APPENDIX K

Connell IDW Disposal Documentation

K1: IDW Soil, Water and Carbon Analytical Reports

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

15 August 2013

Jody Barbeau
Natural Resource Technology Inc
234 W. Florida Street, Fifth Floor
Milwaukee, WI 53204

RE: Former Wabash Alloys (Connell) - Oak Creek, WI

Enclosed are the analytical results for the samples received by the laboratory on 08/08/2013.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Kari-Ann Killian For Jessica Esser
Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2014
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2014
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2014
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2014
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/15/2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Carbon Drum	A133208-01	Other	08/06/2013	08/08/2013

Due to the sample matrix, sample A133208-01 was prepared at an initial dilution for the PCBs by method 8082 analysis. The reporting limits have been raised accordingly.

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/15/2013

Carbon Drum

A133208-01 (Other)

Date Sampled
08/06/2013 15:25

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082							**Preparation Batch:A308038**		
PCB-1016	ND	0.016	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
PCB-1221	ND	0.014	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
PCB-1232	ND	0.015	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
PCB-1242	ND	0.0097	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
PCB-1248	ND	0.012	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
PCB-1254	ND	0.0097	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
PCB-1260	ND	0.0053	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
Total PCBs	ND	0.0053	0.11	mg/kg dry	1	08/08/2013	08/08/2013 19:39	EPA 8082A	
Surrogate: Decachlorobiphenyl			*59.5 %*	*59.1-127*		*08/08/2013*	*08/08/2013 19:39*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*64.0 %*	*77.4-119*		*08/08/2013*	*08/08/2013 19:39*	*EPA 8082A*	*S*
Classical Chemistry Parameters							**Preparation Batch:A308039**		
% Solids	**90.6**		0.00	% by Weight	1	08/08/2013	08/09/2013 09:00	SM 2540B	

Pace Analytical

EPA 8260							**Preparation Batch:TCLP 3059**		
Surrogate: 4-Bromofluorobenzene (S)			*87 %*	*43-137*		*08/12/2013*	*08/13/2013 11:07*	*EPA 8260*	
Benzene	ND	5.0	10.0	ug/L	10	08/12/2013	08/13/2013 11:07	EPA 8260	
Surrogate: Dibromofluoromethane (S)			*101 %*	*70-130*		*08/12/2013*	*08/13/2013 11:07*	*EPA 8260*	
Surrogate: Toluene-d8 (S)			*100 %*	*55-137*		*08/12/2013*	*08/13/2013 11:07*	*EPA 8260*	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/15/2013

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A308038 - EPA 3570										
Blank (A308038-BLK1)				Prepared: 08/08/2013 Analyzed: 08/08/2013 16:56						
PCB-1016	ND	0.050	mg/kg wet							
PCB-1221	ND	0.050	mg/kg wet							
PCB-1232	ND	0.050	mg/kg wet							
PCB-1242	ND	0.050	mg/kg wet							
PCB-1248	ND	0.050	mg/kg wet							
PCB-1254	ND	0.050	mg/kg wet							
PCB-1260	ND	0.050	mg/kg wet							
Total PCBs	ND	0.050	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.135*		*mg/kg wet*	*0.1584*		*85.3*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.112*		*mg/kg wet*	*0.1200*		*93.4*	*77.4-119*			
LCS (A308038-BS1)				Prepared: 08/08/2013 Analyzed: 08/08/2013 16:29						
PCB-1260	1.05	0.050	mg/kg wet	1.000		105	73.1-132			
Surrogate: Decachlorobiphenyl	*0.139*		*mg/kg wet*	*0.1584*		*87.5*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.112*		*mg/kg wet*	*0.1200*		*93.7*	*77.4-119*			
Matrix Spike (A308038-MS1)	**Source: A133207-01**			Prepared: 08/08/2013 Analyzed: 08/08/2013 17:51						
PCB-1260	1.27	0.059	mg/kg dry	1.173	ND	109	62.1-148			
Surrogate: Decachlorobiphenyl	*0.166*		*mg/kg dry*	*0.1858*		*89.2*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.140*		*mg/kg dry*	*0.1407*		*99.7*	*77.4-119*			
Matrix Spike Dup (A308038-MSD1)	**Source: A133207-01**			Prepared: 08/08/2013 Analyzed: 08/08/2013 18:18						
PCB-1260	1.19	0.059	mg/kg dry	1.173	ND	101	62.1-148	6.69	20	
Surrogate: Decachlorobiphenyl	*0.143*		*mg/kg dry*	*0.1858*		*77.2*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.137*		*mg/kg dry*	*0.1407*		*97.4*	*77.4-119*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/15/2013

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A308039 - % Solids										
Duplicate (A308039-DUP1)	**Source: A133207-01**		Prepared: 08/08/2013 Analyzed: 08/09/2013 09:00							
% Solids	85.7	0.00	% by Weight		85.3			0.466	20	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/15/2013

Notes and Definitions

S	Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

COC# 20150806 01

Lab Work Order #: A133208

Project Number: 2095
Project Name: Former Wabash Alloys
Project Location: Oak Creek, WI
Turn Around (circle one): Normal Rush
If Rush, Report Due Date:
Sampled By (Print): Ricky J. Guenther Jr.

Analyses Requested / Preservation Codes

Mail Report To: Jody Barbeau
Company: NRT
Address: 234 W. Florida St. 5th Floor
Milwaukee, WI
E-mail Address: jbarbeau@naturalrt.com
Invoice To: Donna D.
Company: NRT
Address: Same

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	TCLP Benzene	Total RCRA @ 08-08-13	Comments	Lab ID	Lab Receipt Time
Carbon Drum ①	08-06-13 ~~2010~~	1525	Carbon	3	X	X		01	
① collection date and time added per client. jp 08-08-13									

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By: [signature] Date: 8/7/13 Time:
Relinquished By: Date: Time:

Received By: Monica Conde Date: 080813 Time: 1100
Received By: Date: Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via: Dunham's

Receipt Temp: 0.7°C SIN 130231403
Temp Blank Y (N) Exp. 04-18-15

Download this form at www.eccsmobilelab.com.

COPY PINK - SAMPLER/SUBMITTER Rev. 11/08

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

August 14, 2013

Jessica Esser
ECCS
2525 Advance Road
Madison, WI 53718

RE: Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on August 09, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Dan Milewsky

dan.milewsky@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4082620001	**A133208-01**	Water	08/06/13 15:25	08/09/13 09:45

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

SAMPLE ANALYTE COUNT

Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4082620001	**A133208-01**	EPA 8260	HNW	4

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

ANALYTICAL RESULTS

Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

Sample: A133208-01 **Lab ID: 4082620001** Collected: 08/06/13 15:25 Received: 08/09/13 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Preparation Method: EPA 1311								
Benzene	**<5.0**	ug/L	10.0	5.0	10	08/12/13 00:00	08/13/13 11:07	71-43-2	
Surrogates									
Toluene-d8 (S)	100	%	55-137		10	08/12/13 00:00	08/13/13 11:07	2037-26-5	
4-Bromofluorobenzene (S)	87	%	43-137		10	08/12/13 00:00	08/13/13 11:07	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		10	08/12/13 00:00	08/13/13 11:07	1868-53-7	

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

QUALITY CONTROL DATA

Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

QC Batch: MSV/20820 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 4082620001

METHOD BLANK: 837747 Matrix: Water
Associated Lab Samples: 4082620001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	<0.50	1.0	08/13/13 08:52	
4-Bromofluorobenzene (S)	%	87	43-137	08/13/13 08:52	
Dibromofluoromethane (S)	%	97	70-130	08/13/13 08:52	
Toluene-d8 (S)	%	101	55-137	08/13/13 08:52	

LABORATORY CONTROL SAMPLE & LCSD: 837748 837749

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/L	50	51.6	51.4	103	103	70-137	0	20	
4-Bromofluorobenzene (S)	%				100	101	43-137			
Dibromofluoromethane (S)	%				98	98	70-130			
Toluene-d8 (S)	%				102	101	55-137			

MATRIX SPIKE SAMPLE: 838050

Parameter	Units	4082413005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	<5.0	500	496	99	70-137	
4-Bromofluorobenzene (S)	%				99	43-137	
Dibromofluoromethane (S)	%				100	70-130	
Toluene-d8 (S)	%				101	55-137	

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A133208 FORMER WABASH ALLOYS
Pace Project No.: 4082620

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4082620001	**A133208-01**	EPA 1311	TCLP/3059	EPA 8260	MSV/20820

SUBCONTRACT ORDER

ECCS

A133208 1005 4082620

SENDING LABORATORY:

ECCS
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: ____ Normal

Project Name: Former Wabash Alloys (Connell) - Oak Creek, WI ___X___ Rush Due 08-15-13

			Laboratory ID	Comments
Lab ID: A133208-01	**Soil**	**Sampled: 08/06/2013 15:25**	001	3-4oz ag
1311 TCLP Extraction				Analyze for Benzene

Containers Supplied:

03_4oz WM Amber Glass 03_4oz WM Amber Glass 03_4oz WM Amber Glass

Jessica Esser 08-08-13 1600
Released By Date Received By Date

Dunham 8/9/13 0945 [signature] 8/9/13 0945
Released By Date Received By Date

Pace Analytical Services, I
1241 Bellevue Street, Suit
Green Bay, WI 54

Pace Analytical™

Sample Condition Upon Receipt

Client Name: ECCS Project # 4082620

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other Donhaur

Tracking #: 575997

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 NA Type of Ice: ☑ Wet Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: /Corr: 2.01 Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☑ yes ☐ no

Person examining contents:
Date: 8/9/13
Initials: BF

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
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 ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☑Yes ☐No ☐N/A	7. Due 8-15. 8/9/13 BF
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
-Pace IR Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	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: S		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
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: CH for DM Date: 8/9/13

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

03 October 2012

Julie Zimdars
Natural Resource Technology Inc
23713 West Paul Road, Unit D
Pewaukee, WI 53072

RE: Former Wabash Alloys (Connell) - Oak Creek, WI

Enclosed are the analytical results for the samples received by the laboratory on 09/12/2012.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser

Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2013
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2013
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2013
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2013
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Yard Composite	A123706-01	Soil	09/11/2012	09/12/2012
Transformer Comp	A123706-02	Soil	09/11/2012	09/12/2012

The laboratory control sample (LCS) recovery indicates a potential high bias for toxaphene for samples A123706-01 and A123706-02. Samples were less than the reporting limit for this analyte so no further action is required.

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Yard Composite

A123706-01 (Soil)

Date Sampled
09/11/2012 10:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Organochlorine Pesticides by EPA Method 8081A						**Preparation Batch:A209059**			
gamma-BHC (Lindane)	ND		0.040	mg/L	1	09/20/2012	09/21/2012 00:31	EPA 8081A	
Heptachlor	ND		0.00080	mg/L	1	09/20/2012	09/21/2012 00:31	EPA 8081A	
Heptachlor epoxide	ND		0.0010	mg/L	1	09/20/2012	09/21/2012 00:31	EPA 8081A	
gamma-Chlordane	ND		0.0030	mg/L	1	09/20/2012	09/21/2012 00:31	EPA 8081A	
alpha-Chlordane	ND		0.0030	mg/L	1	09/20/2012	09/21/2012 00:31	EPA 8081A	
Endrin	ND		0.0020	mg/L	1	09/20/2012	09/21/2012 00:31	EPA 8081A	
Methoxychlor	ND		1.0	mg/L	1	09/20/2012	09/21/2012 00:31	EPA 8081A	
Chlordane (tech)	ND		0.0030	mg/L	1	09/20/2012	09/20/2012 23:30	EPA 8081A	
Toxaphene	ND		0.050	mg/L	1	09/20/2012	09/20/2012 23:30	EPA 8081A	
Surrogate: Decachlorobiphenyl			*124 %*	*42.1-184*		*09/20/2012*	*09/21/2012 00:31*	*EPA 8081A*	
Surrogate: Tetrachloro-meta-xylene			*128 %*	*41.8-186*		*09/20/2012*	*09/21/2012 00:31*	*EPA 8081A*	
Acid Herbicides by High Performance Liquid Chromatography						**Preparation Batch:A209065**			
2,4-D	ND		0.10	mg/L	1	09/25/2012	09/25/2012 21:04	EPA 8321	
2,4,5-TP	ND		0.10	mg/L	1	09/25/2012	09/25/2012 21:04	EPA 8321	
Surrogate: DCAA			*103 %*	*74.6-111*		*09/25/2012*	*09/25/2012 21:04*	*EPA 8321*	
Pace Analytical									
ASTM D2974-87						**Preparation Batch:109747**			
Percent Moisture	**9.9**	0.10	0.10	% dry	1	09/17/2012	09/17/2012 11:31	ASTM D2974-87	
EPA 1010						**Preparation Batch:109590**			
Flashpoint	>210			deg F	1	09/14/2012	09/14/2012 15:29	EPA 1010	
EPA 420.1						**Preparation Batch:224139**			
Phenolics, Total Recoverable	**20.9**	7.1	50.0	ug/L	1	09/20/2012	09/20/2012 14:32	EPA 420.1	J
EPA 6010						**Preparation Batch:110019**			
Antimony	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Arsenic	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Barium	ND	1.2	2.5	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Beryllium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Cadmium	**0.0050**	0.0025	0.0050	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Chromium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Copper	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Lead	ND	0.015	0.038	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Nickel	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Selenium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Silver	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Yard Composite

A123706-01 (Soil)

Date Sampled
09/11/2012 10:00

Pace Analytical

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
EPA 6010						**Preparation Batch:110019**			
Thallium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Vanadium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
Zinc	**0.64**	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:51	EPA 6010	
EPA 7470						**Preparation Batch:109937**			
Mercury	ND	0.10	0.20	ug/L	1	09/18/2012	09/19/2012 10:52	EPA 7470	
EPA 8260						**Preparation Batch:110146**			
1,1-Dichloroethene	ND	5.7	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
1,2-Dichloroethane	ND	3.6	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
2-Butanone (MEK)	ND	43.0	50.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
Benzene	ND	4.1	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
Carbon tetrachloride	ND	4.9	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
Chlorobenzene	ND	4.1	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
Chloroform	**4.1**	3.7	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	J
Tetrachloroethene	ND	4.5	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
Trichloroethene	ND	4.8	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
Vinyl chloride	ND	1.8	10.0	ug/L	10	09/19/2012	09/24/2012 09:37	EPA 8260	
Surrogate: 4-Bromofluorobenzene (S)			*98 %*	*43-137*		*09/19/2012*	*09/24/2012 09:37*	*EPA 8260*	
Surrogate: Dibromofluoromethane (S)			*98 %*	*70-130*		*09/19/2012*	*09/24/2012 09:37*	*EPA 8260*	
Surrogate: Toluene-d8 (S)			*107 %*	*55-137*		*09/19/2012*	*09/24/2012 09:37*	*EPA 8260*	
EPA 8270						**Preparation Batch:110216**			
1,4-Dichlorobenzene	ND	215	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	D3
2,4,5-Trichlorophenol	ND	249	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
2,4,6-Trichlorophenol	ND	267	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
2,4-Dinitrotoluene	ND	201	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
2-Methylphenol(o-Cresol)	ND	243	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
3&4-Methylphenol(m&p Cresol)	ND	192	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
Hexachloro-1,3-butadiene	ND	165	2500	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
Hexachlorobenzene	ND	278	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
Hexachloroethane	ND	146	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
Nitrobenzene	ND	341	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
Pentachlorophenol	ND	269	2500	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
Pyridine	ND	358	1250	ug/L	25	09/20/2012	09/21/2012 18:49	EPA 8270	
Surrogate: 2,4,6-Tribromophenol (S)			*0 %*	*38-130*		*09/20/2012*	*09/21/2012 18:49*	*EPA 8270*	*S4*
Surrogate: 2-Fluorobiphenyl (S)			*0 %*	*51-130*		*09/20/2012*	*09/21/2012 18:49*	*EPA 8270*	*S4*
Surrogate: 2-Fluorophenol (S)			*0 %*	*24-130*		*09/20/2012*	*09/21/2012 18:49*	*EPA 8270*	*S4*
Surrogate: Nitrobenzene-d5 (S)			*0 %*	*41-130*		*09/20/2012*	*09/21/2012 18:49*	*EPA 8270*	*S4*
Surrogate: Phenol-d6 (S)			*0 %*	*13-130*		*09/20/2012*	*09/21/2012 18:49*	*EPA 8270*	*S4*
Surrogate: Terphenyl-d14 (S)			*0 %*	*38-130*		*09/20/2012*	*09/21/2012 18:49*	*EPA 8270*	*S4*

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Yard Composite

A123706-01 (Soil)

Date Sampled
09/11/2012 10:00

Pace Analytical

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
EPA 9045						**Preparation Batch:109956**			
pH at 25 Degrees C	**8.3**	0.010	0.10	Std. Units	1	09/18/2012	09/18/2012 21:00	EPA 9045	H6
EPA 9095						**Preparation Batch:109764**			
Free Liquids	Pass			no units	1	09/17/2012	09/17/2012 13:25	EPA 9095	
SM 2710F						**Preparation Batch:109808**			
Specific Gravity	**1.6**			no units	1	09/17/2012	09/17/2012 16:00	SM 2710F	
SW-846 7.3.3.2						**Preparation Batch:261982**			
Cyanide, Reactive	ND	0.0052	0.025	mg/kg dry	1	10/01/2012	10/01/2012 15:55	SW-846 7.3.3.2	
SW-846 7.3.4.2						**Preparation Batch:261986**			
Sulfide, Reactive	ND	12.9	100	mg/kg dry	1	10/01/2012	10/01/2012 15:00	SW-846 7.3.4.2	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Transformer Comp

A123706-02 (Soil)

