+B
Analysis Method: SM 4500-H+B
Analysis Description: 4500H+B pH
Associated Lab Samples: 40199708001

SAMPLE DUPLICATE: 1985710

Parameter	Units	40199458001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.6	7.6	1	5	H6

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

QC Batch: 341572
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B BOD, 5 day
Associated Lab Samples: 40199708001

METHOD BLANK: 1983752 Matrix: Water
Associated Lab Samples: 40199708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	11/27/19 11:15	

METHOD BLANK: 1983757 Matrix: Water
Associated Lab Samples: 40199708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
BOD, 5 day	mg/L	<2.0	2.0	11/27/19 11:48	

LABORATORY CONTROL SAMPLE & LCSD: 1983754 1983755

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	198	213	224	108	113	84.6-115	5	20	

LABORATORY CONTROL SAMPLE & LCSD: 1983754 1983756

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	198	213	226	108	114	84.6-115	6	20	

SAMPLE DUPLICATE: 1983875

Parameter	Units	40199697001 Result	Dup Result	RPD	Max RPD	Qualifiers
BOD, 5 day	mg/L	280	300	7	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

QC Batch: 342218 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 40199708001

METHOD BLANK: 1987430 Matrix: Water
Associated Lab Samples: 40199708001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	12/03/19 09:23	

LABORATORY CONTROL SAMPLE: 1987431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	518	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1987432 1987433

Parameter	Units	40199765001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	549	545	104	103	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1987434 1987435

Parameter	Units	40199765002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	547	547	103	103	90-110	0	10	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-M	Pace Analytical Services - Minneapolis

BATCH QUALIFIERS

Batch: 647899

[BE]	Batch extracted by solid phase extraction (SPE).

ANALYTE QUALIFIERS

H6	Analysis initiated outside of the 15 minute EPA required holding time.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8114 COMMERCIAL RECYCLING CORP
Pace Project No.: 40199708

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40199708001	**OUTFALL**	EPA 200.7	341668	EPA 200.7	341794
40199708001	**OUTFALL**	EPA 120.1	341896		
40199708001	**OUTFALL**	EPA 1664B OG	647899		
40199708001	**OUTFALL**	SM 2540D	341870		
40199708001	**OUTFALL**	SM 4500-H+B	341878		
40199708001	**OUTFALL**	SM 5210B	341572	SM 5210B	342011
40199708001	**OUTFALL**	EPA 410.4	342218	EPA 410.4	342319

(Please Print Clearly)

Company Name:	REI
Branch/Location:	Wausau
Project Contact:	John Deml
Phone:	715-748-2970
Project Number:	8114
Project Name:	Commercial Recycling Corp
Project State:	WI
Sampled By (Print):	Jean Leader
Sampled By (Sign):	Jean Leader
PO #:	
Regulatory Program:	

PaceAnalytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

40199708

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Jason Christopherson
Mail To Company:	REI
Mail To Address:	jchristopherson@REIengineering.com
Invoice To Contact:	SAA
Invoice To Company:	SAA
Invoice To Address:	SAA
Invoice To Phone:	715-675-9784

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

				FILTERED? (YES/NO)	Y/N	N	N	N	N	N	N					
				PRESERVATION (CODE)*	Pick Letter	B	A	A	A	C	D					
					Analyses Requested	Oil + Grease	pH + conductivity	TSS	5-Day BOD	COD	Al, Cu, Pb, Fe, Zn, As, Cr					
PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX										CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	Outfall	11/21/19	730	SW		X	X	X	X	X	X				MH	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jean M Leader	11/21/19 9:01 Am	[signature]	11/21/19 9:21 Am
[signature]	11/21/19 3:00pm		
Walt Ho	11/22/19 0920	Brandon Pace	11/22/19 0920

PACE Project No. 40199708

Receipt Temp = 4.5 °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: RE1 Project # 40199708

All containers needing preservation have been checked and noted below: ☒Yes ☐No ☐N/A Initial when completed: BC Date/Time: 11/22 0930

Lab Lot# of pH paper: 10153581 Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001		1						2			1		1	1														X			X		2.5 / 5 / 10
002																																	2.5 / 5 / 10
003																																	2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

11/22/19 BC

Exceptions to preservation check: VOA, Coliform, TOC,.TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40199708