Date Sampled
09/11/2012 10:30

ECCS

Organochlorine Pesticides by EPA Method 8081A — **Preparation Batch:A209059**

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
gamma-BHC (Lindane)	ND		0.040	mg/L	1	09/20/2012	09/21/2012 01:06	EPA 8081A	
Heptachlor	ND		0.00080	mg/L	1	09/20/2012	09/21/2012 01:06	EPA 8081A	
Heptachlor epoxide	ND		0.0010	mg/L	1	09/20/2012	09/21/2012 01:06	EPA 8081A	
gamma-Chlordane	ND		0.0030	mg/L	1	09/20/2012	09/21/2012 01:06	EPA 8081A	
alpha-Chlordane	ND		0.0030	mg/L	1	09/20/2012	09/21/2012 01:06	EPA 8081A	
Endrin	ND		0.0020	mg/L	1	09/20/2012	09/21/2012 01:06	EPA 8081A	
Methoxychlor	ND		1.0	mg/L	1	09/20/2012	09/21/2012 01:06	EPA 8081A	
Chlordane (tech)	ND		0.0030	mg/L	1	09/20/2012	09/21/2012 00:02	EPA 8081A	
Toxaphene	ND		0.050	mg/L	1	09/20/2012	09/21/2012 00:02	EPA 8081A	
Surrogate: Decachlorobiphenyl			*123 %*	*42.1-184*		*09/20/2012*	*09/21/2012 01:06*	*EPA 8081A*	
Surrogate: Tetrachloro-meta-xylene			*145 %*	*41.8-186*		*09/20/2012*	*09/21/2012 01:06*	*EPA 8081A*	

Acid Herbicides by High Performance Liquid Chromatography — **Preparation Batch:A209065**

2,4-D	ND		0.10	mg/L	1	09/25/2012	09/25/2012 22:09	EPA 8321	
2,4,5-TP	ND		0.10	mg/L	1	09/25/2012	09/25/2012 22:09	EPA 8321	
Surrogate: DCAA			*105 %*	*74.6-111*		*09/25/2012*	*09/25/2012 22:09*	*EPA 8321*	

Pace Analytical

ASTM D2974-87 — **Preparation Batch:109747**

Percent Moisture	**11.2**	0.10	0.10	% dry	1	09/17/2012	09/17/2012 11:31	ASTM D2974-87	

EPA 1010 — **Preparation Batch:109590**

Flashpoint	>210			deg F	1	09/14/2012	09/14/2012 16:04	EPA 1010	

EPA 420.1 — **Preparation Batch:224139**

Phenolics, Total Recoverable	**11.3**	7.1	50.0	ug/L	1	09/20/2012	09/20/2012 14:32	EPA 420.1	J

EPA 6010 — **Preparation Batch:110019**

Antimony	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Arsenic	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Barium	ND	1.2	2.5	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Beryllium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Cadmium	**0.0064**	0.0025	0.0050	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Chromium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Copper	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Lead	ND	0.015	0.038	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Nickel	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Selenium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Silver	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Transformer Comp

A123706-02 (Soil)

Date Sampled
09/11/2012 10:30

Pace Analytical

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
EPA 6010						**Preparation Batch:110019**			
Thallium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Vanadium	ND	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	
Zinc	**0.42**	0.12	0.25	mg/L	1	09/18/2012	09/19/2012 11:53	EPA 6010	1q
EPA 7470						**Preparation Batch:109937**			
Mercury	ND	0.10	0.20	ug/L	1	09/18/2012	09/19/2012 10:54	EPA 7470	
EPA 8260						**Preparation Batch:110146**			
1,1-Dichloroethene	ND	5.7	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
1,2-Dichloroethane	ND	3.6	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
2-Butanone (MEK)	ND	43.0	50.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Benzene	ND	4.1	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Carbon tetrachloride	ND	4.9	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Chlorobenzene	ND	4.1	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Chloroform	ND	3.7	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Tetrachloroethene	ND	4.5	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Trichloroethene	ND	4.8	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Vinyl chloride	ND	1.8	10.0	ug/L	10	09/19/2012	09/24/2012 10:00	EPA 8260	
Surrogate: 4-Bromofluorobenzene (S)			*97 %*	*43-137*		*09/19/2012*	*09/24/2012 10:00*	*EPA 8260*	
Surrogate: Dibromofluoromethane (S)			*100 %*	*70-130*		*09/19/2012*	*09/24/2012 10:00*	*EPA 8260*	
Surrogate: Toluene-d8 (S)			*107 %*	*55-137*		*09/19/2012*	*09/24/2012 10:00*	*EPA 8260*	
EPA 8270						**Preparation Batch:110216**			
1,4-Dichlorobenzene	ND	8.6	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
2,4,5-Trichlorophenol	ND	10	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
2,4,6-Trichlorophenol	ND	10.7	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
2,4-Dinitrotoluene	ND	8.0	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
2-Methylphenol(o-Cresol)	ND	9.7	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
3&4-Methylphenol(m&p Cresol)	ND	7.7	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
Hexachloro-1,3-butadiene	ND	6.6	100	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
Hexachlorobenzene	ND	11.1	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
Hexachloroethane	ND	5.8	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
Nitrobenzene	ND	13.7	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
Pentachlorophenol	ND	10.8	100	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
Pyridine	ND	14.3	50.0	ug/L	1	09/20/2012	09/21/2012 15:32	EPA 8270	
Surrogate: 2,4,6-Tribromophenol (S)			*64 %*	*38-130*		*09/20/2012*	*09/21/2012 15:32*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl (S)			*73 %*	*51-130*		*09/20/2012*	*09/21/2012 15:32*	*EPA 8270*	
Surrogate: 2-Fluorophenol (S)			*38 %*	*24-130*		*09/20/2012*	*09/21/2012 15:32*	*EPA 8270*	
Surrogate: Nitrobenzene-d5 (S)			*66 %*	*41-130*		*09/20/2012*	*09/21/2012 15:32*	*EPA 8270*	
Surrogate: Phenol-d6 (S)			*26 %*	*13-130*		*09/20/2012*	*09/21/2012 15:32*	*EPA 8270*	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Transformer Comp

A123706-02 (Soil)

Date Sampled
09/11/2012 10:30

Pace Analytical

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
EPA 8270							**Preparation Batch:110216**		
Surrogate: Terphenyl-d14 (S)			*55 %*	*38-130*		*09/20/2012*	*09/21/2012 15:32*	*EPA 8270*	
EPA 9045							**Preparation Batch:109956**		
pH at 25 Degrees C	**8.0**	0.010	0.10	Std. Units	1	09/18/2012	09/18/2012 21:00	EPA 9045	H6
EPA 9095							**Preparation Batch:109764**		
Free Liquids	Pass			no units	1	09/17/2012	09/17/2012 14:04	EPA 9095	
SM 2710F							**Preparation Batch:109808**		
Specific Gravity	**1.9**			no units	1	09/17/2012	09/17/2012 16:07	SM 2710F	
SW-846 7.3.3.2							**Preparation Batch:261007**		
Cyanide, Reactive	**0.017**	0.0052	0.025	mg/kg dry	1	09/26/2012	09/26/2012 19:29	SW-846 7.3.3.2	B, J
SW-846 7.3.4.2							**Preparation Batch:261414**		
Sulfide, Reactive	**30.0**	12.9	100	mg/kg dry	1	09/27/2012	09/27/2012 16:00	SW-846 7.3.4.2	J

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Organochlorine Pesticides by EPA Method 8081A - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A209059 - EPA 3511										
Blank (A209059-BLK1)				Prepared: 09/20/2012 Analyzed: 09/20/2012 22:11						
gamma-BHC (Lindane)	ND	0.040	mg/L							
gamma-BHC (Lindane) [2C]	ND	0.040	mg/L							
Heptachlor	ND	0.00080	mg/L							
Heptachlor [2C]	ND	0.00080	mg/L							
Heptachlor epoxide	ND	0.0010	mg/L							
Heptachlor epoxide [2C]	ND	0.0010	mg/L							
gamma-Chlordane	ND	0.0030	mg/L							
gamma-Chlordane [2C]	ND	0.0030	mg/L							
alpha-Chlordane	ND	0.0030	mg/L							
alpha-Chlordane [2C]	ND	0.0030	mg/L							
Endrin	ND	0.0020	mg/L							
Endrin [2C]	ND	0.0020	mg/L							
Methoxychlor	ND	1.0	mg/L							
Methoxychlor [2C]	ND	1.0	mg/L							
Chlordane (tech)	ND	0.0030	mg/L							
Toxaphene	ND	0.050	mg/L							
Surrogate: Decachlorobiphenyl	*0.0180*		*mg/L*	*0.01500*		*120*	*42.1-184*			
Surrogate: Decachlorobiphenyl [2C]	*0.0169*		*mg/L*	*0.01500*		*113*	*43.7-182*			
Surrogate: Tetrachloro-meta-xylene	*0.0200*		*mg/L*	*0.01500*		*133*	*41.8-186*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.0186*		*mg/L*	*0.01500*		*124*	*47.2-180*			
LCS (A209059-BS1)				Prepared: 09/20/2012 Analyzed: 09/20/2012 22:46						
gamma-BHC (Lindane)	0.00502	0.040	mg/L	0.004000		125	60-140			
gamma-BHC (Lindane) [2C]	0.00492	0.040	mg/L	0.004000		123	60-140			
Heptachlor	0.00483	0.00080	mg/L	0.004000		121	60-140			
Heptachlor [2C]	0.00490	0.00080	mg/L	0.004000		122	60-140			
Heptachlor epoxide	0.00494	0.0010	mg/L	0.004000		124	60-140			
Heptachlor epoxide [2C]	0.00486	0.0010	mg/L	0.004000		122	60-140			
gamma-Chlordane	0.00489	0.0030	mg/L	0.004000		122	60-140			
gamma-Chlordane [2C]	0.00473	0.0030	mg/L	0.004000		118	60-140			
alpha-Chlordane	0.00503	0.0030	mg/L	0.004000		126	60-140			
Endrin	0.0108	0.0020	mg/L	0.008000		135	60-140			
Endrin [2C]	0.0106	0.0020	mg/L	0.008000		132	60-140			
Methoxychlor	0.0501	1.0	mg/L	0.04000		125	60-140			
Methoxychlor [2C]	0.0469	1.0	mg/L	0.04000		117	60-140			
Surrogate: Decachlorobiphenyl	*0.0178*		*mg/L*	*0.01500*		*118*	*42.1-184*			
Surrogate: Decachlorobiphenyl [2C]	*0.0166*		*mg/L*	*0.01500*		*111*	*43.7-182*			
Surrogate: Tetrachloro-meta-xylene	*0.0182*		*mg/L*	*0.01500*		*121*	*41.8-186*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.0183*		*mg/L*	*0.01500*		*122*	*47.2-180*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Organochlorine Pesticides by EPA Method 8081A - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A209059 - EPA 3511										
LCS (A209059-BS2)				Prepared: 09/20/2012 Analyzed: 09/21/2012 01:40						
Toxaphene	0.371	0.050	mg/L	0.2500		148	60-140			
Surrogate: Decachlorobiphenyl	*0.0188*		*mg/L*	*0.01500*		*126*	*42.1-184*			
Surrogate: Tetrachloro-meta-xylene	*0.0200*		*mg/L*	*0.01500*		*134*	*41.8-186*			
LCS (A209059-BS3)				Prepared: 09/20/2012 Analyzed: 09/21/2012 04:00						
Chlordane (tech)	0.0689	0.0030	mg/L	0.05000		138	60-140			
Surrogate: Decachlorobiphenyl	*0.0183*		*mg/L*	*0.01500*		*122*	*42.1-184*			
Surrogate: Tetrachloro-meta-xylene	*0.0194*		*mg/L*	*0.01500*		*129*	*41.8-186*			
Matrix Spike (A209059-MS1)	**Source: A123706-01**			Prepared: 09/20/2012 Analyzed: 09/20/2012 23:21						
gamma-BHC (Lindane)	0.00498	0.040	mg/L	0.004000	ND	124	60-140			
gamma-BHC (Lindane) [2C]	0.00511	0.040	mg/L	0.004000	ND	128	60-140			
Heptachlor	0.00483	0.00080	mg/L	0.004000	ND	121	60-140			
Heptachlor [2C]	0.00553	0.00080	mg/L	0.004000	0.000790	119	60-140			
Heptachlor epoxide	0.00497	0.0010	mg/L	0.004000	ND	124	60-140			
Heptachlor epoxide [2C]	0.00531	0.0010	mg/L	0.004000	ND	133	60-140			
gamma-Chlordane	0.00488	0.0030	mg/L	0.004000	ND	122	60-140			
gamma-Chlordane [2C]	0.00489	0.0030	mg/L	0.004000	ND	122	60-140			
alpha-Chlordane	0.00505	0.0030	mg/L	0.004000	ND	126	60-140			
Endrin	0.0109	0.0020	mg/L	0.008000	ND	137	60-140			
Endrin [2C]	0.0112	0.0020	mg/L	0.008000	ND	141	60-140			M
Methoxychlor	0.0501	1.0	mg/L	0.04000	ND	125	60-140			
Methoxychlor [2C]	0.0507	1.0	mg/L	0.04000	ND	127	60-140			
Surrogate: Decachlorobiphenyl	*0.0177*		*mg/L*	*0.01500*		*118*	*42.1-184*			
Surrogate: Decachlorobiphenyl [2C]	*0.0177*		*mg/L*	*0.01500*		*118*	*43.7-182*			
Surrogate: Tetrachloro-meta-xylene	*0.0174*		*mg/L*	*0.01500*		*116*	*41.8-186*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.0189*		*mg/L*	*0.01500*		*126*	*47.2-180*			
Matrix Spike (A209059-MS2)	**Source: A123706-01**			Prepared: 09/20/2012 Analyzed: 09/21/2012 02:15						
Toxaphene	0.369	0.050	mg/L	0.2500	ND	147	60-140			M
Surrogate: Decachlorobiphenyl	*0.0185*		*mg/L*	*0.01500*		*123*	*42.1-184*			
Surrogate: Tetrachloro-meta-xylene	*0.0200*		*mg/L*	*0.01500*		*133*	*41.8-186*			
Matrix Spike (A209059-MS3)	**Source: A123706-01**			Prepared: 09/20/2012 Analyzed: 09/21/2012 04:35						
Chlordane (tech)	0.0721	0.0030	mg/L	0.05000	ND	144	60-140			M
Surrogate: Decachlorobiphenyl	*0.0189*		*mg/L*	*0.01500*		*126*	*42.1-184*			
Surrogate: Tetrachloro-meta-xylene	*0.0202*		*mg/L*	*0.01500*		*135*	*41.8-186*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Organochlorine Pesticides by EPA Method 8081A - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A209059 - EPA 3511										
Matrix Spike Dup (A209059-MSD1)	**Source: A123706-01**		Prepared: 09/20/2012 Analyzed: 09/20/2012 23:56							
gamma-BHC (Lindane)	0.00510	0.040	mg/L	0.004000	ND	128	60-140	2.52	20	
gamma-BHC (Lindane) [2C]	0.00511	0.040	mg/L	0.004000	ND	128	60-140	0.0856	20	
Heptachlor	0.00490	0.00080	mg/L	0.004000	ND	122	60-140	1.29	20	
Heptachlor [2C]	0.00551	0.00080	mg/L	0.004000	0.000790	118	60-140	0.508	20	
Heptachlor epoxide	0.00502	0.0010	mg/L	0.004000	ND	125	60-140	0.877	20	
Heptachlor epoxide [2C]	0.00530	0.0010	mg/L	0.004000	ND	133	60-140	0.229	20	
gamma-Chlordane	0.00492	0.0030	mg/L	0.004000	ND	123	60-140	0.834	20	
gamma-Chlordane [2C]	0.00493	0.0030	mg/L	0.004000	ND	123	60-140	0.747	20	
alpha-Chlordane	0.00508	0.0030	mg/L	0.004000	ND	127	60-140	0.478	20	
Endrin	0.0109	0.0020	mg/L	0.008000	ND	137	60-140	0.0293	20	
Endrin [2C]	0.0112	0.0020	mg/L	0.008000	ND	140	60-140	0.264	20	
Methoxychlor	0.0503	1.0	mg/L	0.04000	ND	126	60-140	0.443	20	
Methoxychlor [2C]	0.0509	1.0	mg/L	0.04000	ND	127	60-140	0.426	20	
Surrogate: Decachlorobiphenyl	*0.0177*		*mg/L*	*0.01500*		*118*	*42.1-184*			
Surrogate: Decachlorobiphenyl [2C]	*0.0181*		*mg/L*	*0.01500*		*120*	*43.7-182*			
Surrogate: Tetrachloro-meta-xylene	*0.0177*		*mg/L*	*0.01500*		*118*	*41.8-186*			
Surrogate: Tetrachloro-meta-xylene [2C]	*0.0190*		*mg/L*	*0.01500*		*127*	*47.2-180*			
Matrix Spike Dup (A209059-MSD2)	**Source: A123706-01**		Prepared: 09/20/2012 Analyzed: 09/21/2012 02:50							
Toxaphene	0.367	0.050	mg/L	0.2500	ND	147	60-140	0.487	20	M
Surrogate: Decachlorobiphenyl	*0.0182*		*mg/L*	*0.01500*		*121*	*42.1-184*			
Surrogate: Tetrachloro-meta-xylene	*0.0197*		*mg/L*	*0.01500*		*131*	*41.8-186*			
Matrix Spike Dup (A209059-MSD3)	**Source: A123706-01**		Prepared: 09/20/2012 Analyzed: 09/21/2012 05:10							
Chlordane (tech)	0.0717	0.0030	mg/L	0.05000	ND	143	60-140	0.513	20	M
Surrogate: Decachlorobiphenyl	*0.0194*		*mg/L*	*0.01500*		*129*	*42.1-184*			
Surrogate: Tetrachloro-meta-xylene	*0.0198*		*mg/L*	*0.01500*		*132*	*41.8-186*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Acid Herbicides by High Performance Liquid Chromatography - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A209065 - EPA 3580A										
Blank (A209065-BLK1)				Prepared: 09/25/2012 Analyzed: 09/25/2012 15:36						
2,4-D	ND	0.10	mg/L							
2,4-D [2C]	ND	0.10	mg/L							
2,4,5-TP	ND	0.10	mg/L							
2,4,5-TP [2C]	ND	0.10	mg/L							
Surrogate: DCAA	*4.80*		*mg/L*	*5.000*		*96.0*	*74.6-111*			
Surrogate: DCAA [2C]	*4.16*		*mg/L*	*5.000*		*83.1*	*74.6-111*			
LCS (A209065-BS1)				Prepared: 09/25/2012 Analyzed: 09/25/2012 16:41						
2,4-D	0.479	0.10	mg/L	0.5000		95.8	69.7-121			
2,4-D [2C]	0.470	0.10	mg/L	0.5000		94.0	69.7-121			
2,4,5-TP	0.468	0.10	mg/L	0.5000		93.5	68.9-108			
2,4,5-TP [2C]	0.456	0.10	mg/L	0.5000		91.3	68.9-108			
Surrogate: DCAA	*4.88*		*mg/L*	*5.000*		*97.5*	*74.6-111*			
Surrogate: DCAA [2C]	*4.79*		*mg/L*	*5.000*		*95.8*	*74.6-111*			
Matrix Spike (A209065-MS1)	**Source: A123706-02**			Prepared: 09/25/2012 Analyzed: 09/25/2012 23:15						
2,4-D	0.524	0.10	mg/L	0.5000	ND	105	60-120			
2,4-D [2C]	0.375	0.10	mg/L	0.5000	ND	75.0	60-120			
2,4,5-TP	0.513	0.10	mg/L	0.5000	ND	103	60-120			
2,4,5-TP [2C]	0.421	0.10	mg/L	0.5000	ND	84.1	60-120			
Surrogate: DCAA	*5.43*		*mg/L*	*5.000*		*109*	*74.6-111*			
Surrogate: DCAA [2C]	*4.59*		*mg/L*	*5.000*		*91.8*	*74.6-111*			
Matrix Spike Dup (A209065-MSD1)	**Source: A123706-02**			Prepared: 09/25/2012 Analyzed: 09/26/2012 00:21						
2,4-D	0.508	0.10	mg/L	0.5000	ND	102	60-120	3.08	20	
2,4-D [2C]	0.383	0.10	mg/L	0.5000	ND	76.7	60-120	2.15	20	
2,4,5-TP	0.497	0.10	mg/L	0.5000	ND	99.3	60-120	3.26	20	
2,4,5-TP [2C]	0.441	0.10	mg/L	0.5000	ND	88.1	60-120	4.64	20	
Surrogate: DCAA	*5.22*		*mg/L*	*5.000*		*104*	*74.6-111*			
Surrogate: DCAA [2C]	*4.55*		*mg/L*	*5.000*		*90.9*	*74.6-111*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Julie Zimdars	10/03/2012

Notes and Definitions

S4	Surrogate recovery not evaluated against control limits due to sample dilution.
M	The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
B	Analyte was detected in the associated method blank.
1q	Analyte was detected in the associated leach blank at a concentration of 0.03 mg/L.