40199708

Client Name: RES engineering

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco
☐ Client ☐ Pace Other:

Tracking #: 225146-1

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

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

Thermometer Used SR - 91 **Type of Ice:** Wet Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4.0 /Corr: 4.5

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 11/22/19
Initials: BB

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. No PM# Number
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☒Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 11/22/19

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Storm Water Chemical Analysis Report

Form 3400-176B (R 01/20)

Notice: The Department is authorized to request the information in this report under ch. 283, Wis. Stats. Proper use of this form will aid permittees in making complete information submittals and thereby minimize the need for subsequent information requests by the Department. If false information from quarterly visual inspections is reported to the Department, you could be subject to penalties up to $10,000 pursuant to s. 283.91(4), Wis. Stats. Personally identifiable information on this form may be used for other water quality program purposes.

Please type or clearly print your answers to all questions.

Section I: Facility/Site Information

Facility/Site Name (as Appears on Permit Authorization)	County	
Commercial Recycling Corp. CRC II Facility	Taylor	
Location Address/Description (if different from mailing address below)	**State**	**ZIP Code**
W6617 State Highway 64	WI	54451

Municipality		Facility Identification (FID) and/or FIN Number (if known)		
Medford	(•) City ( ) Village ( ) Township	FID: 861058880	FIN:	61324

Section II: Facility/Site Contact Person (person who collected storm water samples)

Contact Person	Title
Jean Leader	Safety & Compliance Coordinator

Mailing Address (if different than site location address)	Municipality	State	ZIP Code

Phone Number (include area code)	Fax (include area code)	Email Address or Website (if applicable)
715-748-2970		records@comrecycling.net

Section III: Laboratory Information

Lab Name	WI Certification Number
Pace Analytical Services, LLC	405132750

Phone Number (include area code)	Subcontract Lab Name(s) (if applicable)
920-469-2438	N/A

Submit lab reports along with all information (including chain of custody forms, quality control data, etc.) received from laboratory.

Section IV: Sample Information

Discharge or Outfall Number	**Sample Number**	Description of Outfall or Discharge (pipe, grass swale, channel, etc.)
		Catch Basin

Date of Sample Collection	Amount of Rainfall (nearest tenth of an inch)	Rainfall Event: Start Time	Rainfall Event: End Time
11/10/2020			

Sample Collection: Start Time	Sample Collection: End Time	Time Interval Between Sample Collection	Number of Samples Collected
7:00 am			

When a facility has more than one outfall which have storm water discharges substantially similar based on consideration of industrial activity, significant materials, and management, one outfall may be selected to represent the group of similar outfalls provided that this strategy has been clearly stated in the facility monitoring plan and that the representative outfall is clearly identified as such on the drainage base map.

Is this outfall representative of other discharges from the facility? ( ) Yes ( ) No

If yes, identify all of the outfalls that this one represents:

Discharge or Outfall Number	**Sample Number**	Description of Outfall or Discharge (pipe, grass swale, channel, etc.)

Date of Sample Collection	Amount of Rainfall (nearest tenth of an inch)	Rainfall Event: Start Time	Rainfall Event: End Time

Sample Collection: Start Time	Sample Collection: End Time	Time Interval Between Sample Collection	Number of Samples Collected

Is this outfall representative of other discharges from the facility? ( ) Yes ( ) No

If yes, identify all of the outfalls that this one represents:

List additional sample information on page 2.

Discharge or Outfall Number	**Sample Number**	Description of Outfall or Discharge (pipe, grass swale, channel, etc.)

Date of Sample Collection	Amount of Rainfall (nearest tenth of an inch)	Rainfall Event: Start Time	End Time

Sample Collection: Start Time	End Time	Time Interval Between Sample Collection	Number of Samples Collected

Is this outfall representative of other discharges from the facility? ◯ Yes ◯ No

If yes, identify all of the outfalls that this one represents:

Discharge or Outfall Number	**Sample Number**	Description of Outfall or Discharge (pipe, grass swale, channel, etc.)

Date of Sample Collection	Amount of Rainfall (nearest tenth of an inch)	Rainfall Event: Start Time	End Time

Sample Collection: Start Time	End Time	Time Interval Between Sample Collection	Number of Samples Collected

Is this outfall representative of other discharges from the facility? ◯ Yes ◯ No

If yes, identify all of the outfalls that this one represents:

Discharge or Outfall Number	**Sample Number**	Description of Outfall or Discharge (pipe, grass swale, channel, etc.)

Date of Sample Collection	Amount of Rainfall (nearest tenth of an inch)	Rainfall Event: Start Time	End Time

Sample Collection: Start Time	End Time	Time Interval Between Sample Collection	Number of Samples Collected

Is this outfall representative of other discharges from the facility? ◯ Yes ◯ No

If yes, identify all of the outfalls that this one represents:

Section V: Certification & Signature (person attesting to the accuracy and completeness of the Storm Water Chemical Analysis Report)

This form must be signed by an official representative of the permitted facility in accordance with s. NR 216.22(7), Wis. Adm. Code. See instructions on page 3. If this form is not signed, or is found to be incomplete, it will be returned.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative		Date Signed	Telephone Number (include area code)	
[signature]		12\14\2020	715-748-2970	
Type or Print Name	Company Name		Position Title	
Diane Messman	Commercial Recycling Corp		General Manager	
Mailing Address		Municipality	State	ZIP Code
W6779 State Hwy 64		Medford	WI	54451

Instructions

Please type or clearly print your answers to all questions. Read instructions before completing this form.

Section I: Facility/Site Information

Provide the name of the facility as it appears on the permit application or permit cover letter and location address. If known, provide the Facility Identification (FID) and/or FIN Number assigned by the WDNR.

Section II: Facility/Site Contact Person

Provide the facility contact information for the person responsible for collecting the storm water samples. The mailing address should be given for the facility contact person if it is different from the facility site location address information.

Section III: Laboratory Information

Provide the name of the laboratory, WI Certification number, and laboratory contact information for the laboratory that performed the chemical analyses on your facility's storm water samples.

Section IV: Sample Information

Provide the name and description of the outfalls sampled; the date and start and end time of the sample collection; and the amount, start and end times of the sampled rainfall event. Also include the time interval between sample collection and the number of samples collected. Indicate if this outfall is representative of other discharges from the facility and identify those representative outfalls. Use additional sheets if necessary.

Section V: Certification & Signature

State Statutes provide for severe penalties for submitting false information on this form. State regulations require this form be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of Vice President, or a duly authorized representative having overall responsibility for the operation covered by this permit.
2. For a unit of government, a principal executive officer, a ranking elected official, or other duly authorized representative.
3. For a partnership, by a general partner; for a sole proprietorship, by the proprietor.
4. For a limited liability company, by member or manager.

Sign the form, print or type the name of the individual signing the certification and the date of signature, and provide the contact information.

Mailing Addresses

Unless otherwise directed, mail this completed form to the Wisconsin Department of Natural Resources (WDNR) office associated with the county of the facility site location as follows:

NORTHERN REGION (NOR)

Ashland	Forest	Price	WDNR Eau Claire Service Center
Barron	Iron	Rusk	1300 W Clairemont Ave
Bayfield	Langlade	Sawyer	Eau Claire, WI 54701
Burnett	Lincoln	Taylor	715-839-1636
Douglas	Oneida	Vilas	
Florence	Polk	Washburn	

NORTHEAST REGION (NER)

Brown	Manitowoc	Shawano	WDNR Northeast Regional Headquarters
Calumet	Marinette	Waupaca	2984 Shawano Avenue
Door	Marquette	Waushara	Green Bay, WI 54313-6727
Fond du Lac	Menominee	Winnebago	
Green Lake	Oconto		(920) 662-5100
Kewaunee	Outagamie		

WEST CENTRAL REGION (WCR)

Buffalo	Jackson	Pierce	WDNR Eau Claire Service Center
Chippewa	Juneau	Portage	1300 W Clairemont Ave
Clark	La Crosse	St. Croix	Eau Claire, WI 54701
Crawford	Marathon	Trempealeau	715-839-1636
Dunn	Monroe	Vernon	
Eau Claire	Pepin	Wood	

SOUTH CENTRAL REGION (SCR)

Columbia	Green	Richland	WDNR South Central Regional Headquarters
Dane	Iowa	Rock	3911 Fish Hatchery Rd.
Dodge	Jefferson	Sauk	Fitchburg, WI 53711
Grant	LaFayette		(608) 275-3266