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

EST. 1991

CHAIN OF CUSTODY

COC # 209509120101

Lab Work Order #: A123706

Project Number:	2095
Project Name:	Former Wabash Alloys
Project Location:	WI, Oak Creek
Turn Around (circle one):	(Normal) Rush
If Rush, Report Due Date:	
Sampled By (Print):	(Ricky J. Guenther Jr)

Mail Report To:	Jody Barbeau
Company:	NRT
Address:	23713 W. Paul Road Ste. D, Pewaukee, WI 53072
E-mail Address:	jbarbeau@naturalrt.com
Invoice To:	Tracy Summit
Company:	NRT
Address:	Same as Above

Analyses Requested / Preservation Codes

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	TCLP VOCs	TCLP SVOCs	TCLP Phenols	Flash Point	PH	Free Liquids	Specific Gravity	Reactive Cyanide + Sulfide	Pesticides/Herbicides	TCLP Metals (14)	Comments	Lab ID	Lab Receipt Time
Yard Composite	9/11/12	1000	Soil	8	X	X	X	X	X	X	X	X	X	X	See attached sheet	01	
Transformer Comp	9/11/12	1030	Soil	8	X	X	X	X	X	X	X	X	X	X	See attached sheet	02	

14 metals include RCRA 8 plus Antimony, Beryllium, Nickel, Thallium, Vanadium, Zinc

Copper added per Julie JG 09-12-12

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	9/11/12	1630	[signature]	09-12-12	1400
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: Present/Absent Intact/Not Intact Seal #'s
Shipped Via:

Receipt Temp: -0.1 S/N 111042470
Temp Blank Y (N) Exp. 07-01-13

 WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER Rev. 11/08

 9501, 120911209502

Analyses Requested for Samples

Protocol B

TCLP VOCs		Y	8260
TCLP RCRA 8 Metals		Y	6010/6020/7471
TCLP SVOCs	Target Compound List	Y	8270
TCLP Phenols		Y	420.4
Flash Point		Y	1010
pH		Y	150.1/SM9040C
Free Liquids		Y	9095
Specific Gravity		Y	
Reactive Cyanide		Y	SW846 7.3.3.2
Reactive Sulfide		Y	SW846 7.3.4.2
~~Total VOCs~~		Y	8260 full list
TCLP Pesticides/Herbicides		Y	
TCLP Metals (Additional 6)		Y	6010/6020/7471

Chain of Custody

Pace Analytical®
www.pacelabs.com

A123706

Workorder: 4066912 Workorder Name: A123706 WABASH ALLOYS Owner Received Date: 9/13/2012 Results Requested By: 9/27/2012

Report To	Subcontract To (struck) Extract To:
Dan Milewsky Pace Analytical Services, Inc. 1241 Bellevue Street, Suite 9 Green Bay, WI 54302 Phone (920)469-2436 Fax (920)469-8827	~~Pace Analytical Minnesota~~ ~~1700 Elm Street SE~~ ~~Suite 200~~ ~~Minneapolis, MN 55414~~ ~~Phone (612)607-1700~~ ECCS 2525 Advance Rd Madison, WI 53718 608-221-8700

Requested Analysis: TCLP Pest/Herbs

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Unpreserved	TCLP Pest/Herbs	LAB USE ONLY
1	A123706-01	PS	9/11/2012 10:00	4066912001	Solid	1	X	01
2	A123706-02	PS	9/11/2012 10:30	4066912002	Solid	1	X	02
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	[signature]	9/18/12 1100	[signature]	9-19-12 1230
2				
3				

Comments: Soils leached at Pace and returned to client.

Cooler Temperature on Receipt -0.2 °C | Custody Seal Y or (N) | Received on Ice (Y) or N | Samples Intact (Y) or N

SN111642470
Exp 7/1/13

HBN# 109708 109707

TCLP / SPLP MATRIX LOG

DATE INITIATED: 9-17-12

DATE COMPLETED: 9-18-12

ANALYST INITIALS: AW

ANALYTICAL REQUIREMENTS:

SemiVolatile Extraction: X

Non-Volatile Extraction: X

Metals Extraction: X

Volatile Extraction (ZHE): _____

The matrix of the waste must be determined, recorded, and reported to the analysts receiving the TCLP extracts for matrix spiking purposes. A matrix spike shall be performed for each matrix type.

Method: (SW846 1311) SW846 1312 ASTM D3987

Balance: Ohaus Adventurer Pro AV213 SN: 8029021079

pH Meter: Symphony SB20 SN: 00001852

Sample Number	Aqueous	Soil	Sludge	Oil/Solvent	Other (Please Describe)
10204990-001		✓			
4066872-001		✓			
4066881-001		✓			
4066907-001		✓			
↓ 002		✓			
4066912-001		✓			
↓ 002		✓			
4067025-001		✓			
4067132-001		✓			

Aqueous – Matrix that contains less than 0.5% solids.

Soil – Matrix consisting of natural ground

Sludge – Matrix consisting of bio-solids from a wastewater treatment facility

Oil/Solvent – Matrix consisting of petroleum compounds immiscible with water.

Other – Matrices that are none of the above. This matrix can include plant material, waste recycling/shredder material, concrete, etc. A matrix spike must be performed on each material determined as "Other".

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

October 02, 2012

Jessica Esser
ECCS
2525 Advance Road
Madison, WI 53718

RE: Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on September 13, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Dan Milewsky

dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jessica Esser, ECCS

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

CERTIFICATIONS

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 12-019-0
Illinois Certification #: 002885
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-12-3
Utah Certification #: KS000212012-2

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

SAMPLE SUMMARY

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4066912001	**A123706-01**	Solid	09/11/12 10:00	09/13/12 09:30
4066912002	**A123706-02**	Solid	09/11/12 10:30	09/13/12 09:30

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

SAMPLE ANALYTE COUNT

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4066912001	**A123706-01**	EPA 6010	DLB	14	PASI-G
		EPA 7470	CMS	1	PASI-G
		EPA 8270	ARO	18	PASI-G
		EPA 8260	SMT	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 1010	DEY	1	PASI-G
		SW-846 7.3.4.2	JML	1	PASI-K
		EPA 9045	KMS	1	PASI-G
		EPA 9095	DEY	1	PASI-G
		SM 2710F	DEY	1	PASI-G
		EPA 420.1	KEO	1	PASI-M
		SW-846 7.3.3.2	OL	1	PASI-K
4066912002	**A123706-02**	EPA 6010	DLB	14	PASI-G
		EPA 7470	CMS	1	PASI-G
		EPA 8270	ARO	18	PASI-G
		EPA 8260	SMT	13	PASI-G
		ASTM D2974-87	SKW	1	PASI-G
		EPA 1010	DEY	1	PASI-G
		SW-846 7.3.4.2	JML	1	PASI-K
		EPA 9045	KMS	1	PASI-G
		EPA 9095	DEY	1	PASI-G
		SM 2710F	DEY	1	PASI-G
		EPA 420.1	KEO	1	PASI-M
		SW-846 7.3.3.2	OL	1	PASI-K

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

ANALYTICAL RESULTS

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Sample: A123706-01 **Lab ID: 4066912001** Collected: 09/11/12 10:00 Received: 09/13/12 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 09/17/12 00:00								
Antimony	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-36-0	
Arsenic	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-38-2	
Barium	**<1.2**	mg/L	2.5	1.2	1	09/18/12 13:15	09/19/12 11:51	7440-39-3	
Beryllium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-41-7	
Cadmium	**0.0050**	mg/L	0.0050	0.0025	1	09/18/12 13:15	09/19/12 11:51	7440-43-9	
Chromium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-47-3	
Copper	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-50-8	
Lead	**<0.015**	mg/L	0.038	0.015	1	09/18/12 13:15	09/19/12 11:51	7439-92-1	
Nickel	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-02-0	
Selenium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7782-49-2	
Silver	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-22-4	
Thallium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-28-0	
Vanadium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-62-2	
Zinc	**0.64**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:51	7440-66-6	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 09/17/12 00:00								
Mercury	**<0.10**	ug/L	0.20	0.10	1	09/18/12 14:05	09/19/12 10:52	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 09/17/12 00:00								
1,4-Dichlorobenzene	**<215**	ug/L	1250	215	25	09/20/12 12:00	09/21/12 18:49	106-46-7	D3
2,4-Dinitrotoluene	**<201**	ug/L	1250	201	25	09/20/12 12:00	09/21/12 18:49	121-14-2	
Hexachloro-1,3-butadiene	**<165**	ug/L	2500	165	25	09/20/12 12:00	09/21/12 18:49	87-68-3	
Hexachlorobenzene	**<278**	ug/L	1250	278	25	09/20/12 12:00	09/21/12 18:49	118-74-1	
Hexachloroethane	**<146**	ug/L	1250	146	25	09/20/12 12:00	09/21/12 18:49	67-72-1	
2-Methylphenol(o-Cresol)	**<243**	ug/L	1250	243	25	09/20/12 12:00	09/21/12 18:49	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<192**	ug/L	1250	192	25	09/20/12 12:00	09/21/12 18:49		
Nitrobenzene	**<341**	ug/L	1250	341	25	09/20/12 12:00	09/21/12 18:49	98-95-3	
Pentachlorophenol	**<269**	ug/L	2500	269	25	09/20/12 12:00	09/21/12 18:49	87-86-5	
Pyridine	**<358**	ug/L	1250	358	25	09/20/12 12:00	09/21/12 18:49	110-86-1	
2,4,5-Trichlorophenol	**<249**	ug/L	1250	249	25	09/20/12 12:00	09/21/12 18:49	95-95-4	
2,4,6-Trichlorophenol	**<267**	ug/L	1250	267	25	09/20/12 12:00	09/21/12 18:49	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	0	%.	41-130		25	09/20/12 12:00	09/21/12 18:49	4165-60-0	S4
2-Fluorobiphenyl (S)	0	%.	51-130		25	09/20/12 12:00	09/21/12 18:49	321-60-8	S4
Terphenyl-d14 (S)	0	%.	38-130		25	09/20/12 12:00	09/21/12 18:49	1718-51-0	S4
Phenol-d6 (S)	0	%.	13-130		25	09/20/12 12:00	09/21/12 18:49	13127-88-3	S4
2-Fluorophenol (S)	0	%.	24-130		25	09/20/12 12:00	09/21/12 18:49	367-12-4	S4
2,4,6-Tribromophenol (S)	0	%.	38-130		25	09/20/12 12:00	09/21/12 18:49	118-79-6	S4
8260 MSV TCLP	Analytical Method: EPA 8260 Preparation Method: EPA 1311								
Benzene	**<4.1**	ug/L	10.0	4.1	10	09/19/12 00:00	09/24/12 09:37	71-43-2	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Sample: A123706-01 **Lab ID: 4066912001** Collected: 09/11/12 10:00 Received: 09/13/12 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Preparation Method: EPA 1311								
2-Butanone (MEK)	**<43.0**	ug/L	50.0	43.0	10	09/19/12 00:00	09/24/12 09:37	78-93-3	
Carbon tetrachloride	**<4.9**	ug/L	10.0	4.9	10	09/19/12 00:00	09/24/12 09:37	56-23-5	
Chlorobenzene	**<4.1**	ug/L	10.0	4.1	10	09/19/12 00:00	09/24/12 09:37	108-90-7	
Chloroform	**4.1J**	ug/L	10.0	3.7	10	09/19/12 00:00	09/24/12 09:37	67-66-3	
1,2-Dichloroethane	**<3.6**	ug/L	10.0	3.6	10	09/19/12 00:00	09/24/12 09:37	107-06-2	
1,1-Dichloroethene	**<5.7**	ug/L	10.0	5.7	10	09/19/12 00:00	09/24/12 09:37	75-35-4	
Tetrachloroethene	**<4.5**	ug/L	10.0	4.5	10	09/19/12 00:00	09/24/12 09:37	127-18-4	
Trichloroethene	**<4.8**	ug/L	10.0	4.8	10	09/19/12 00:00	09/24/12 09:37	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10	09/19/12 00:00	09/24/12 09:37	75-01-4	
Surrogates									
Toluene-d8 (S)	107	%.	55-137		10	09/19/12 00:00	09/24/12 09:37	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	43-137		10	09/19/12 00:00	09/24/12 09:37	460-00-4	
Dibromofluoromethane (S)	98	%.	70-130		10	09/19/12 00:00	09/24/12 09:37	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.9**	%	0.10	0.10	1		09/17/12 11:31		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>210**	deg F			1		09/14/12 15:29		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2								
Sulfide, Reactive	**<12.9**	mg/kg	100	12.9	1		10/01/12 15:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.3**	Std. Units	0.10	0.010	1		09/18/12 21:00		H6
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Pass**	no units			1		09/17/12 13:25		
Specific Gravity	Analytical Method: SM 2710F								
Specific Gravity	**1.6**	no units			1		09/17/12 16:00		
Phenolics, Total Recoverable	Analytical Method: EPA 420.1								
Phenolics, Total Recoverable	**20.9J**	ug/L	50.0	7.1	1		09/20/12 14:32		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2								
Cyanide, Reactive	**<0.0052**	mg/kg	0.025	0.0052	1		10/01/12 15:55		

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

ANALYTICAL RESULTS

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Sample: A123706-02 **Lab ID: 4066912002** Collected: 09/11/12 10:30 Received: 09/13/12 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 09/17/12 00:00								
Antimony	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-36-0	
Arsenic	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-38-2	
Barium	**<1.2**	mg/L	2.5	1.2	1	09/18/12 13:15	09/19/12 11:53	7440-39-3	
Beryllium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-41-7	
Cadmium	**0.0064**	mg/L	0.0050	0.0025	1	09/18/12 13:15	09/19/12 11:53	7440-43-9	
Chromium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-47-3	
Copper	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-50-8	
Lead	**<0.015**	mg/L	0.038	0.015	1	09/18/12 13:15	09/19/12 11:53	7439-92-1	
Nickel	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-02-0	
Selenium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7782-49-2	
Silver	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-22-4	
Thallium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-28-0	
Vanadium	**<0.12**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-62-2	
Zinc	**0.42**	mg/L	0.25	0.12	1	09/18/12 13:15	09/19/12 11:53	7440-66-6	1q
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 09/17/12 00:00								
Mercury	**<0.10**	ug/L	0.20	0.10	1	09/18/12 14:05	09/19/12 10:54	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 09/17/12 00:00								
1,4-Dichlorobenzene	**<8.6**	ug/L	50.0	8.6	1	09/20/12 12:00	09/21/12 15:32	106-46-7	
2,4-Dinitrotoluene	**<8.0**	ug/L	50.0	8.0	1	09/20/12 12:00	09/21/12 15:32	121-14-2	
Hexachloro-1,3-butadiene	**<6.6**	ug/L	100	6.6	1	09/20/12 12:00	09/21/12 15:32	87-68-3	
Hexachlorobenzene	**<11.1**	ug/L	50.0	11.1	1	09/20/12 12:00	09/21/12 15:32	118-74-1	
Hexachloroethane	**<5.8**	ug/L	50.0	5.8	1	09/20/12 12:00	09/21/12 15:32	67-72-1	
2-Methylphenol(o-Cresol)	**<9.7**	ug/L	50.0	9.7	1	09/20/12 12:00	09/21/12 15:32	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<7.7**	ug/L	50.0	7.7	1	09/20/12 12:00	09/21/12 15:32		
Nitrobenzene	**<13.7**	ug/L	50.0	13.7	1	09/20/12 12:00	09/21/12 15:32	98-95-3	
Pentachlorophenol	**<10.8**	ug/L	100	10.8	1	09/20/12 12:00	09/21/12 15:32	87-86-5	
Pyridine	**<14.3**	ug/L	50.0	14.3	1	09/20/12 12:00	09/21/12 15:32	110-86-1	
2,4,5-Trichlorophenol	**<10**	ug/L	50.0	10	1	09/20/12 12:00	09/21/12 15:32	95-95-4	
2,4,6-Trichlorophenol	**<10.7**	ug/L	50.0	10.7	1	09/20/12 12:00	09/21/12 15:32	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	66	%.	41-130		1	09/20/12 12:00	09/21/12 15:32	4165-60-0	
2-Fluorobiphenyl (S)	73	%.	51-130		1	09/20/12 12:00	09/21/12 15:32	321-60-8	
Terphenyl-d14 (S)	55	%.	38-130		1	09/20/12 12:00	09/21/12 15:32	1718-51-0	
Phenol-d6 (S)	26	%.	13-130		1	09/20/12 12:00	09/21/12 15:32	13127-88-3	
2-Fluorophenol (S)	38	%.	24-130		1	09/20/12 12:00	09/21/12 15:32	367-12-4	
2,4,6-Tribromophenol (S)	64	%.	38-130		1	09/20/12 12:00	09/21/12 15:32	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Preparation Method: EPA 1311								
Benzene	**<4.1**	ug/L	10.0	4.1	10	09/19/12 00:00	09/24/12 10:00	71-43-2	