SOUTHEAST REGION (SER)

Kenosha	Racine	Washington	WDNR SER Headquarters
Milwaukee	Sheboygan	Waukesha	2300 N Dr. Martin Luther King Jr. Dr
Ozaukee	Walworth		Milwaukee, WI 53212

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 25, 2020

Erin Henderson
REI
4080 N 20th Ave
Wausau, WI 54401

RE: Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

Dear Erin Henderson:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2020. 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 - Green Bay

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

Sincerely,

Steven Mleczko for
Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kaylin Felix, REI

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40218134001	**OUTFALL**	Water	11/10/20 07:00	11/11/20 09:10

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40218134001	**OUTFALL**	EPA 6010	TXW	5
		EPA 410.4	TJJ	1

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

Sample: OUTFALL **Lab ID: 40218134001** Collected: 11/10/20 07:00 Received: 11/11/20 09:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay								
Aluminum	**6350**	ug/L	500	90.3	1	11/13/20 06:12	11/16/20 22:05	7429-90-5	
Chromium	**14.4**	ug/L	10.0	2.5	1	11/13/20 06:12	11/16/20 22:05	7440-47-3	
Copper	**31.5**	ug/L	10.0	3.4	1	11/13/20 06:12	11/16/20 22:05	7440-50-8	
Iron	**10000**	ug/L	100	56.7	1	11/13/20 06:12	11/16/20 22:05	7439-89-6	
Zinc	**275**	ug/L	40.0	11.6	1	11/13/20 06:12	11/16/20 22:05	7440-66-6	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**131**	mg/L	50.0	14.7	1	11/19/20 18:10	11/19/20 21:32		

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

QC Batch: 371193
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40218134001

METHOD BLANK: 2146256 Matrix: Water
Associated Lab Samples: 40218134001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<90.3	500	11/16/20 21:40	
Chromium	ug/L	<2.5	10.0	11/16/20 21:40	
Copper	ug/L	<3.4	10.0	11/16/20 21:40	
Iron	ug/L	<56.7	100	11/16/20 21:40	
Zinc	ug/L	<11.6	40.0	11/16/20 21:40	

LABORATORY CONTROL SAMPLE: 2146257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5060	101	80-120	
Chromium	ug/L	500	516	103	80-120	
Copper	ug/L	500	510	102	80-120	
Iron	ug/L	5000	5150	103	80-120	
Zinc	ug/L	500	524	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2146258 2146259

Parameter	Units	40218120001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	96.2J	5000	5000	5320	5200	105	102	75-125	2	20	
Chromium	ug/L	<2.5	500	500	531	517	106	103	75-125	3	20	
Copper	ug/L	9.4J	500	500	551	537	108	106	75-125	3	20	
Iron	ug/L	78.2J	5000	5000	5380	5250	106	103	75-125	2	20	
Zinc	ug/L	24.7J	500	500	570	526	109	100	75-125	8	20	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

QC Batch: 371921
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40218134001

METHOD BLANK: 2150639 Matrix: Water
Associated Lab Samples: 40218134001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	11/19/20 21:31	

LABORATORY CONTROL SAMPLE: 2150640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	513	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150641 2150642

Parameter	Units	40218051001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	566	564	106	105	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150643 2150644

Parameter	Units	40218051002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	266	526	526	821	817	105	105	90-110	1	10	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

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TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40218134

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40218134001	**OUTFALL**	EPA 3010	371193	EPA 6010	371294
40218134001	**OUTFALL**	EPA 410.4	371921	EPA 410.4	371932

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

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CHAIN OF CUSTODY

40218134

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	REI
Branch/Location:	Wausau
Project Contact:	
Phone:	
Project Number:	8114
Project Name:	Commercial Recycling
Project State:	WI
Sampled By (Print):	Jean Leader
Sampled By (Sign):	Jean Leader
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Erin Henderson
Mail To Company:	REI Engineering
Mail To Address:	ehenderson@reiengineering
Invoice To Contact:	SAA
Invoice To Company:	SAA
Invoice To Address:	SAA
Invoice To Phone:	715-675-9784

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					N	C	COD			
					N	D	Al, Cr, Cu, Fe, Zn			
001	Outfall	11/10/20	7:30A	SW		X				
						X				

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jean Leader	11/10/20 11:15AM		11/10/20 11:15A
	11/11/20 0910		11/11/20 0910