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

ANALYTICAL RESULTS

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Sample: A123706-02 **Lab ID: 4066912002** Collected: 09/11/12 10:30 Received: 09/13/12 09:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Preparation Method: EPA 1311								
2-Butanone (MEK)	**<43.0**	ug/L	50.0	43.0	10	09/19/12 00:00	09/24/12 10:00	78-93-3	
Carbon tetrachloride	**<4.9**	ug/L	10.0	4.9	10	09/19/12 00:00	09/24/12 10:00	56-23-5	
Chlorobenzene	**<4.1**	ug/L	10.0	4.1	10	09/19/12 00:00	09/24/12 10:00	108-90-7	
Chloroform	**<3.7**	ug/L	10.0	3.7	10	09/19/12 00:00	09/24/12 10:00	67-66-3	
1,2-Dichloroethane	**<3.6**	ug/L	10.0	3.6	10	09/19/12 00:00	09/24/12 10:00	107-06-2	
1,1-Dichloroethene	**<5.7**	ug/L	10.0	5.7	10	09/19/12 00:00	09/24/12 10:00	75-35-4	
Tetrachloroethene	**<4.5**	ug/L	10.0	4.5	10	09/19/12 00:00	09/24/12 10:00	127-18-4	
Trichloroethene	**<4.8**	ug/L	10.0	4.8	10	09/19/12 00:00	09/24/12 10:00	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10	09/19/12 00:00	09/24/12 10:00	75-01-4	
Surrogates									
Toluene-d8 (S)	107	%.	55-137		10	09/19/12 00:00	09/24/12 10:00	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	43-137		10	09/19/12 00:00	09/24/12 10:00	460-00-4	
Dibromofluoromethane (S)	100	%.	70-130		10	09/19/12 00:00	09/24/12 10:00	1868-53-7	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.2**	%	0.10	0.10	1		09/17/12 11:31		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>210**	deg F			1		09/14/12 16:04		
Reactive Sulfide	Analytical Method: SW-846 7.3.4.2								
Sulfide, Reactive	**30.0J**	mg/kg	100	12.9	1		09/27/12 16:00		
9045 pH Soil	Analytical Method: EPA 9045								
pH at 25 Degrees C	**8.0**	Std. Units	0.10	0.010	1		09/18/12 21:00		H6
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095								
Free Liquids	**Pass**	no units			1		09/17/12 14:04		
Specific Gravity	Analytical Method: SM 2710F								
Specific Gravity	**1.9**	no units			1		09/17/12 16:07		
Phenolics, Total Recoverable	Analytical Method: EPA 420.1								
Phenolics, Total Recoverable	**11.3J**	ug/L	50.0	7.1	1		09/20/12 14:32		
733C S Reactive Cyanide	Analytical Method: SW-846 7.3.3.2								
Cyanide, Reactive	**0.017J**	mg/kg	0.025	0.0052	1		09/26/12 19:29		B

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: MERP/3283
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 4066912001, 4066912002

METHOD BLANK: 675206 Matrix: Water
Associated Lab Samples: 4066912001, 4066912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	09/19/12 10:42	

LABORATORY CONTROL SAMPLE: 675207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 675208 675209

Parameter	Units	4067025001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.10	5	5	5.0	5.1	99	101	85-115	2	20	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: MPRP/7493
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4066912001, 4066912002

METHOD BLANK: 675067 Matrix: Water
Associated Lab Samples: 4066912001, 4066912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/L	<0.025	0.050	09/19/12 11:30	
Arsenic	mg/L	<0.025	0.050	09/19/12 11:30	
Barium	mg/L	<0.25	0.50	09/19/12 11:30	
Beryllium	mg/L	<0.025	0.050	09/19/12 11:30	
Cadmium	mg/L	<0.00050	0.0010	09/19/12 11:30	
Chromium	mg/L	<0.025	0.050	09/19/12 11:30	
Copper	mg/L	<0.025	0.050	09/19/12 11:30	
Lead	mg/L	<0.0030	0.0075	09/19/12 11:30	
Nickel	mg/L	<0.025	0.050	09/19/12 11:30	
Selenium	mg/L	<0.025	0.050	09/19/12 11:30	
Silver	mg/L	<0.025	0.050	09/19/12 11:30	
Thallium	mg/L	<0.025	0.050	09/19/12 11:30	
Vanadium	mg/L	<0.025	0.050	09/19/12 11:30	
Zinc	mg/L	<0.025	0.050	09/19/12 11:30	

LABORATORY CONTROL SAMPLE: 675068

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	.5	0.43	87	80-120	
Arsenic	mg/L	.5	0.45	91	80-120	
Barium	mg/L	.5	0.47J	93	80-120	
Beryllium	mg/L	.5	0.47	94	80-120	
Cadmium	mg/L	.5	0.45	90	80-120	
Chromium	mg/L	.5	0.48	96	80-120	
Copper	mg/L	.5	0.48	97	80-120	
Lead	mg/L	.5	0.46	91	80-120	
Nickel	mg/L	.5	0.45	91	80-120	
Selenium	mg/L	.5	0.45	89	80-120	
Silver	mg/L	.25	0.23	91	80-120	
Thallium	mg/L	.5	0.44	88	80-120	
Vanadium	mg/L	.5	0.48	96	80-120	
Zinc	mg/L	.5	0.47	94	80-120	

MATRIX SPIKE SAMPLE: 675069

Parameter	Units	4066629001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	<0.12	2.5	2.1	84	75-125	
Arsenic	mg/L	<0.12	2.5	2.2	87	75-125	
Barium	mg/L	<1.2	2.5	2.7	90	75-125	
Beryllium	mg/L	<0.12	2.5	2.3	91	75-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

MATRIX SPIKE SAMPLE: 675069

Parameter	Units	4066629001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/L	0.027	2.5	2.2	88	75-125	
Chromium	mg/L	<0.12	2.5	2.3	92	75-125	
Copper	mg/L	<0.12	2.5	2.4	94	75-125	
Lead	mg/L	0.076	2.5	2.2	86	75-125	
Nickel	mg/L	<0.12	2.5	2.2	86	75-125	
Selenium	mg/L	<0.12	2.5	2.2	88	75-125	
Silver	mg/L	<0.12	1.2	1.1	89	75-125	
Thallium	mg/L	<0.12	2.5	2.1	82	75-125	
Vanadium	mg/L	<0.12	2.5	2.3	93	75-125	
Zinc	mg/L	1.0	2.5	3.3	92	75-125	

MATRIX SPIKE SAMPLE: 675070

Parameter	Units	4066629002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	<0.12	2.5	2.2	85	75-125	
Arsenic	mg/L	<0.12	2.5	2.2	89	75-125	
Barium	mg/L	<1.2	2.5	2.9	89	75-125	
Beryllium	mg/L	<0.12	2.5	2.3	93	75-125	
Cadmium	mg/L	<0.0025	2.5	2.2	89	75-125	
Chromium	mg/L	<0.12	2.5	2.3	92	75-125	
Copper	mg/L	<0.12	2.5	2.4	96	75-125	
Lead	mg/L	0.050	2.5	2.2	86	75-125	
Nickel	mg/L	<0.12	2.5	2.2	86	75-125	
Selenium	mg/L	<0.12	2.5	2.2	88	75-125	
Silver	mg/L	<0.12	1.2	1.1	91	75-125	
Thallium	mg/L	<0.12	2.5	2.0	82	75-125	
Vanadium	mg/L	<0.12	2.5	2.4	94	75-125	
Zinc	mg/L	0.35	2.5	2.6	91	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 675071 675072

Parameter	Units	4066872001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	<0.12	2.5	2.5	2.2	2.2	88	87	75-125	1	20	
Arsenic	mg/L	<0.12	2.5	2.5	2.3	2.3	91	90	75-125	1	20	
Barium	mg/L	<1.2	2.5	2.5	2.9	3.0	91	93	75-125	2	20	
Beryllium	mg/L	<0.12	2.5	2.5	2.3	2.3	93	93	75-125	0	20	
Cadmium	mg/L	<0.0025	2.5	2.5	2.3	2.3	91	90	75-125	1	20	
Chromium	mg/L	<0.12	2.5	2.5	2.3	2.3	94	93	75-125	1	20	
Copper	mg/L	<0.12	2.5	2.5	2.4	2.4	96	94	75-125	1	20	
Lead	mg/L	<0.015	2.5	2.5	2.3	2.2	90	89	75-125	1	20	
Nickel	mg/L	0.18J	2.5	2.5	2.4	2.4	91	90	75-125	1	20	
Selenium	mg/L	<0.12	2.5	2.5	2.3	2.3	91	90	75-125	1	20	
Silver	mg/L	<0.12	1.2	1.2	1.1	1.1	91	91	75-125	1	20	
Thallium	mg/L	<0.12	2.5	2.5	2.2	2.2	87	86	75-125	1	20	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 675071 675072

Parameter	Units	4066872001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Vanadium	mg/L	<0.12	2.5	2.5	2.4	2.3	94	93	75-125	1	20	
Zinc	mg/L	0.39	2.5	2.5	2.7	2.7	94	94	75-125	1	20	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: MSV/16864 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 4066912001, 4066912002

METHOD BLANK: 676508 Matrix: Water
Associated Lab Samples: 4066912001, 4066912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<0.57	1.0	09/24/12 06:35	
1,2-Dichloroethane	ug/L	<0.36	1.0	09/24/12 06:35	
2-Butanone (MEK)	ug/L	<4.3	5.0	09/24/12 06:35	
Benzene	ug/L	<0.41	1.0	09/24/12 06:35	
Carbon tetrachloride	ug/L	<0.49	1.0	09/24/12 06:35	
Chlorobenzene	ug/L	<0.41	1.0	09/24/12 06:35	
Chloroform	ug/L	<0.37	1.0	09/24/12 06:35	
Tetrachloroethene	ug/L	<0.45	1.0	09/24/12 06:35	
Trichloroethene	ug/L	<0.48	1.0	09/24/12 06:35	
Vinyl chloride	ug/L	<0.18	1.0	09/24/12 06:35	
4-Bromofluorobenzene (S)	%.	98	43-137	09/24/12 06:35	
Dibromofluoromethane (S)	%.	96	70-130	09/24/12 06:35	
Toluene-d8 (S)	%.	108	55-137	09/24/12 06:35	

LABORATORY CONTROL SAMPLE & LCSD: 676509 676510

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/L	50	53.7	54.6	107	109	70-130	2	20	
1,2-Dichloroethane	ug/L	50	53.7	52.9	107	106	70-144	2	20	
2-Butanone (MEK)	ug/L	50	47.6	59.1	95	118	50-150	21	20	D6
Benzene	ug/L	50	55.7	54.8	111	110	70-137	2	20	
Carbon tetrachloride	ug/L	50	56.0	55.5	112	111	70-154	1	20	
Chlorobenzene	ug/L	50	51.9	51.8	104	104	70-130	0	20	
Chloroform	ug/L	50	55.3	53.6	111	107	70-130	3	20	
Tetrachloroethene	ug/L	50	50.9	52.5	102	105	70-130	3	20	
Trichloroethene	ug/L	50	54.0	54.0	108	108	70-130	0	20	
Vinyl chloride	ug/L	50	43.5	45.8	87	92	61-143	5	20	
4-Bromofluorobenzene (S)	%.				107	108	43-137			
Dibromofluoromethane (S)	%.				98	99	70-130			
Toluene-d8 (S)	%.				108	106	55-137			

MATRIX SPIKE SAMPLE: 676511

Parameter	Units	4066912001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<5.7	500	582	116	70-130	
1,2-Dichloroethane	ug/L	<3.6	500	518	104	70-146	
2-Butanone (MEK)	ug/L	<43.0	500	458	92	50-150	
Benzene	ug/L	<4.1	500	534	107	70-137	
Carbon tetrachloride	ug/L	<4.9	500	526	105	70-154	
Chlorobenzene	ug/L	<4.1	500	506	101	70-130	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

MATRIX SPIKE SAMPLE: 676511

Parameter	Units	4066912001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroform	ug/L	4.1J	500	520	103	70-130	
Tetrachloroethene	ug/L	<4.5	500	487	97	70-130	
Trichloroethene	ug/L	<4.8	500	505	101	70-130	
Vinyl chloride	ug/L	<1.8	500	491	98	59-144	
4-Bromofluorobenzene (S)	%.				110	43-137	
Dibromofluoromethane (S)	%.				98	70-130	
Toluene-d8 (S)	%.				108	55-137	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: OEXT/16166
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 4066912001, 4066912002

METHOD BLANK: 676429
Matrix: Water
Associated Lab Samples: 4066912001, 4066912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<1.7	10.0	09/21/12 12:51	
2,4,5-Trichlorophenol	ug/L	<2.0	10.0	09/21/12 12:51	
2,4,6-Trichlorophenol	ug/L	<2.1	10.0	09/21/12 12:51	
2,4-Dinitrotoluene	ug/L	<1.6	10.0	09/21/12 12:51	
2-Methylphenol(o-Cresol)	ug/L	<1.9	10.0	09/21/12 12:51	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.5	10.0	09/21/12 12:51	
Hexachloro-1,3-butadiene	ug/L	<1.3	20.0	09/21/12 12:51	
Hexachlorobenzene	ug/L	<2.2	10.0	09/21/12 12:51	
Hexachloroethane	ug/L	<1.2	10.0	09/21/12 12:51	
Nitrobenzene	ug/L	<2.7	10.0	09/21/12 12:51	
Pentachlorophenol	ug/L	<2.2	20.0	09/21/12 12:51	
Pyridine	ug/L	<2.9	10.0	09/21/12 12:51	
2,4,6-Tribromophenol (S)	%.	71	38-130	09/21/12 12:51	
2-Fluorobiphenyl (S)	%.	84	51-130	09/21/12 12:51	
Nitrobenzene-d5 (S)	%.	75	41-130	09/21/12 12:51	
Phenol-d6 (S)	%.	29	13-130	09/21/12 12:51	

LABORATORY CONTROL SAMPLE: 676430

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	33.6	67	36-130	
2,4,5-Trichlorophenol	ug/L	50	43.7	87	65-130	
2,4,6-Trichlorophenol	ug/L	50	44.3	89	60-130	
2,4-Dinitrotoluene	ug/L	50	48.0	96	58-131	
2-Methylphenol(o-Cresol)	ug/L	50	31.8	64	36-130	
3&4-Methylphenol(m&p Cresol)	ug/L	50	27.7	55	34-130	
Hexachloro-1,3-butadiene	ug/L	50	32.0	64	40-130	
Hexachlorobenzene	ug/L	50	37.0	74	67-130	
Hexachloroethane	ug/L	50	29.9	60	28-130	
Nitrobenzene	ug/L	50	38.7	77	59-130	
Pentachlorophenol	ug/L	50	30.5	61	45-130	
Pyridine	ug/L	50	15.8	32	10-130	
2,4,6-Tribromophenol (S)	%.			80	38-130	
2-Fluorobiphenyl (S)	%.			85	51-130	
Nitrobenzene-d5 (S)	%.			79	41-130	
Phenol-d6 (S)	%.			35	13-130	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

MATRIX SPIKE SAMPLE: 676431

Parameter	Units	4066907001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<8.6	250	164	65	33-130	
2,4,5-Trichlorophenol	ug/L	<10	250	217	87	65-130	
2,4,6-Trichlorophenol	ug/L	<10.7	250	226	90	60-130	
2,4-Dinitrotoluene	ug/L	<8.0	250	230	92	35-139	
2-Methylphenol(o-Cresol)	ug/L	<9.7	250	129	52	28-130	
3&4-Methylphenol(m&p Cresol)	ug/L	<7.7	250	119	48	34-130	
Hexachloro-1,3-butadiene	ug/L	<6.6	250	167	67	29-130	
Hexachlorobenzene	ug/L	<11.1	250	188	75	46-152	
Hexachloroethane	ug/L	<5.8	250	146	58	24-130	
Nitrobenzene	ug/L	<13.7	250	208	83	59-130	
Pentachlorophenol	ug/L	<10.8	250	165	66	10-164	
Pyridine	ug/L	<14.3	250	97.3	39	10-130	
2,4,6-Tribromophenol (S)	%.				73	38-130	
2-Fluorobiphenyl (S)	%.				89	51-130	
Nitrobenzene-d5 (S)	%.				83	41-130	
Phenol-d6 (S)	%.				36	13-130	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: PMST/7597
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4066912001, 4066912002

SAMPLE DUPLICATE: 674289

Parameter	Units	4066747001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.2	20.5	2	10	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WET/12899
QC Batch Method: EPA 1010
Analysis Method: EPA 1010
Analysis Description: 1010 Flash Point, Closed Cup
Associated Lab Samples: 4066912001, 4066912002

LABORATORY CONTROL SAMPLE: 672740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		80.5			

SAMPLE DUPLICATE: 673140

Parameter	Units	4066912002 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	>210	>210			

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WET/37351 Analysis Method: SW-846 7.3.4.2
QC Batch Method: SW-846 7.3.4.2 Analysis Description: Reactive Sulfide
Associated Lab Samples: 4066912002

METHOD BLANK: 1068124 Matrix: Solid
Associated Lab Samples: 4066912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	<12.9	100	09/27/12 16:00	

LABORATORY CONTROL SAMPLE: 1068125

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	200	164	82	77-110	

MATRIX SPIKE SAMPLE: 1068126

Parameter	Units	4066912002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	30.0J	500	450	84	67-116	

SAMPLE DUPLICATE: 1068127

Parameter	Units	92131276001 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	<12.9		30	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WET/37439 Analysis Method: SW-846 7.3.4.2
QC Batch Method: SW-846 7.3.4.2 Analysis Description: Reactive Sulfide
Associated Lab Samples: 4066912001

METHOD BLANK: 1070852 Matrix: Solid
Associated Lab Samples: 4066912001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide, Reactive	mg/kg	<12.9	100	10/01/12 15:00	

LABORATORY CONTROL SAMPLE: 1070853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	200	164	82	77-110	

MATRIX SPIKE SAMPLE: 1070854

Parameter	Units	60130034001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide, Reactive	mg/kg	ND	500	400	80	67-116	

SAMPLE DUPLICATE: 1070856

Parameter	Units	60130034002 Result	Dup Result	RPD	Max RPD	Qualifiers
Sulfide, Reactive	mg/kg	ND	<12.9		30	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WET/12937
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 4066912001, 4066912002

SAMPLE DUPLICATE: 675404

Parameter	Units	4065713002 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	7.9	0	5	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WET/12919
QC Batch Method: EPA 9095
Analysis Method: EPA 9095
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Associated Lab Samples: 4066912001, 4066912002

SAMPLE DUPLICATE: 674342

Parameter	Units	4066912001 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids	no units	Pass	Pass			

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WET/12924
QC Batch Method: SM 2710F
Analysis Method: SM 2710F
Analysis Description: Spec.Gravity
Associated Lab Samples: 4066912001, 4066912002

SAMPLE DUPLICATE: 674485

Parameter	Units	4066912001 Result	Dup Result	RPD	Max RPD	Qualifiers
Specific Gravity	no units	1.6	1.6	6		

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WETA/13407 Analysis Method: EPA 420.1
QC Batch Method: EPA 420.1 Analysis Description: 420.1 Phenolics
Associated Lab Samples: 4066912001, 4066912002

METHOD BLANK: 1291841 Matrix: Water
Associated Lab Samples: 4066912001, 4066912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenolics, Total Recoverable	ug/L	<7.1	50.0	09/20/12 14:27	

LABORATORY CONTROL SAMPLE: 1291842

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenolics, Total Recoverable	ug/L	1000	999	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1291843 1291844

Parameter	Units	10205488001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phenolics, Total Recoverable	ug/L	<50.0	1000	1000	993	1020	98	101	90-110	3	20	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WETA/21756
QC Batch Method: SW-846 7.3.3.2
Analysis Method: SW-846 7.3.3.2
Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 4066912002

METHOD BLANK: 1066595 Matrix: Solid
Associated Lab Samples: 4066912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	0.0080J	0.025	09/26/12 19:17	

LABORATORY CONTROL SAMPLE: 1066596

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	.5	0.44	87	71-123	

MATRIX SPIKE SAMPLE: 1066597

Parameter	Units	92131511001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	ND	.5	0.44	86	57-132	

SAMPLE DUPLICATE: 1066598

Parameter	Units	92131511002 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide, Reactive	mg/kg	ND	0.012J		23	

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

QUALITY CONTROL DATA

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

QC Batch: WETA/21849
QC Batch Method: SW-846 7.3.3.2
Analysis Method: SW-846 7.3.3.2
Analysis Description: 733C Reactive Cyanide
Associated Lab Samples: 4066912001

METHOD BLANK: 1070843 Matrix: Solid
Associated Lab Samples: 4066912001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide, Reactive	mg/kg	0.0060J	0.025	10/01/12 15:52	

LABORATORY CONTROL SAMPLE: 1070844

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	.5	0.51	101	71-123	

MATRIX SPIKE SAMPLE: 1070845

Parameter	Units	4066912001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide, Reactive	mg/kg	<0.0052	.5	0.51	101	57-132	

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

QUALIFIERS

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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-K	Pace Analytical Services - Kansas City
PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

1q	Analyte was detected in the associated leach blank at a concentration of 0.03 mg/L
B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A123706 WABASH ALLOYS
Pace Project No.: 4066912

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4066912001	**A123706-01**	EPA 3010	MPRP/7493	EPA 6010	ICP/6532
4066912002	**A123706-02**	EPA 3010	MPRP/7493	EPA 6010	ICP/6532
4066912001	**A123706-01**	EPA 7470	MERP/3283	EPA 7470	MERC/3880
4066912002	**A123706-02**	EPA 7470	MERP/3283	EPA 7470	MERC/3880
4066912001	**A123706-01**	EPA 3510	OEXT/16166	EPA 8270	MSSV/4978
4066912002	**A123706-02**	EPA 3510	OEXT/16166	EPA 8270	MSSV/4978
4066912001	**A123706-01**	EPA 1311	TCLP/2683	EPA 8260	MSV/16864
4066912002	**A123706-02**	EPA 1311	TCLP/2683	EPA 8260	MSV/16864
4066912001	**A123706-01**	ASTM D2974-87	PMST/7597		
4066912002	**A123706-02**	ASTM D2974-87	PMST/7597		
4066912001	**A123706-01**	EPA 1010	WET/12899		
4066912002	**A123706-02**	EPA 1010	WET/12899		
4066912001	**A123706-01**	SW-846 7.3.4.2	WET/37439		
4066912002	**A123706-02**	SW-846 7.3.4.2	WET/37351		
4066912001	**A123706-01**	EPA 9045	WET/12937		
4066912002	**A123706-02**	EPA 9045	WET/12937		
4066912001	**A123706-01**	EPA 9095	WET/12919		
4066912002	**A123706-02**	EPA 9095	WET/12919		
4066912001	**A123706-01**	SM 2710F	WET/12924		
4066912002	**A123706-02**	SM 2710F	WET/12924		
4066912001	**A123706-01**	EPA 420.1	WETA/13407		
4066912002	**A123706-02**	EPA 420.1	WETA/13407		
4066912001	**A123706-01**	SW-846 7.3.3.2	WETA/21849		
4066912002	**A123706-02**	SW-846 7.3.3.2	WETA/21756		

SUBCONTRACT ORDER

ECCS

A123706

√MW

4106912

SENDING LABORATORY:

ECCS
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: X Normal

Project Name: Former Wabash Alloys (Connell) - Oak Creek, WI _____ Rush

			Laboratory ID	Comments
001				5-4ozag A
Lab ID: A123706-01	**Soil**	**Sampled: 09/11/2012 10:00**		
Subcontracted Analysis - Pace				Modified Protocol B per attached sheet
Containers Supplied:				
04_Client provided glass c				
002				5-4ozag A
Lab ID: A123706-02	**Soil**	**Sampled: 09/11/2012 10:30**		
Subcontracted Analysis - Pace				Modified Protocol B per attached sheet
Containers Supplied:				
04_Client provided glass c				

Released By	Date	Received By	Date
Jessica Esser	09-12-12		
Dunham	9/13/12 0930	Susan Kuffel Pace	9/13/12 0930
Released By	Date	Received By	Date

4106691Z

SUMMARY OF SITE SPECIFIC ACCEPTANCE LIMITS

PROTOCOL B

PROTOCOL	ACCEPTANCE LIMITS
pH	2.0 ≤ pH ≤ 12.5
Specific Gravity	no limit
Total Solids	no limit
Free Liquids	0% free liquids (paint filter test)
Flash Point	≥ 140° F
Arsenic	TCLP extraction procedure < 5.0 mg/l
Barium	TCLP extraction procedure < 100.0 mg/l
Cadmium	TCLP extraction procedure < 1.0 mg/l
Chromium	TCLP extraction procedure < 5.0 mg/l
Copper	TCLP extraction procedure < 100.0 mg/l
Lead	TCLP extraction procedure < 5.0 mg/l
Mercury	TCLP extraction procedure < 0.2 mg/l
Nickel	TCLP extraction procedure < 35.0 mg/l
Selenium	TCLP extraction procedure < 1.0 mg/l
Silver	TCLP extraction procedure < 5.0 mg/l
Zinc	TCLP extraction procedure < 200.0 mg/l
Reactive Sulfide	200 ppm
~~PCB's~~	~~< 50 ppm~~ No PCB's.
Phenol	TCLP extraction procedure < 2000 mg/l
Reactive Cyanide	200 ppm
Benzene	TCLP extraction procedure < 0.5 mg/l
Carbon Tetrachloride	TCLP extraction procedure < 0.5 mg/l
Chlorobenzene	TCLP extraction procedure < 100.0 mg/l
Chloroform	TCLP extraction procedure < 6.0 mg/l
o-Cresol	TCLP extraction procedure < 200.0[2] mg/l
m-Cresol	TCLP extraction procedure < 200.0[2] mg/l
p-Cresol	TCLP extraction procedure < 200.0[2] mg/l
1,4-Dichlorobenzene	TCLP extraction procedure < 7.5 mg/l
1,2-Dichloroethane	TCLP extraction procedure < 0.5 mg/l
1,1-Dichloroethylene	TCLP extraction procedure < 0.7 mg/l
2,4-Dinitrotoluene	TCLP extraction procedure < 0.13[1] mg/l
Hexachlorobenzene	TCLP extraction procedure < 0.13[1] mg/l
Hexachloro-1.3-butadiene	TCLP extraction procedure < 0.5 mg/l
Hexachloroethane	TCLP extraction procedure < 3.0 mg/l
Methyl Ethyl Ketone	TCLP extraction procedure < 200.0 mg/l
Nitrobenzene	TCLP extraction procedure < 2.0 mg/l
Pentachlorophenol	TCLP extraction procedure < 100.0 mg/l
Pyridine	TCLP extraction procedure < 5.0[1] mg/l
Tetrachloroethylene	TCLP extraction procedure < 0.7 mg/l
Trichloroethylene	TCLP extraction procedure < 0.5 mg/l
2,4,5-Trichlorophenol	TCLP extraction procedure < 400.0 mg/l
2,4,6-Trichlorophenol	TCLP extraction procedure < 2.0 mg/l
Vinyl Chloride	TCLP extraction procedure < 0.2 mg/l

plus Antimony, Beryllium, Thallium, Vanadium.

Please return 1 liter of TCLP extract from each sample to ECCS.

1 Quantitation limit is greater than the calculated regulatory level. The quantitation limit, therefore becomes the regulatory level.

2 If o.m-, and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level for total Cresol is 200 mg/l.

For all constituents which are identified as TCLP extraction, it is permissible to do a totals analysis (on wastes which contain 0% free liquids) instead of the extraction. If the totals analysis is not over 20 times the acceptance limit, no extraction is required.

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: ECCS Project # 4066912

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

Tracking #:

Custody Seal on Cooler/Box Present: ☒ yes ☐ no 9/13/12 SLW 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 N/A Type of Ice: (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun.

Cooler Temperature ROI Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Optional: Proj. Due Date: Proj. Name:

Person examining contents: Date: 9-13-12 Initials: SLW

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

		Comments:
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. No signature. 9/13/12 SLW
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S	☐Yes ☒No ☐N/A	12. Id on zip loc samples came in - not on sample. 9/13/12 SLW
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☒No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	15.
Trip Blank Present:	☐Yes ☐No ☒N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution: Client note: Please return 1 liter of TCLP extract from each sample to ECCS. 9/13/12 SLW

Project Manager Review: CLF for DM **Date:** 9/13/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

12 August 2013

Jody Barbeau
Natural Resource Technology Inc
234 W. Florida Street, Fifth Floor
Milwaukee, WI 53204

RE: Former Wabash Alloys (Connell) - Oak Creek, WI

Enclosed are the analytical results for the samples received by the laboratory on 07/29/2013.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,

Jessica Esser
Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2014
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2014
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2014
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2014
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/12/2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Carbon 01	A133101-01	Other	07/29/2013	07/29/2013

Due to the sample matrix, sample A133101-01 was prepared at an initial diluiton for the PCBs by method 8082 analysis. The reporting limits have been raised accordingly.

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/12/2013

Carbon 01

A133101-01 (Other)

Date Sampled
07/29/2013 10:00

ECCS

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch:A307084**			
PCB-1016	ND	0.029	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
PCB-1221	ND	0.024	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
PCB-1232	ND	0.027	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
PCB-1242	ND	0.017	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
PCB-1248	ND	0.020	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
PCB-1254	**0.19**	0.017	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
PCB-1260	ND	0.0093	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
Total PCBs	**0.19**	0.0093	0.19	mg/kg dry	1	07/30/2013	07/31/2013 08:27	EPA 8082A	
Surrogate: Decachlorobiphenyl			*80.5 %*	*59.1-127*		*07/30/2013*	*07/31/2013 08:27*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*20.6 %*	*77.4-119*		*07/30/2013*	*07/31/2013 08:27*	*EPA 8082A*	*S*
Classical Chemistry Parameters						**Preparation Batch:A307085**			
% Solids	**51.8**		0.00	% by Weight	1	07/30/2013	07/31/2013 14:30	SM 2540B	

Pace Analytical

EPA 6010						**Preparation Batch:MPRP 8894**			
Arsenic	ND	0.12	0.25	mg/L	1	08/01/2013	08/02/2013 10:50	EPA 6010	
Barium	ND	1.2	2.5	mg/L	1	08/01/2013	08/02/2013 10:50	EPA 6010	
Cadmium	**0.0098**	0.0025	0.0050	mg/L	1	08/01/2013	08/02/2013 10:50	EPA 6010	
Chromium	ND	0.12	0.25	mg/L	1	08/01/2013	08/02/2013 10:50	EPA 6010	
Lead	ND	0.015	0.038	mg/L	1	08/01/2013	08/02/2013 10:50	EPA 6010	
Selenium	ND	0.12	0.25	mg/L	1	08/01/2013	08/02/2013 10:50	EPA 6010	
Silver	ND	0.12	0.25	mg/L	1	08/01/2013	08/02/2013 10:50	EPA 6010	
EPA 7470						**Preparation Batch:MERP 3785**			
Mercury	ND	0.10	0.20	ug/L	1	08/05/2013	08/06/2013 08:35	EPA 7470	
EPA 8260						**Preparation Batch:TCLP 3046**			
1,1-Dichloroethene	ND	4.3	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
1,2-Dichloroethane	ND	4.8	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
2-Butanone (MEK)	ND	27.0	200	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
Benzene	ND	5.0	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
Carbon tetrachloride	ND	3.7	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
Chlorobenzene	ND	3.6	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
Chloroform	ND	6.9	50.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
Tetrachloroethene	ND	4.7	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
Trichloroethene	ND	4.3	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	
Vinyl chloride	ND	1.8	10.0	ug/L	10	08/01/2013	08/02/2013 14:13	EPA 8260	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/12/2013

Carbon 01

A133101-01 (Other)

Date Sampled
07/29/2013 10:00

Pace Analytical

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
EPA 8260							**Preparation Batch:TCLP 3046**		
Surrogate: 4-Bromofluorobenzene (S)			*97 %*	*43-137*		*08/01/2013*	*08/02/2013 14:13*	*EPA 8260*	
Surrogate: Dibromofluoromethane (S)			*103 %*	*70-130*		*08/01/2013*	*08/02/2013 14:13*	*EPA 8260*	
Surrogate: Toluene-d8 (S)			*104 %*	*55-137*		*08/01/2013*	*08/02/2013 14:13*	*EPA 8260*	
EPA 8270							**Preparation Batch:OEXT 19324**		
1,4-Dichlorobenzene	ND	8.6	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
2,4,5-Trichlorophenol	ND	10	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
2,4,6-Trichlorophenol	ND	10.7	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
2,4-Dinitrotoluene	ND	8.0	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
2-Methylphenol(o-Cresol)	ND	9.7	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
3&4-Methylphenol(m&p Cresol)	ND	7.7	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
Hexachloro-1,3-butadiene	ND	6.6	100	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
Hexachlorobenzene	ND	11.1	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
Hexachloroethane	ND	5.8	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
Nitrobenzene	ND	13.7	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
Pentachlorophenol	ND	10.8	100	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
Pyridine	ND	14.3	50.0	ug/L	1	08/07/2013	08/08/2013 21:30	EPA 8270	
Surrogate: 2,4,6-Tribromophenol (S)			*74 %*	*34-143*		*08/07/2013*	*08/08/2013 21:30*	*EPA 8270*	
Surrogate: 2-Fluorobiphenyl (S)			*89 %*	*60-130*		*08/07/2013*	*08/08/2013 21:30*	*EPA 8270*	
Surrogate: 2-Fluorophenol (S)			*51 %*	*29-130*		*08/07/2013*	*08/08/2013 21:30*	*EPA 8270*	
Surrogate: Nitrobenzene-d5 (S)			*80 %*	*59-130*		*08/07/2013*	*08/08/2013 21:30*	*EPA 8270*	
Surrogate: Phenol-d6 (S)			*32 %*	*19-130*		*08/07/2013*	*08/08/2013 21:30*	*EPA 8270*	
Surrogate: Terphenyl-d14 (S)			*85 %*	*44-145*		*08/07/2013*	*08/08/2013 21:30*	*EPA 8270*	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/12/2013

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A307084 - EPA 3570										
Blank (A307084-BLK1)				Prepared: 07/30/2013 Analyzed: 07/31/2013 08:00						
PCB-1016	ND	0.050	mg/kg wet							
PCB-1221	ND	0.050	mg/kg wet							
PCB-1232	ND	0.050	mg/kg wet							
PCB-1242	ND	0.050	mg/kg wet							
PCB-1248	ND	0.050	mg/kg wet							
PCB-1254	ND	0.050	mg/kg wet							
PCB-1260	ND	0.050	mg/kg wet							
Total PCBs	ND	0.050	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.114*		*mg/kg wet*	*0.1200*		*95.0*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.115*		*mg/kg wet*	*0.1200*		*95.5*	*77.4-119*			
LCS (A307084-BS1)				Prepared: 07/30/2013 Analyzed: 07/31/2013 22:06						
PCB-1254	1.03	0.050	mg/kg wet	1.000		103	76.4-124			
Surrogate: Decachlorobiphenyl	*0.108*		*mg/kg wet*	*0.1200*		*90.4*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.121*		*mg/kg wet*	*0.1200*		*101*	*77.4-119*			
Matrix Spike (A307084-MS1)	**Source: A133102-17**			Prepared: 07/30/2013 Analyzed: 07/31/2013 22:33						
PCB-1254	1.21	0.057	mg/kg dry	1.141	ND	106	76.6-132			
Surrogate: Decachlorobiphenyl	*0.127*		*mg/kg dry*	*0.1369*		*92.6*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.140*		*mg/kg dry*	*0.1369*		*102*	*77.4-119*			
Matrix Spike Dup (A307084-MSD1)	**Source: A133102-17**			Prepared: 07/30/2013 Analyzed: 07/31/2013 23:00						
PCB-1254	1.24	0.057	mg/kg dry	1.141	ND	108	76.6-132	2.20	20	
Surrogate: Decachlorobiphenyl	*0.123*		*mg/kg dry*	*0.1369*		*89.6*	*59.1-127*			
Surrogate: Tetrachloro-meta-xylene	*0.145*		*mg/kg dry*	*0.1369*		*106*	*77.4-119*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/12/2013

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A307085 - % Solids										
Duplicate (A307085-DUP1)	**Source: A133102-01**		Prepared: 07/30/2013 Analyzed: 07/31/2013 14:30							
% Solids	87.3	0.00	% by Weight		87.8			0.529	20	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
234 W. Florida Street, Fifth Floor	Project Number: 2095	**Reported:**
Milwaukee WI, 53204	Project Manager: Jody Barbeau	08/12/2013

Notes and Definitions

S	Surrogate recovery was outside of laboratory control limits due to an apparent matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

2095130729002

Lab Work Order #: A133101

Project Number: 2095
Project Name: Former Wabash Alloys
Project Location: Oak Creek, WI
Turn Around (circle one): (Normal) Rush
If Rush, Report Due Date:
Sampled By (Print): Jacob Walczak

Mail Report To: Jody Barbeau
Company: NRT
Address: 234 W. Florida St.
Milwaukee, WI 53204
E-mail Address: jbarbeau@natresalt.com
Invoice To: Accounts Payable
Company: NRT
Address: Same as above

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	Analyses Requested: Total PCB 8052	Analyses Requested: TCLP RCRA List VOCs, SVOCs, Metals	Comments	Lab ID	Lab Receipt Time
Carbon 01	7-27-13	1000	Activated Carbon	4	X	X		01	

Preservation Codes: A | A

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Relinquished By:	Date: 7-29-13	Time: 1450	Received By:	Date: 07-29-13	Time: 1620
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Custody Seal: Present/(Absent) Intact/Not Intact Seal #'s
Shipped Via: Walk-In

Receipt Temp: Onice
Temp Blank Y N

Download this form at www.eccsmobilelab.com.