PACE Project No.
40218134

Receipt Temp = 1.0 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 06/14/06

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: REI Project # 40218134

All containers needing preservation have been checked and noted below: ☒Yes ☐No ☐N/A Initial when completed: MP Date/ Time:

Lab Lot# of pH paper: 10D4194 Lab Std #ID of preservation (if pH adjusted):

	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
ace ab #	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
01												1	1															X				2.5 / 5 / 10
02																													X			2.5 / 5 / 10
03																																2.5 / 5 / 10
04																																2.5 / 5 / 10
05																																2.5 / 5 / 10
06																																2.5 / 5 / 10
07																																2.5 / 5 / 10
08																																2.5 / 5 / 10
09																																2.5 / 5 / 10
10																																2.5 / 5 / 10
11																																2.5 / 5 / 10
12																																2.5 / 5 / 10
13																																2.5 / 5 / 10
14																																2.5 / 5 / 10
15																																2.5 / 5 / 10
16																																2.5 / 5 / 10
17																																2.5 / 5 / 10
18																																2.5 / 5 / 10
19																																2.5 / 5 / 10
20																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☒N/A *If yes look in headspace column

G1U	1 liter amber glass
B1U	1 liter clear glass
A1H	1 liter amber glass HCL
A4S	125 mL amber glass H2SO4
A4U	120 mL amber glass unpres
A5U	100 mL amber glass unpres
A2S	500 mL amber glass H2SO4
B3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40218134

Client Name: REI

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco ☐ Client ☐ Pace Other:

Tracking #: 2644918-1

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

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

Thermometer Used SR - NA **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.0 /Corr:

Person examining contents:

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Date: 1/11/20 /Initials: MO

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☐No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

November 23, 2021

Shaun Carrol
REI

,

RE: Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

Dear Shaun Carrol:

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 - Green Bay

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Kaylin Felix, REI

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40236833001	**OUTFALL**	Water	11/11/21 06:00	11/12/21 08:50

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SAMPLE ANALYTE COUNT

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40236833001	**OUTFALL**	EPA 6010D	TXW	5
		EPA 410.4	TMK	1

PASI-G = Pace Analytical Services - Green Bay

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ANALYTICAL RESULTS

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

Sample: OUTFALL **Lab ID: 40236833001** Collected: 11/11/21 06:00 Received: 11/12/21 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010D MET ICP	Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Green Bay								
Aluminum	**740**	ug/L	500	90.3	1	11/17/21 06:40	11/19/21 11:30	7429-90-5	
Chromium	**2.7J**	ug/L	10.0	2.5	1	11/17/21 06:40	11/19/21 11:30	7440-47-3	
Copper	**11.3**	ug/L	10.0	3.4	1	11/17/21 06:40	11/19/21 11:30	7440-50-8	
Iron	**999**	ug/L	100	56.7	1	11/17/21 06:40	11/19/21 11:30	7439-89-6	
Zinc	**63.5**	ug/L	40.0	11.6	1	11/17/21 06:40	11/19/21 11:30	7440-66-6	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**67.7**	mg/L	50.0	14.7	1	11/17/21 23:55	11/18/21 02:51		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

QC Batch: 401976
QC Batch Method: EPA 3010A
Analysis Method: EPA 6010D
Analysis Description: 6010D MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40236833001

METHOD BLANK: 2321425 Matrix: Water
Associated Lab Samples: 40236833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<90.3	500	11/19/21 11:01	
Chromium	ug/L	<2.5	10.0	11/19/21 11:01	
Copper	ug/L	<3.4	10.0	11/19/21 11:01	
Iron	ug/L	<56.7	100	11/19/21 11:01	
Zinc	ug/L	<11.6	40.0	11/19/21 11:01	

LABORATORY CONTROL SAMPLE: 2321426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	10200	102	80-120	
Chromium	ug/L	250	252	101	80-120	
Copper	ug/L	250	262	105	80-120	
Iron	ug/L	10000	10300	103	80-120	
Zinc	ug/L	250	263	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2321427 2321428