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER

Rev. 11/08

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

August 09, 2013

Jessica Esser
ECCS
2525 Advance Road
Madison, WI 53718

RE: Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on July 30, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Tod Noltemeyer

Tod Noltemeyer for
Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4081919001	**A133101-01**	Solid	07/29/13 10:00	07/30/13 09:10

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

SAMPLE ANALYTE COUNT

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4081919001	**A133101-01**	EPA 6010	MMZ	7
		EPA 7470	CMS	1
		EPA 8270	ARO	18
		EPA 8260	LAP	13

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

Sample: A133101-01 **Lab ID: 4081919001** Collected: 07/29/13 10:00 Received: 07/30/13 09:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
	Leachate Method/Date: EPA 1311; 07/31/13 00:00								
Arsenic	**<0.12**	mg/L	0.25	0.12	1	08/01/13 10:25	08/02/13 10:50	7440-38-2	
Barium	**<1.2**	mg/L	2.5	1.2	1	08/01/13 10:25	08/02/13 10:50	7440-39-3	
Cadmium	**0.0098**	mg/L	0.0050	0.0025	1	08/01/13 10:25	08/02/13 10:50	7440-43-9	
Chromium	**<0.12**	mg/L	0.25	0.12	1	08/01/13 10:25	08/02/13 10:50	7440-47-3	
Lead	**<0.015**	mg/L	0.038	0.015	1	08/01/13 10:25	08/02/13 10:50	7439-92-1	
Selenium	**<0.12**	mg/L	0.25	0.12	1	08/01/13 10:25	08/02/13 10:50	7782-49-2	
Silver	**<0.12**	mg/L	0.25	0.12	1	08/01/13 10:25	08/02/13 10:50	7440-22-4	
7470 Mercury, TCLP	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
	Leachate Method/Date: EPA 1311; 07/31/13 00:00								
Mercury	**<0.10**	ug/L	0.20	0.10	1	08/05/13 15:03	08/06/13 08:35	7439-97-6	
8270 MSSV TCLP Sep Funnel	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
	Leachate Method/Date: EPA 1311; 07/31/13 00:00								
1,4-Dichlorobenzene	**<8.6**	ug/L	50.0	8.6	1	08/07/13 12:00	08/08/13 21:30	106-46-7	
2,4-Dinitrotoluene	**<8.0**	ug/L	50.0	8.0	1	08/07/13 12:00	08/08/13 21:30	121-14-2	
Hexachloro-1,3-butadiene	**<6.6**	ug/L	100	6.6	1	08/07/13 12:00	08/08/13 21:30	87-68-3	
Hexachlorobenzene	**<11.1**	ug/L	50.0	11.1	1	08/07/13 12:00	08/08/13 21:30	118-74-1	
Hexachloroethane	**<5.8**	ug/L	50.0	5.8	1	08/07/13 12:00	08/08/13 21:30	67-72-1	
2-Methylphenol(o-Cresol)	**<9.7**	ug/L	50.0	9.7	1	08/07/13 12:00	08/08/13 21:30	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<7.7**	ug/L	50.0	7.7	1	08/07/13 12:00	08/08/13 21:30		
Nitrobenzene	**<13.7**	ug/L	50.0	13.7	1	08/07/13 12:00	08/08/13 21:30	98-95-3	
Pentachlorophenol	**<10.8**	ug/L	100	10.8	1	08/07/13 12:00	08/08/13 21:30	87-86-5	
Pyridine	**<14.3**	ug/L	50.0	14.3	1	08/07/13 12:00	08/08/13 21:30	110-86-1	
2,4,5-Trichlorophenol	**<10**	ug/L	50.0	10	1	08/07/13 12:00	08/08/13 21:30	95-95-4	
2,4,6-Trichlorophenol	**<10.7**	ug/L	50.0	10.7	1	08/07/13 12:00	08/08/13 21:30	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	80	%	59-130		1	08/07/13 12:00	08/08/13 21:30	4165-60-0	
2-Fluorobiphenyl (S)	89	%	60-130		1	08/07/13 12:00	08/08/13 21:30	321-60-8	
Terphenyl-d14 (S)	85	%	44-145		1	08/07/13 12:00	08/08/13 21:30	1718-51-0	
Phenol-d6 (S)	32	%	19-130		1	08/07/13 12:00	08/08/13 21:30	13127-88-3	
2-Fluorophenol (S)	51	%	29-130		1	08/07/13 12:00	08/08/13 21:30	367-12-4	
2,4,6-Tribromophenol (S)	74	%	34-143		1	08/07/13 12:00	08/08/13 21:30	118-79-6	
8260 MSV TCLP	Analytical Method: EPA 8260 Preparation Method: EPA 1311								
Benzene	**<5.0**	ug/L	10.0	5.0	10	08/01/13 00:00	08/02/13 14:13	71-43-2	
2-Butanone (MEK)	**<27.0**	ug/L	200	27.0	10	08/01/13 00:00	08/02/13 14:13	78-93-3	
Carbon tetrachloride	**<3.7**	ug/L	10.0	3.7	10	08/01/13 00:00	08/02/13 14:13	56-23-5	
Chlorobenzene	**<3.6**	ug/L	10.0	3.6	10	08/01/13 00:00	08/02/13 14:13	108-90-7	
Chloroform	**<6.9**	ug/L	50.0	6.9	10	08/01/13 00:00	08/02/13 14:13	67-66-3	
1,2-Dichloroethane	**<4.8**	ug/L	10.0	4.8	10	08/01/13 00:00	08/02/13 14:13	107-06-2	
1,1-Dichloroethene	**<4.3**	ug/L	10.0	4.3	10	08/01/13 00:00	08/02/13 14:13	75-35-4	
Tetrachloroethene	**<4.7**	ug/L	10.0	4.7	10	08/01/13 00:00	08/02/13 14:13	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

Sample: A133101-01 **Lab ID: 4081919001** Collected: 07/29/13 10:00 Received: 07/30/13 09:10 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Preparation Method: EPA 1311								
Trichloroethene	**<4.3**	ug/L	10.0	4.3	10	08/01/13 00:00	08/02/13 14:13	79-01-6	
Vinyl chloride	**<1.8**	ug/L	10.0	1.8	10	08/01/13 00:00	08/02/13 14:13	75-01-4	
Surrogates									
Toluene-d8 (S)	104	%	55-137		10	08/01/13 00:00	08/02/13 14:13	2037-26-5	
4-Bromofluorobenzene (S)	97	%	43-137		10	08/01/13 00:00	08/02/13 14:13	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		10	08/01/13 00:00	08/02/13 14:13	1868-53-7	

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

QUALITY CONTROL DATA

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

QC Batch: MERP/3785
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury TCLP
Associated Lab Samples: 4081919001

METHOD BLANK: 833561 Matrix: Water
Associated Lab Samples: 4081919001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	08/06/13 08:25	

LABORATORY CONTROL SAMPLE: 833562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.1	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 833563 833564

Parameter	Units	4082022011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.10	5	5	5.1	5.3	102	105	85-115	3	20	

MATRIX SPIKE SAMPLE: 833565

Parameter	Units	4081972001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.10	5	2.4	47	85-115	M0

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

QC Batch: MPRP/8894
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4081919001

METHOD BLANK: 831959 Matrix: Water
Associated Lab Samples: 4081919001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/L	<0.025	0.050	08/02/13 10:23	
Barium	mg/L	<0.25	0.50	08/02/13 10:23	
Cadmium	mg/L	<0.00050	0.0010	08/02/13 10:23	
Chromium	mg/L	<0.025	0.050	08/02/13 10:23	
Lead	mg/L	<0.0030	0.0075	08/02/13 10:23	
Selenium	mg/L	<0.025	0.050	08/02/13 10:23	
Silver	mg/L	<0.025	0.050	08/02/13 10:23	

LABORATORY CONTROL SAMPLE: 831960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	.5	0.48	97	80-120	
Barium	mg/L	.5	0.49J	98	80-120	
Cadmium	mg/L	.5	0.48	97	80-120	
Chromium	mg/L	.5	0.49	98	80-120	
Lead	mg/L	.5	0.49	97	80-120	
Selenium	mg/L	.5	0.49	98	80-120	
Silver	mg/L	.25	0.24	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 831961 831962

Parameter	Units	4081934031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L	<0.12	2.5	2.5	2.5	2.5	99	100	75-125	1	20	
Barium	mg/L	<1.2	2.5	2.5	2.8	2.9	96	98	75-125	2	20	
Cadmium	mg/L	0.0041J	2.5	2.5	2.5	2.5	98	99	75-125	2	20	
Chromium	mg/L	<0.12	2.5	2.5	2.4	2.5	97	100	75-125	2	20	
Lead	mg/L	<0.015	2.5	2.5	2.4	2.5	96	98	75-125	2	20	
Selenium	mg/L	<0.12	2.5	2.5	2.5	2.6	99	102	75-125	2	20	
Silver	mg/L	<0.12	1.2	1.2	1.3	1.3	100	102	75-125	1	20	

MATRIX SPIKE SAMPLE: 831963

Parameter	Units	4081952001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	<0.12	2.5	2.5	100	75-125	
Barium	mg/L	2.6	2.5	5.1	100	75-125	
Cadmium	mg/L	<0.0025	2.5	2.5	99	75-125	
Chromium	mg/L	<0.12	2.5	2.5	100	75-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

MATRIX SPIKE SAMPLE: 831963

Parameter	Units	4081952001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.017J	2.5	2.5	98	75-125	
Selenium	mg/L	<0.12	2.5	2.5	101	75-125	
Silver	mg/L	<0.12	1.2	1.3	101	75-125	

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

QUALITY CONTROL DATA

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

QC Batch: MSV/20697 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 4081919001

METHOD BLANK: 832057 Matrix: Water
Associated Lab Samples: 4081919001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	<0.43	1.0	08/02/13 07:45	
1,2-Dichloroethane	ug/L	<0.48	1.0	08/02/13 07:45	
2-Butanone (MEK)	ug/L	<2.7	20.0	08/02/13 07:45	
Benzene	ug/L	<0.50	1.0	08/02/13 07:45	
Carbon tetrachloride	ug/L	<0.37	1.0	08/02/13 07:45	
Chlorobenzene	ug/L	<0.36	1.0	08/02/13 07:45	
Chloroform	ug/L	<0.69	5.0	08/02/13 07:45	
Tetrachloroethene	ug/L	<0.47	1.0	08/02/13 07:45	
Trichloroethene	ug/L	<0.43	1.0	08/02/13 07:45	
Vinyl chloride	ug/L	<0.18	1.0	08/02/13 07:45	
4-Bromofluorobenzene (S)	%	96	43-137	08/02/13 07:45	
Dibromofluoromethane (S)	%	96	70-130	08/02/13 07:45	
Toluene-d8 (S)	%	102	55-137	08/02/13 07:45	

LABORATORY CONTROL SAMPLE & LCSD: 832058 832059

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/L	50	45.2	45.0	90	90	70-130	0	20	
1,2-Dichloroethane	ug/L	50	50.1	51.1	100	102	70-144	2	20	
Benzene	ug/L	50	54.7	55.6	109	111	70-137	2	20	
Carbon tetrachloride	ug/L	50	48.9	49.8	98	100	70-154	2	20	
Chlorobenzene	ug/L	50	52.0	52.0	104	104	70-130	0	20	
Chloroform	ug/L	50	50.0	50.6	100	101	70-130	1	20	
Tetrachloroethene	ug/L	50	50.3	50.0	101	100	70-130	1	20	
Trichloroethene	ug/L	50	51.8	52.5	104	105	70-130	1	20	
Vinyl chloride	ug/L	50	44.8	47.1	90	94	61-143	5	20	
4-Bromofluorobenzene (S)	%				100	100	43-137			
Dibromofluoromethane (S)	%				98	100	70-130			
Toluene-d8 (S)	%				103	103	55-137			

MATRIX SPIKE SAMPLE: 832236

Parameter	Units	4081919001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<4.3	500	443	89	70-130	
1,2-Dichloroethane	ug/L	<4.8	500	523	105	70-146	
2-Butanone (MEK)	ug/L	<27.0		<27.0			
Benzene	ug/L	<5.0	500	561	112	70-137	
Carbon tetrachloride	ug/L	<3.7	500	486	97	70-154	
Chlorobenzene	ug/L	<3.6	500	509	102	70-130	
Chloroform	ug/L	<6.9	500	510	102	70-130	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

MATRIX SPIKE SAMPLE: 832236

Parameter	Units	4081919001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	<4.7	500	481	96	70-130	
Trichloroethene	ug/L	<4.3	500	520	104	70-130	
Vinyl chloride	ug/L	<1.8	500	423	85	59-144	
4-Bromofluorobenzene (S)	%				102	43-137	
Dibromofluoromethane (S)	%				104	70-130	
Toluene-d8 (S)	%				105	55-137	

MATRIX SPIKE SAMPLE: 832237

Parameter	Units	4081972001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	<4.3	500	481	96	70-130	
1,2-Dichloroethane	ug/L	<4.8	500	535	107	70-146	
2-Butanone (MEK)	ug/L	<27.0		<27.0			
Benzene	ug/L	<5.0	500	593	119	70-137	
Carbon tetrachloride	ug/L	<3.7	500	518	104	70-154	
Chlorobenzene	ug/L	<3.6	500	535	107	70-130	
Chloroform	ug/L	<6.9	500	529	105	70-130	
Tetrachloroethene	ug/L	<4.7	500	513	103	70-130	
Trichloroethene	ug/L	<4.3	500	551	110	70-130	
Vinyl chloride	ug/L	<1.8	500	471	94	59-144	
4-Bromofluorobenzene (S)	%				100	43-137	
Dibromofluoromethane (S)	%				100	70-130	
Toluene-d8 (S)	%				105	55-137	

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

QUALITY CONTROL DATA

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

QC Batch: OEXT/19324
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 TCLP MSSV
Associated Lab Samples: 4081919001

METHOD BLANK: 834441 Matrix: Water
Associated Lab Samples: 4081919001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dichlorobenzene	ug/L	<1.7	10.0	08/08/13 10:47	
2,4,5-Trichlorophenol	ug/L	<2.0	10.0	08/08/13 10:47	
2,4,6-Trichlorophenol	ug/L	<2.1	10.0	08/08/13 10:47	
2,4-Dinitrotoluene	ug/L	<1.6	10.0	08/08/13 10:47	
2-Methylphenol(o-Cresol)	ug/L	<1.9	10.0	08/08/13 10:47	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.5	10.0	08/08/13 10:47	
Hexachloro-1,3-butadiene	ug/L	<1.3	20.0	08/08/13 10:47	
Hexachlorobenzene	ug/L	<2.2	10.0	08/08/13 10:47	
Hexachloroethane	ug/L	<1.2	10.0	08/08/13 10:47	
Nitrobenzene	ug/L	<2.7	10.0	08/08/13 10:47	
Pentachlorophenol	ug/L	<2.2	20.0	08/08/13 10:47	
Pyridine	ug/L	<2.9	10.0	08/08/13 10:47	
2,4,6-Tribromophenol (S)	%	74	34-143	08/08/13 10:47	
2-Fluorobiphenyl (S)	%	91	60-130	08/08/13 10:47	
Nitrobenzene-d5 (S)	%	85	59-130	08/08/13 10:47	
Phenol-d6 (S)	%	32	19-130	08/08/13 10:47	

LABORATORY CONTROL SAMPLE: 834442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	33.0	66	53-130	
2,4,5-Trichlorophenol	ug/L	50	49.1	98	70-130	
2,4,6-Trichlorophenol	ug/L	50	45.7	91	70-130	
2,4-Dinitrotoluene	ug/L	50	52.0	104	69-134	
2-Methylphenol(o-Cresol)	ug/L	50	35.2	70	48-130	
3&4-Methylphenol(m&p Cresol)	ug/L	50	29.6	59	43-130	
Hexachloro-1,3-butadiene	ug/L	50	34.8	70	53-130	
Hexachlorobenzene	ug/L	50	48.3	97	59-130	
Hexachloroethane	ug/L	50	28.6	57	47-130	
Nitrobenzene	ug/L	50	49.1	98	66-130	
Pentachlorophenol	ug/L	50	37.9	76	54-130	
Pyridine	ug/L	50	6.2J	12	10-130	
2,4,6-Tribromophenol (S)	%			78	34-143	
2-Fluorobiphenyl (S)	%			95	60-130	
Nitrobenzene-d5 (S)	%			87	59-130	
Phenol-d6 (S)	%			36	19-130	