Parameter	Units	40236645001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	271J	10000	10000	10300	10400	100	102	75-125	1	20	
Chromium	ug/L	15.5	250	250	265	271	100	102	75-125	2	20	
Copper	ug/L	16.4	250	250	297	308	112	117	75-125	4	20	
Iron	ug/L	58000	10000	10000	70600	71300	126	133	75-125	1	20	P6
Zinc	ug/L	1260	250	250	1580	1580	129	127	75-125	0	20	P6

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: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

QC Batch: 402084
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40236833001

METHOD BLANK: 2322233 Matrix: Water
Associated Lab Samples: 40236833001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	11/18/21 02:48	

LABORATORY CONTROL SAMPLE: 2322234

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	518	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2322235 2322236

Parameter	Units	40236642007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	57.3	526	526	594	585	102	100	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2322237 2322238

Parameter	Units	40237011001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	471	526	526	1010	1020	103	104	90-110	0	10	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8114 COMMERCIAL RECYCLING
Pace Project No.: 40236833

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40236833001	**OUTFALL**	EPA 3010A	401976	EPA 6010D	402163
40236833001	**OUTFALL**	EPA 410.4	402084	EPA 410.4	402090

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

10236833

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	REI Engineering
Branch/Location:	Wausau, WI
Project Contact:	Shawn Carroll
Phone:	715-675-9784
Project Number:	8114
Project Name:	Commercial Recycling
Project State:	WI
Sampled By (Print):	Sean Leader
Sampled By (Sign):	Sean Leader
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Shawn Carroll
Mail To Company:	REI Engineering
Mail To Address:	Scarroll@reiengineering.com
Invoice To Contact:	
Invoice To Company:	Same
Invoice To Address:	
Invoice To Phone:	Same

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested: Total Metals (Al, Cr, Cu, Fe, Zn)	Analyses Requested: Chemical Oxygen Demand	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Y/N	Pick Letter					
001	Outfall	11/11/21	6AM	W	N	D	X	X			
					N	C					

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Sean Leader	11/11/21 1:24pm		11/11/26
Eli Felix	11/11/21 3:15PM		
Walt Co	11/12/21 850		

PACE Project No.

Receipt Temp = 6.0 °C

Sample Receipt pH (OK) Adjusted

Cooler Custody Seal Present / (Not Present)
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Client Name: RET

Sample Preservation Receipt Form

Project # 10236833

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: ☒Yes ☐No ☐N/A

Lab Lot# of pH paper: 100104 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: MP Date/ Time:

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm)*	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN						
001																												X		X		2.5 / 5 / 10
002																																2.5 / 5 / 10
003																																2.5 / 5 / 10
004																																2.5 / 5 / 10
005																																2.5 / 5 / 10
006																																2.5 / 5 / 10
007																																2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

11/12/20

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm) : ☐Yes ☐No ☒N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO#: 40236833

40236833

Client Name: RET

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☒ Waltco ☐ Client ☐ Pace Other:

Tracking #: 3033444-1

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no 11/12/21 MP

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

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

Thermometer Used SR - 114 **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: .5 /Corr: .6

Temp Blank Present: ☒ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents: Date: 11/12/21 Initials: MP

Labeled By Initials: AJ

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☒No ☐N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☒Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: 11/12/21 MP	☒Yes ☐No ☐N/A	12. 001 11 12:00 pm 11/12/21 MP
-Includes date/time/ID/Analysis Matrix: N		
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi

Page 2 of 2

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 07, 2023

Jason Christopherson
REI
4080 N. 20th Ave
Wausau, WI 54401

RE: Project: 8114
Pace Project No.: 40270076

Dear Jason Christopherson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 25, 2023. 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 - Green Bay

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

Sincerely,

Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Brian Bailey, REI Engineering

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 8114
Pace Project No.: 40270076

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-21-8
Virginia VELAP Certification ID: 11873
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-21-00008
Federal Fish & Wildlife Permit #: 51774A

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 8114
Pace Project No.: 40270076

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40270076001	**OUTFALL 1**	Water	10/24/23 07:00	10/25/23 08:25
40270076002	**OUTFALL 2**	Water	10/24/23 07:00	10/25/23 08:25

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(920)469-2436

SAMPLE ANALYTE COUNT

Project: 8114
Pace Project No.: 40270076

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40270076001	**OUTFALL 1**	EPA 200.7	SIS	5
		EPA 410.4	TJJ	1
40270076002	**OUTFALL 2**	EPA 200.7	SIS	5
		EPA 410.4	TJJ	1