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

QUALITY CONTROL DATA

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

MATRIX SPIKE SAMPLE: 834443

Parameter	Units	4081919001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<8.6	250	182	73	50-130	
2,4,5-Trichlorophenol	ug/L	<10	250	229	91	65-130	
2,4,6-Trichlorophenol	ug/L	<10.7	250	208	83	64-130	
2,4-Dinitrotoluene	ug/L	<8.0	250	249	100	49-136	
2-Methylphenol(o-Cresol)	ug/L	<9.7	250	193	77	33-130	
3&4-Methylphenol(m&p Cresol)	ug/L	<7.7	250	173	69	35-130	
Hexachloro-1,3-butadiene	ug/L	<6.6	250	192	77	48-130	
Hexachlorobenzene	ug/L	<11.1	250	225	90	57-130	
Hexachloroethane	ug/L	<5.8	250	168	67	45-130	
Nitrobenzene	ug/L	<13.7	250	251	100	62-130	
Pentachlorophenol	ug/L	<10.8	250	204	82	10-149	
Pyridine	ug/L	<14.3	250	97.4	39	10-130	
2,4,6-Tribromophenol (S)	%				76	34-143	
2-Fluorobiphenyl (S)	%				87	60-130	
Nitrobenzene-d5 (S)	%				88	59-130	
Phenol-d6 (S)	%				37	19-130	

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

QUALIFIERS

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A133101 FORMER WABASH ALLOYS
Pace Project No.: 4081919

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4081919001	**A133101-01**	EPA 3010	MPRP/8894	EPA 6010	ICP/7871
4081919001	**A133101-01**	EPA 7470	MERP/3785	EPA 7470	MERC/4759
4081919001	**A133101-01**	EPA 3510	OEXT/19324	EPA 8270	MSSV/5875
4081919001	**A133101-01**	EPA 1311	TCLP/3046	EPA 8260	MSV/20697

SUBCONTRACT ORDER

ECCS

A133101 JBF 4/8/19

SENDING LABORATORY:

ECCS
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: X Normal ____ Rush

Project Name: Former Wabash Alloys (Connell) - Oak Creek, WI

			Laboratory ID	Comments
Lab ID: A133101-01	~~Soil~~ other	**Sampled: 07/29/2013 10:00**	001	3-4oz Ag[A]
1311 TCLP Extraction				Analyze for metals, VOCs, SVOCs

Containers Supplied:

03_4oz WM Amber Glass 03_4oz WM Amber Glass 03_4oz WM Amber Glass

Released By	Date	Received By	Date
	07-29-13 1700		
7/30/13 Dunham	7/30/13 0910	M. V	7/30/13 0910

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

Pace Analytical™

Sample Condition Upon Receipt

Client Name: ECCS Project # 40819/9

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace Other Dunham

Tracking #: 567050

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 NA Type of Ice: (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R01 /Corr: Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 7/30/13
Initials: MV

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

		Comments:
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. Sub work 7/30/13 MV
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☑No ☐N/A	
-Pace IR Containers Used:	☐Yes ☑No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	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: S		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
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: CH for DM **Date:** 9/30/13

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

20 May 2013

Jody Barbeau
Natural Resource Technology Inc
23713 West Paul Road, Unit D
Pewaukee, WI 53072

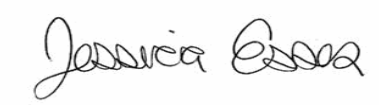
RE: Former Wabash Alloys (Connell) - Oak Creek, WI

Enclosed are the analytical results for the samples received by the laboratory on 05/17/2013.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,



Jessica Esser
Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2014
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2014
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2013
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2013
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Jody Barbeau	05/20/2013

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Water Treatment 01	A132022-01	Water	05/16/2013	05/17/2013

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Jody Barbeau	05/20/2013

Water Treatment 01

A132022-01 (Water)

Date Sampled
05/16/2013 12:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS									
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A305059**			
PCB-1016	ND	0.070	0.10	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	05/17/2013	05/18/2013 04:01	EPA 8082A	
Surrogate: Decachlorobiphenyl			*111 %*	*75.4-168*		*05/17/2013*	*05/18/2013 04:01*	*EPA 8082A*	
Surrogate: Tetrachloro-meta-xylene			*100 %*	*74.3-141*		*05/17/2013*	*05/18/2013 04:01*	*EPA 8082A*	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Jody Barbeau	05/20/2013

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Limit of Quantitation	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A305059 - EPA 3511										
Blank (A305059-BLK1)				Prepared: 05/17/2013 Analyzed: 05/18/2013 03:36						
PCB-1016	ND	0.10	ug/L							
PCB-1221	ND	0.20	ug/L							
PCB-1232	ND	0.10	ug/L							
PCB-1242	ND	0.10	ug/L							
PCB-1248	ND	0.10	ug/L							
PCB-1254	ND	0.10	ug/L							
PCB-1260	ND	0.10	ug/L							
Total PCBs	ND	0.20	ug/L							
Surrogate: Decachlorobiphenyl	*1.77*		*ug/L*	*1.500*		*118*	*75.4-168*			
Surrogate: Tetrachloro-meta-xylene	*1.66*		*ug/L*	*1.500*		*111*	*74.3-141*			
LCS (A305059-BS1)				Prepared: 05/17/2013 Analyzed: 05/18/2013 03:11						
PCB-1242	31.0	0.10	ug/L	25.00		124	70-130			
Surrogate: Decachlorobiphenyl	*1.83*		*ug/L*	*1.500*		*122*	*75.4-168*			
Surrogate: Tetrachloro-meta-xylene	*1.66*		*ug/L*	*1.500*		*110*	*74.3-141*			
Matrix Spike (A305059-MS1)	**Source: A132022-01**			Prepared: 05/17/2013 Analyzed: 05/18/2013 04:25						
PCB-1242	26.5	0.10	ug/L	25.00	ND	106	60-140			
Surrogate: Decachlorobiphenyl	*1.60*		*ug/L*	*1.500*		*107*	*75.4-168*			
Surrogate: Tetrachloro-meta-xylene	*1.48*		*ug/L*	*1.500*		*98.7*	*74.3-141*			
Matrix Spike Dup (A305059-MSD1)	**Source: A132022-01**			Prepared: 05/17/2013 Analyzed: 05/18/2013 04:51						
PCB-1242	27.1	0.10	ug/L	25.00	ND	108	60-140	2.18	20	
Surrogate: Decachlorobiphenyl	*1.65*		*ug/L*	*1.500*		*110*	*75.4-168*			
Surrogate: Tetrachloro-meta-xylene	*1.51*		*ug/L*	*1.500*		*101*	*74.3-141*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Jody Barbeau	05/20/2013

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

COC # 2095051613

Lab Work Order #: A132022

Project Number:	2095
Project Name:	Former Wabash Alloys - Connell property
Project Location:	Oak Creek, WI
Turn Around (check one):	☐ Normal ☒ 5 BDs ☐ 3 BDs ☐ 2 BDs ☐ 24 hrs
If Rush, Report Due Date:	1 Day Monday 5
Sampled By (Print):	Ricky J Guenther Jr.

Mail Report To:	Jody Barbeau
Company:	NRT
Address:	23713 W. Paul Rd , Unit D Pewaukee, WI 53072
E-mail Address:	jbarbeau@naturalrt.com
Invoice To:	Tracy Summit (tsummit@naturalrt.com)
Company:	NRT
Address:	same

Preservation Codes
Analyses Requested

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs method 8082						Comments	Lab ID	Lab Receipt Time
Water treatment 01	5/16/13	1230	W	1	☒	☐	☐	☐	☐	☐		01	
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	5/16/13		[signature]	~~5-16-13~~	1515
Relinquished By:	Date:	Time:	Received By:	Date: 05-17-13	Time:

Custody Seal: ☐ Present ☐ Absent ☐ Intact ☐ Not Intact Seal #s:
Shipped Via:
Receipt Temp:
Temp Blank: ☐ Y ☐ N

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Rush TAT Multipliers
5 Business Days = 1.5x
3 Business Days = 2x
2 Business Days = 2.25x
24 Hours = 2.5x
must be pre-arranged

Custody

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

21 November 2012

Kate Juno
Natural Resource Technology Inc
23713 West Paul Road, Unit D
Pewaukee, WI 53072

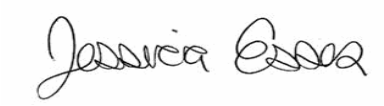
RE: Former Wabash Alloys (Connell) - Oak Creek, WI

Enclosed are the analytical results for the samples received by the laboratory on 11/07/2012.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2009 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report should be reproduced in its entirety.

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

Sincerely,



Jessica Esser
Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	200062	04/30/2013
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2013
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2013
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2013
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2013

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Wastewater 0910	A124522-01	Water	11/01/2012	11/07/2012
Purge Water 060110	A124522-02	Water	11/01/2012	11/07/2012
Trip Blank	A124522-03	Water	11/01/2012	11/07/2012

Reason for Revised Report

The report was revised to add full list VOCs to sample A124522-01 per the client. This report should replace A124522 FINAL 11 18 2012 2020.

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Wastewater 0910

A124522-01 (Water)

Date Sampled
11/01/2012 13:45

ECCS

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082						**Preparation Batch: A211027**		
PCB-1016	ND	0.26	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
PCB-1221	ND	0.50	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
PCB-1232	ND	0.26	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
PCB-1242	ND	0.26	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
PCB-1248	ND	0.26	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
PCB-1254	ND	0.26	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
PCB-1260	ND	0.26	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
Total PCBs	ND	0.50	ug/L	1	11/08/2012	11/09/2012 10:49	EPA 8082	
Surrogate: Decachlorobiphenyl		*89.6 %*		*75.7-134*	*11/08/2012*	*11/09/2012 10:49*	*EPA 8082*	
Surrogate: Tetrachloro-meta-xylene		*92.9 %*		*57.1-132*	*11/08/2012*	*11/09/2012 10:49*	*EPA 8082*	
Volatile Organic Compounds by Method 8260 - Purge and Trap						**Preparation Batch: A211032**		
Acetone	**84**	20	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Bromobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Bromochloromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Bromodichloromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Bromoform	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
2-Butanone	**23**	20	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Carbon disulfide	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Chlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Chloroform	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Chloromethane	ND	2.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Dibromochloromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Dibromomethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Wastewater 0910

A124522-01 (Water)

Date Sampled
11/01/2012 13:45

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by Method 8260 - Purge and Trap					**Preparation Batch: A211032**			
1,1-Dichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
2,2-Dichloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2-Dichloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,3-Dichloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,1-Dichloropropene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Diisopropyl Ether	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Ethylbenzene	**1.3**	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Hexachlorobutadiene	ND	2.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
n-Hexane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
2-Hexanone	ND	20	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Isopropylbenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Methylene chloride	ND	2.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
4-Methyl-2-pentanone	**21**	20	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Methyl t-Butyl Ether	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Naphthalene	ND	5.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Styrene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Tetrahydrofuran	ND	10	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Toluene	**1.0**	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Trichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Trichlorofluoromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,3,5-Trimethylbenzene	**0.62**	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
1,2,4-Trimethylbenzene	**0.95**	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Vinyl chloride	ND	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
m,p-Xylene	**12**	1.0	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
o-Xylene	**5.8**	0.50	ug/L	1	11/08/2012	11/08/2012 21:35	EPA 8260B	
Surrogate: Dibromofluoromethane		*95.9 %*		*87.2-110*	*11/08/2012*	*11/08/2012 21:35*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.2 %*		*91.7-104*	*11/08/2012*	*11/08/2012 21:35*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*100 %*		*83.8-109*	*11/08/2012*	*11/08/2012 21:35*	*EPA 8260B*	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Wastewater 0910

A124522-01 (Water)

Date Sampled
11/01/2012 13:45

Pace Analytical

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
EPA 1010						**Preparation Batch: 115540**		
Flashpoint	>210		deg F	1	11/13/2012	11/13/2012 10:15	EPA 1010	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Purge Water 060110

A124522-02 (Water)

Date Sampled
11/01/2012 14:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by Method 8260 - Purge and Trap					**Preparation Batch: A211032**			
Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 19:39	EPA 8260B	
Surrogate: Dibromofluoromethane		*99.7 %*		*87.2-110*	*11/08/2012*	*11/08/2012 19:39*	*EPA 8260B*	
Surrogate: Toluene-d8		*98.6 %*		*91.7-104*	*11/08/2012*	*11/08/2012 19:39*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*102 %*		*83.8-109*	*11/08/2012*	*11/08/2012 19:39*	*EPA 8260B*	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Trip Blank

A124522-03 (Water)

Date Sampled
11/01/2012 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by Method 8260 - Purge and Trap					**Preparation Batch: A211032**			
Acetone	ND	20	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Bromobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Bromochloromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Bromodichloromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Bromoform	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
2-Butanone	ND	20	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
n-Butyl Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
sec-Butyl Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
tert-Butylbenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Carbon disulfide	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Carbon tetrachloride	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Chlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Chloroform	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Chloromethane	ND	2.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
2-Chlorotoluene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
4-Chlorotoluene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Dibromochloromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2-Dibromoethane (EDB)	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Dibromomethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2-Dichlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,4-Dichlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,3-Dichlorobenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Dichlorodifluoromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1-Dichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2-Dichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1-Dichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
2,2-Dichloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2-Dichloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,3-Dichloropropane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1-Dichloropropene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Diisopropyl Ether	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Ethylbenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Hexachlorobutadiene	ND	2.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
n-Hexane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
2-Hexanone	ND	20	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Trip Blank

A124522-03 (Water)

Date Sampled
11/01/2012 00:00

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
ECCS								
Volatile Organic Compounds by Method 8260 - Purge and Trap					**Preparation Batch: A211032**			
Isopropylbenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
p-Isopropyltoluene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Methylene chloride	ND	2.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
4-Methyl-2-pentanone	ND	20	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Methyl t-Butyl Ether	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Naphthalene	ND	5.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
n-Propyl Benzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Styrene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Tetrachloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Tetrahydrofuran	ND	10	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Toluene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2,3-Trichlorobenzene	ND	2.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1,2-Trichloroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Trichloroethene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Trichlorofluoromethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,3,5-Trimethylbenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
1,2,4-Trimethylbenzene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Vinyl chloride	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
m,p-Xylene	ND	1.0	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
o-Xylene	ND	0.50	ug/L	1	11/08/2012	11/08/2012 20:08	EPA 8260B	
Surrogate: Dibromofluoromethane		*109 %*		*87.2-110*	*11/08/2012*	*11/08/2012 20:08*	*EPA 8260B*	
Surrogate: Toluene-d8		*99.0 %*		*91.7-104*	*11/08/2012*	*11/08/2012 20:08*	*EPA 8260B*	
Surrogate: 4-Bromofluorobenzene		*99.9 %*		*83.8-109*	*11/08/2012*	*11/08/2012 20:08*	*EPA 8260B*	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211027 - EPA 3511										
Blank (A211027-BLK1)				Prepared: 11/08/2012 Analyzed: 11/09/2012 09:54						
PCB-1016	ND	0.26	ug/L							
PCB-1221	ND	0.50	ug/L							
PCB-1232	ND	0.26	ug/L							
PCB-1242	ND	0.26	ug/L							
PCB-1248	ND	0.26	ug/L							
PCB-1254	ND	0.26	ug/L							
PCB-1260	ND	0.26	ug/L							
Total PCBs	ND	0.50	ug/L							
Surrogate: Decachlorobiphenyl	*1.40*		*ug/L*	*1.500*		*93.4*	*75.7-134*			
Surrogate: Tetrachloro-meta-xylene	*1.47*		*ug/L*	*1.500*		*97.7*	*57.1-132*			
LCS (A211027-BS1)				Prepared: 11/08/2012 Analyzed: 11/09/2012 10:21						
PCB-1248	25.5	0.26	ug/L	25.00		102	70-130			
Surrogate: Decachlorobiphenyl	*1.49*		*ug/L*	*1.500*		*99.5*	*75.7-134*			
Surrogate: Tetrachloro-meta-xylene	*1.58*		*ug/L*	*1.500*		*105*	*57.1-132*			
Matrix Spike (A211027-MS1)	**Source: A124522-01**			Prepared: 11/08/2012 Analyzed: 11/09/2012 11:16						
PCB-1248	49.0	0.52	ug/L	50.00	ND	97.9	60-140			
Surrogate: Decachlorobiphenyl	*2.52*		*ug/L*	*3.000*		*84.0*	*75.7-134*			
Surrogate: Tetrachloro-meta-xylene	*2.64*		*ug/L*	*3.000*		*88.0*	*57.1-132*			
Matrix Spike Dup (A211027-MSD1)	**Source: A124522-01**			Prepared: 11/08/2012 Analyzed: 11/09/2012 11:43						
PCB-1248	45.5	0.52	ug/L	50.00	ND	91.0	60-140	7.36	20	
Surrogate: Decachlorobiphenyl	*2.62*		*ug/L*	*3.000*		*87.4*	*75.7-134*			
Surrogate: Tetrachloro-meta-xylene	*2.79*		*ug/L*	*3.000*		*93.0*	*57.1-132*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211032 - EPA 5030B										
Blank (A211032-BLK1)				Prepared: 11/08/2012 Analyzed: 11/08/2012 18:26						
Acetone	ND	20	ug/L							
Benzene	ND	0.50	ug/L							
Bromobenzene	ND	0.50	ug/L							
Bromochloromethane	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	0.50	ug/L							
2-Butanone	ND	20	ug/L							
n-Butyl Benzene	ND	0.50	ug/L							
sec-Butyl Benzene	ND	0.50	ug/L							
tert-Butylbenzene	ND	0.50	ug/L							
Carbon disulfide	ND	0.50	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	2.0	ug/L							
2-Chlorotoluene	ND	0.50	ug/L							
4-Chlorotoluene	ND	0.50	ug/L							
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
1,2-Dibromoethane (EDB)	ND	0.50	ug/L							
Dibromomethane	ND	0.50	ug/L							
1,2-Dichlorobenzene	ND	0.50	ug/L							
1,4-Dichlorobenzene	ND	0.50	ug/L							
1,3-Dichlorobenzene	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
2,2-Dichloropropane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
1,3-Dichloropropane	ND	0.50	ug/L							
cis-1,3-Dichloropropene	ND	0.50	ug/L							
trans-1,3-Dichloropropene	ND	0.50	ug/L							
1,1-Dichloropropene	ND	0.50	ug/L							
Diisopropyl Ether	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
Hexachlorobutadiene	ND	2.0	ug/L							
n-Hexane	ND	0.50	ug/L							
2-Hexanone	ND	20	ug/L							
Isopropylbenzene	ND	0.50	ug/L							
p-Isopropyltoluene	ND	0.50	ug/L							
Methylene chloride	ND	2.0	ug/L							
4-Methyl-2-pentanone	ND	20	ug/L							
Methyl t-Butyl Ether	ND	0.50	ug/L							