PASI-G = Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: 8114
Pace Project No.: 40270076

Sample: OUTFALL 1 **Lab ID: 40270076001** Collected: 10/24/23 07:00 Received: 10/25/23 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Aluminum	**3730**	ug/L	500	90.3	1	10/31/23 06:14	10/31/23 16:56	7429-90-5	
Chromium	**9.0J**	ug/L	10.0	2.5	1	10/31/23 06:14	10/31/23 16:56	7440-47-3	
Iron	**4680**	ug/L	100	56.7	1	10/31/23 06:14	10/31/23 16:56	7439-89-6	
Total Hardness by 2340B	**32300**	ug/L	5400	1000	1	10/31/23 06:14	10/31/23 16:56		
Zinc	**88.6**	ug/L	40.0	11.6	1	10/31/23 06:14	10/31/23 16:56	7440-66-6	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**41.0J**	mg/L	50.0	14.7	1	11/07/23 05:33	11/07/23 08:21		

Sample: OUTFALL 2 **Lab ID: 40270076002** Collected: 10/24/23 07:00 Received: 10/25/23 08:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Green Bay								
Aluminum	**2670**	ug/L	500	90.3	1	10/31/23 06:14	10/31/23 16:57	7429-90-5	
Chromium	**4.4J**	ug/L	10.0	2.5	1	10/31/23 06:14	10/31/23 16:57	7440-47-3	
Iron	**2310**	ug/L	100	56.7	1	10/31/23 06:14	10/31/23 16:57	7439-89-6	
Total Hardness by 2340B	**43400**	ug/L	5400	1000	1	10/31/23 06:14	10/31/23 16:57		
Zinc	**14.9J**	ug/L	40.0	11.6	1	10/31/23 06:14	10/31/23 16:57	7440-66-6	
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4 Pace Analytical Services - Green Bay								
Chemical Oxygen Demand	**36.7J**	mg/L	50.0	14.7	1	11/07/23 05:33	11/07/23 08:21		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8114
Pace Project No.: 40270076

QC Batch: 458997
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40270076001, 40270076002

METHOD BLANK: 2636370 Matrix: Water
Associated Lab Samples: 40270076001, 40270076002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<90.3	500	10/31/23 16:26	
Chromium	ug/L	<2.5	10.0	10/31/23 16:26	
Iron	ug/L	<56.7	100	10/31/23 16:26	
Total Hardness by 2340B	ug/L	<1000	5400	10/31/23 16:26	
Zinc	ug/L	<11.6	40.0	10/31/23 16:26	

LABORATORY CONTROL SAMPLE: 2636371

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	10000	9710	97	85-115	
Chromium	ug/L	250	248	99	85-115	
Iron	ug/L	10000	10100	101	85-115	
Total Hardness by 2340B	ug/L		67100			
Zinc	ug/L	250	242	97	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2636372 2636373

Parameter	Units	40270130003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	321J	10000	10000	10700	10500	104	101	70-130	2	20	
Chromium	ug/L	3.8J	250	250	270	272	106	107	70-130	1	20	
Iron	ug/L	1250	10000	10000	13200	12100	119	108	70-130	9	20	
Total Hardness by 2340B	ug/L	518000			587000	574000				2		
Zinc	ug/L	751	250	250	1360	1060	242	123	70-130	25	20	M0,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2636374 2636375

Parameter	Units	40270213001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aluminum	ug/L	<90.3	10000	10000	9940	10100	99	101	70-130	2	20	
Chromium	ug/L	<2.5	250	250	255	257	101	102	70-130	0	20	
Iron	ug/L	211	10000	10000	10500	10600	103	104	70-130	1	20	
Total Hardness by 2340B	ug/L	<1000			68500	69500				2		
Zinc	ug/L	17.5J	250	250	264	266	99	99	70-130	1	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 8114
Pace Project No.: 40270076

QC Batch: 459679
QC Batch Method: EPA 410.4
Analysis Method: EPA 410.4
Analysis Description: 410.4 COD
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40270076001, 40270076002

METHOD BLANK: 2639849 Matrix: Water
Associated Lab Samples: 40270076001, 40270076002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<14.7	50.0	11/07/23 08:20	

LABORATORY CONTROL SAMPLE: 2639850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	519	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2639851 2639852

Parameter	Units	40270049001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	25.0J	526	526	544	554	99	100	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2639853 2639854

Parameter	Units	40270055005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	<15.5	526	526	519	522	99	99	90-110	0	10	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 8114
Pace Project No.: 40270076

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 LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

DL - Adjusted Method Detection Limit.

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 at or above the adjusted LOD.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 8114
Pace Project No.: 40270076

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40270076001	**OUTFALL 1**	EPA 200.7	458997	EPA 200.7	459118
40270076002	**OUTFALL 2**	EPA 200.7	458997	EPA 200.7	459118
40270076001	**OUTFALL 1**	EPA 410.4	459679	EPA 410.4	459705
40270076002	**OUTFALL 2**	EPA 410.4	459679	EPA 410.4	459705

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

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

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here: 40270076

ALL SHADED AREAS are for LAB USE ONLY

Company: REI Engineering	Billing Information: SAA
Address: 4080 N. 20th Ave. Wausau WI	
Report To: Jason Christopherson	Email To: See Below
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: 8114	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: Email: jchristopherson@REIengineering.com	Site/Facility ID #: Purchase Order #: Quote #: Turnaround Date Required:
Collected By (print): Collected By (signature):	Compliance Monitoring? [ ] Yes [ ] No; DW PWS ID #: DW Location Code: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply); Field Filtered (if applicable): [ ] Yes [X] No; Analysis:

Container Preservative Type **: 1 2 1

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

Lab Project Manager:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Total Metals (Al, Cu, Fe, Zn)	COD	Hardness	Lab Profile/Line
Outfall 1		Grab	10/24	7am				3	X	X	X	001
Outfall 2		Grab	10/24	7am				3	X	X	X	002

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: (1)

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

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

Lab Tracking #: 2909544

Samples received via: FEDEX UPS Client Courier Pace Courier

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

Relinquished by/Company: (Signature)	Date/Time: 10/24/23 9:30am	Received by/Company: (Signature) REI	Date/Time: 10/24/23 9:30am	MTJL LAB USE ONLY: Table #: (1)
Relinquished by/Company: (Signature) REI	Date/Time: 10/24/23 1:00pm	Received by/Company: (Signature)	Date/Time:	Acctnum: Template: Prelogin: PM: PB:
Relinquished by/Company: (Signature) Walteo	Date/Time: 10/25/23 0625	Received by/Company: (Signature)	Date/Time: 10/25/23 0625	

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Client Name: RE7

Sample Preservation Receipt Form

Project # 40270076

All containers needing preservation have been checked and noted below. ☐Yes ☐No ☐N/A

Lab Lot# of pH paper. 160727 23 Lab Std #ID of preservation (if pH adjusted):

Initial when completed: SG Date/Time

Pace Lab #	Glass							Plastic						Vials						Jars				General				VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	BP2Z	VG9C	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN 1	GN 2							
001											2	1																	X			X		2.5 / 5
002											2	1																	X			X		2.5 / 5
003																																		2.5 / 5
004																																		2.5 / 5
005																																		2.5 / 5
006																																		2.5 / 5
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009																																		2.5 / 5
010												10/25/23																						2.5 / 5
011																																		2.5 / 5
012																																		2.5 / 5
013																																		2.5 / 5
014																																		2.5 / 5
015																																		2.5 / 5
016																																		2.5 / 5
017																																		2.5 / 5
018																																		2.5 / 5
019																																		2.5 / 5
020																																		2.5 / 5

Exceptions to preservation check. VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other_____ Headspace in VOA Vials (>6mm) ☐Yes ☐No ☐N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9C	40 mL clear ascorbic w/ HCl	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG5U	100 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH + Zn	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN 1	
						GN 2	

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40270076

40270076

Client Name: REI

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☑ Waltco
☐ Client ☐ Pace Other: _____

Tracking #: 3720873-1

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

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

Thermometer Used SR-139 **Type of Ice:** (Wet) Blue Dry None ☐ Meltwater Only

Cooler Temperature Uncorr: 1.0 /Corr: 1.0

Temp Blank Present: ☑ yes ☐ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:
Date: 10/25/23 Initials: SG

Labeled By Initials: GL

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- DI VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
Correct Type: Pace Green Bay, Pace IR, (Non-Pace)		
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logi