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211032 - EPA 5030B										
Blank (A211032-BLK1)				Prepared: 11/08/2012 Analyzed: 11/08/2012 18:26						
Naphthalene	ND	5.0	ug/L							
n-Propyl Benzene	ND	0.50	ug/L							
Styrene	ND	0.50	ug/L							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Tetrahydrofuran	ND	10	ug/L							
Toluene	ND	0.50	ug/L							
1,2,3-Trichlorobenzene	ND	2.0	ug/L							
1,2,4-Trichlorobenzene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichloroethane	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
1,2,3-Trichloropropane	ND	1.0	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	0.50	ug/L							
1,3,5-Trimethylbenzene	ND	0.50	ug/L							
1,2,4-Trimethylbenzene	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Surrogate: Dibromofluoromethane	*25.5*		*ug/L*	*25.00*		*102*	*87.2-110*			
Surrogate: Toluene-d8	*24.5*		*ug/L*	*25.00*		*98.1*	*91.7-104*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/L*	*25.00*		*98.5*	*83.8-109*			
LCS (A211032-BS1)				Prepared: 11/08/2012 Analyzed: 11/08/2012 17:57						
Acetone	62.4		ug/L	50.00		125	50.8-145			
Benzene	4.77		ug/L	5.000		95.4	76.4-125			
Bromobenzene	4.96		ug/L	5.000		99.2	82.8-118			
Bromochloromethane	4.96		ug/L	5.000		99.2	79-122			
Bromodichloromethane	4.50		ug/L	5.000		90.0	72.3-129			
Bromoform	3.98		ug/L	5.000		79.6	74.5-127			
2-Butanone	46.0		ug/L	50.00		92.0	53.2-141			
n-Butyl Benzene	5.91		ug/L	5.000		118	74.4-125			
sec-Butyl Benzene	6.03		ug/L	5.000		121	78.9-122			
tert-Butylbenzene	5.67		ug/L	5.000		113	77.8-121			
Carbon disulfide	4.80		ug/L	5.000		96.0	70.3-131			
Carbon tetrachloride	4.88		ug/L	5.000		97.6	70.8-127			
Chlorobenzene	5.11		ug/L	5.000		102	82.6-121			
Chloroform	5.15		ug/L	5.000		103	65.8-137			
Chloromethane	4.96		ug/L	5.000		99.2	59.6-124			
2-Chlorotoluene	5.64		ug/L	5.000		113	76.1-122			
4-Chlorotoluene	5.77		ug/L	5.000		115	73.8-124			
1,2-Dibromo-3-chloropropane	3.03		ug/L	5.000		60.6	53.9-140			
Dibromochloromethane	4.24		ug/L	5.000		84.8	73-123			
1,2-Dibromoethane (EDB)	4.92		ug/L	5.000		98.4	75.3-126			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211032 - EPA 5030B										
LCS (A211032-BS1)			Prepared: 11/08/2012 Analyzed: 11/08/2012 17:57							
Dibromomethane	4.75		ug/L	5.000		95.0	75.7-126			
1,2-Dichlorobenzene	5.20		ug/L	5.000		104	80.5-122			
1,4-Dichlorobenzene	5.38		ug/L	5.000		108	79.7-124			
1,3-Dichlorobenzene	5.19		ug/L	5.000		104	80.6-121			
Dichlorodifluoromethane	4.88		ug/L	5.000		97.6	74.3-129			
1,1-Dichloroethane	5.33		ug/L	5.000		107	72.4-130			
1,2-Dichloroethane	5.29		ug/L	5.000		106	64.4-143			
trans-1,2-Dichloroethene	5.12		ug/L	5.000		102	75.8-124			
cis-1,2-Dichloroethene	4.90		ug/L	5.000		98.0	76.9-122			
1,1-Dichloroethene	5.59		ug/L	5.000		112	68.4-137			
2,2-Dichloropropane	5.45		ug/L	5.000		109	62.3-134			
1,2-Dichloropropane	5.07		ug/L	5.000		101	74.9-128			
1,3-Dichloropropane	4.90		ug/L	5.000		98.0	72.2-124			
cis-1,3-Dichloropropene	4.70		ug/L	5.000		94.0	74.1-122			
trans-1,3-Dichloropropene	5.05		ug/L	5.000		101	66.4-126			
1,1-Dichloropropene	5.15		ug/L	5.000		103	75.2-126			
Diisopropyl Ether	4.69		ug/L	5.000		93.8	68.2-129			
Ethylbenzene	5.66		ug/L	5.000		113	80.6-119			
Hexachlorobutadiene	5.41		ug/L	5.000		108	77.4-130			
n-Hexane	5.64		ug/L	5.000		113	62.3-134			
2-Hexanone	47.7		ug/L	50.00		95.3	54.9-140			
Isopropylbenzene	5.70		ug/L	5.000		114	79-124			
p-Isopropyltoluene	5.80		ug/L	5.000		116	76.8-122			
Methylene chloride	5.62		ug/L	5.000		112	77.1-122			
4-Methyl-2-pentanone	46.5		ug/L	50.00		93.0	55-146			
Methyl t-Butyl Ether	4.80		ug/L	5.000		96.0	64.7-136			
Naphthalene	4.15		ug/L	5.000		83.0	61.6-128			
n-Propyl Benzene	5.92		ug/L	5.000		118	78.1-122			
Styrene	5.12		ug/L	5.000		102	79.3-118			
1,1,1,2-Tetrachloroethane	4.88		ug/L	5.000		97.6	83.1-119			
1,1,2,2-Tetrachloroethane	5.01		ug/L	5.000		100	69.2-127			
Tetrachloroethene	5.42		ug/L	5.000		108	78.6-126			
Tetrahydrofuran	22.8		ug/L	25.00		91.0	70-130			
Toluene	4.92		ug/L	5.000		98.4	79.1-127			
1,2,3-Trichlorobenzene	4.97		ug/L	5.000		99.4	73.7-125			
1,2,4-Trichlorobenzene	5.07		ug/L	5.000		101	73.8-128			
1,1,1-Trichloroethane	5.30		ug/L	5.000		106	74.3-131			
1,1,2-Trichloroethane	4.58		ug/L	5.000		91.6	71-130			
Trichloroethene	5.04		ug/L	5.000		101	78.5-124			
Trichlorofluoromethane	6.38		ug/L	5.000		128	72.4-133			
1,2,3-Trichloropropane	5.11		ug/L	5.000		102	56.3-132			
1,1,2-Trichlorotrifluoroethane	6.32		ug/L	5.000		126	68.9-139			
1,3,5-Trimethylbenzene	5.76		ug/L	5.000		115	75.8-123			
1,2,4-Trimethylbenzene	5.83		ug/L	5.000		117	75.3-121			
Vinyl chloride	4.92		ug/L	5.000		98.4	60.7-135			
m,p-Xylene	11.0		ug/L	10.00		110	80.9-121			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211032 - EPA 5030B										
LCS (A211032-BS1)				Prepared: 11/08/2012 Analyzed: 11/08/2012 17:57						
o-Xylene	5.15		ug/L	5.000		103	79.6-119			
Surrogate: Dibromofluoromethane	*25.2*		*ug/L*	*25.00*		*101*	*87.2-110*			
Surrogate: Toluene-d8	*25.2*		*ug/L*	*25.00*		*101*	*91.7-104*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/L*	*25.00*		*103*	*83.8-109*			
Matrix Spike (A211032-MS1)	**Source: A124522-02**			Prepared: 11/08/2012 Analyzed: 11/08/2012 20:37						
Acetone	61.1		ug/L	50.00	1.03	120	42.5-137			
Benzene	5.31		ug/L	5.000	0.170	103	67-130			
Bromobenzene	5.04		ug/L	5.000	ND	101	82.7-116			
Bromochloromethane	5.17		ug/L	5.000	ND	103	80.7-124			
Bromodichloromethane	4.58		ug/L	5.000	ND	91.6	72.9-120			
Bromoform	3.90		ug/L	5.000	ND	78.0	75.8-125			
2-Butanone	49.4		ug/L	50.00	ND	98.8	47.2-139			
n-Butyl Benzene	5.72		ug/L	5.000	ND	114	69.1-122			
sec-Butyl Benzene	5.72		ug/L	5.000	ND	114	75-119			
tert-Butylbenzene	5.42		ug/L	5.000	ND	108	73.7-119			
Carbon disulfide	4.84		ug/L	5.000	ND	96.8	70-130			
Carbon tetrachloride	4.94		ug/L	5.000	ND	98.8	66.2-134			
Chlorobenzene	5.11		ug/L	5.000	ND	102	86.4-115			
Chloroform	5.28		ug/L	5.000	ND	106	70.4-123			
Chloromethane	5.39		ug/L	5.000	0.190	104	36.2-155			
2-Chlorotoluene	5.51		ug/L	5.000	ND	110	72.5-119			
4-Chlorotoluene	5.67		ug/L	5.000	ND	113	70.4-123			
1,2-Dibromo-3-chloropropane	4.19		ug/L	5.000	ND	83.8	48-136			
Dibromochloromethane	4.29		ug/L	5.000	ND	85.8	69.9-120			
1,2-Dibromoethane (EDB)	5.10		ug/L	5.000	ND	102	77.9-122			
Dibromomethane	5.33		ug/L	5.000	ND	107	80.4-120			
1,2-Dichlorobenzene	5.17		ug/L	5.000	ND	103	78.5-118			
1,4-Dichlorobenzene	5.28		ug/L	5.000	ND	106	80.1-117			
1,3-Dichlorobenzene	5.26		ug/L	5.000	ND	105	81.2-117			
Dichlorodifluoromethane	5.01		ug/L	5.000	ND	100	51.1-155			
1,1-Dichloroethane	5.68		ug/L	5.000	ND	114	66.1-134			
1,2-Dichloroethane	5.45		ug/L	5.000	ND	109	61.3-138			
trans-1,2-Dichloroethene	5.11		ug/L	5.000	ND	102	65.1-129			
cis-1,2-Dichloroethene	5.21		ug/L	5.000	ND	104	72.3-126			
1,1-Dichloroethene	6.21		ug/L	5.000	ND	124	67.4-126			
2,2-Dichloropropane	5.45		ug/L	5.000	ND	109	58.6-129			
1,2-Dichloropropane	5.37		ug/L	5.000	ND	107	76.2-122			
1,3-Dichloropropane	4.96		ug/L	5.000	ND	99.2	71.7-122			
cis-1,3-Dichloropropene	4.80		ug/L	5.000	ND	96.0	72.8-118			
trans-1,3-Dichloropropene	4.80		ug/L	5.000	ND	96.0	65.8-123			
1,1-Dichloropropene	5.39		ug/L	5.000	ND	108	70.8-124			
Diisopropyl Ether	4.92		ug/L	5.000	ND	98.4	70-130			
Ethylbenzene	5.40		ug/L	5.000	ND	108	74-119			
Hexachlorobutadiene	4.97		ug/L	5.000	ND	99.4	75.1-127			
n-Hexane	5.77		ug/L	5.000	0.290	110	70-130			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211032 - EPA 5030B										
Matrix Spike (A211032-MS1)	**Source: A124522-02**		Prepared: 11/08/2012 Analyzed: 11/08/2012 20:37							
2-Hexanone	46.6		ug/L	50.00	ND	93.1	48-139			
Isopropylbenzene	5.37		ug/L	5.000	ND	107	72.7-124			
p-Isopropyltoluene	5.60		ug/L	5.000	ND	112	79.9-115			
Methylene chloride	5.69		ug/L	5.000	0.490	104	67.5-128			
4-Methyl-2-pentanone	48.0		ug/L	50.00	ND	96.0	54.8-134			
Methyl t-Butyl Ether	5.11		ug/L	5.000	ND	102	70-130			
Naphthalene	4.39		ug/L	5.000	0.540	77.0	40.8-124			
n-Propyl Benzene	5.67		ug/L	5.000	ND	113	71.5-121			
Styrene	4.95		ug/L	5.000	ND	99.0	74-115			
1,1,1,2-Tetrachloroethane	4.82		ug/L	5.000	ND	96.4	83.2-116			
1,1,2,2-Tetrachloroethane	5.23		ug/L	5.000	ND	105	62.9-132			
Tetrachloroethene	5.21		ug/L	5.000	0.220	99.8	76.4-126			
Tetrahydrofuran	22.9		ug/L	25.00	ND	91.6	70-130			
Toluene	5.38		ug/L	5.000	0.460	98.4	77-121			
1,2,3-Trichlorobenzene	4.91		ug/L	5.000	ND	98.2	73-119			
1,2,4-Trichlorobenzene	5.08		ug/L	5.000	ND	102	78.1-116			
1,1,1-Trichloroethane	5.48		ug/L	5.000	ND	110	70.4-128			
1,1,2-Trichloroethane	4.76		ug/L	5.000	ND	95.2	74.8-121			
Trichloroethene	4.78		ug/L	5.000	ND	95.6	76.5-121			
Trichlorofluoromethane	6.34		ug/L	5.000	ND	127	61.3-136			
1,2,3-Trichloropropane	5.26		ug/L	5.000	ND	105	55-131			
1,1,2-Trichlorotrifluoroethane	6.02		ug/L	5.000	ND	120	70-130			
1,3,5-Trimethylbenzene	5.56		ug/L	5.000	ND	111	71.4-122			
1,2,4-Trimethylbenzene	5.65		ug/L	5.000	ND	113	68.5-120			
Vinyl chloride	5.81		ug/L	5.000	ND	116	54.1-132			
m,p-Xylene	10.7		ug/L	10.00	0.100	106	72.8-122			
o-Xylene	5.11		ug/L	5.000	ND	102	77.8-114			
Surrogate: Dibromofluoromethane	*26.8*		*ug/L*	*25.00*		*107*	*87.2-110*			
Surrogate: Toluene-d8	*25.2*		*ug/L*	*25.00*		*101*	*91.7-104*			
Surrogate: 4-Bromofluorobenzene	*26.1*		*ug/L*	*25.00*		*104*	*83.8-109*			
Matrix Spike Dup (A211032-MSD1)	**Source: A124522-02**		Prepared: 11/08/2012 Analyzed: 11/09/2012 15:31							
Acetone	62.1		ug/L	50.00	1.03	122	42.5-137	1.68	20	
Benzene	5.46		ug/L	5.000	0.170	106	67-130	2.88	20	
Bromobenzene	5.26		ug/L	5.000	ND	105	82.7-116	4.27	20	
Bromochloromethane	5.19		ug/L	5.000	ND	104	80.7-124	0.386	20	
Bromodichloromethane	4.44		ug/L	5.000	ND	88.8	72.9-120	3.10	20	
Bromoform	3.94		ug/L	5.000	ND	78.8	75.8-125	1.02	20	
2-Butanone	53.2		ug/L	50.00	ND	106	47.2-139	7.46	20	
n-Butyl Benzene	6.07		ug/L	5.000	ND	121	69.1-122	5.94	20	
sec-Butyl Benzene	5.88		ug/L	5.000	ND	118	75-119	2.76	20	
tert-Butylbenzene	5.84		ug/L	5.000	ND	117	73.7-119	7.46	20	
Carbon disulfide	5.27		ug/L	5.000	ND	105	70-130	8.51	20	
Carbon tetrachloride	5.03		ug/L	5.000	ND	101	66.2-134	1.81	20	
Chlorobenzene	5.13		ug/L	5.000	ND	103	86.4-115	0.391	20	
Chloroform	5.19		ug/L	5.000	ND	104	70.4-123	1.72	20	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211032 - EPA 5030B										
Matrix Spike Dup (A211032-MSD1)	**Source: A124522-02**		Prepared: 11/08/2012 Analyzed: 11/09/2012 15:31							
Chloromethane	5.59		ug/L	5.000	0.190	108	36.2-155	3.77	20	
2-Chlorotoluene	5.78		ug/L	5.000	ND	116	72.5-119	4.78	20	
4-Chlorotoluene	5.85		ug/L	5.000	ND	117	70.4-123	3.12	20	
1,2-Dibromo-3-chloropropane	3.96		ug/L	5.000	ND	79.2	48-136	5.64	20	
Dibromochloromethane	4.50		ug/L	5.000	ND	90.0	69.9-120	4.78	20	
1,2-Dibromoethane (EDB)	5.13		ug/L	5.000	ND	103	77.9-122	0.587	20	
Dibromomethane	4.91		ug/L	5.000	ND	98.2	80.4-120	8.20	20	
1,2-Dichlorobenzene	5.25		ug/L	5.000	ND	105	78.5-118	1.54	20	
1,4-Dichlorobenzene	5.48		ug/L	5.000	ND	110	80.1-117	3.72	20	
1,3-Dichlorobenzene	5.35		ug/L	5.000	ND	107	81.2-117	1.70	20	
Dichlorodifluoromethane	5.44		ug/L	5.000	ND	109	51.1-155	8.23	20	
1,1-Dichloroethane	5.61		ug/L	5.000	ND	112	66.1-134	1.24	20	
1,2-Dichloroethane	5.28		ug/L	5.000	ND	106	61.3-138	3.17	20	
trans-1,2-Dichloroethene	5.55		ug/L	5.000	ND	111	65.1-129	8.26	20	
cis-1,2-Dichloroethene	5.24		ug/L	5.000	ND	105	72.3-126	0.574	20	
1,1-Dichloroethene	5.91		ug/L	5.000	ND	118	67.4-126	4.95	20	
2,2-Dichloropropane	5.55		ug/L	5.000	ND	111	58.6-129	1.82	20	
1,2-Dichloropropane	5.07		ug/L	5.000	ND	101	76.2-122	5.75	20	
1,3-Dichloropropane	5.14		ug/L	5.000	ND	103	71.7-122	3.56	20	
cis-1,3-Dichloropropene	4.86		ug/L	5.000	ND	97.2	72.8-118	1.24	20	
trans-1,3-Dichloropropene	5.20		ug/L	5.000	ND	104	65.8-123	8.00	20	
1,1-Dichloropropene	5.31		ug/L	5.000	ND	106	70.8-124	1.50	20	
Diisopropyl Ether	5.14		ug/L	5.000	ND	103	70-130	4.37	20	
Ethylbenzene	5.57		ug/L	5.000	ND	111	74-119	3.10	20	
Hexachlorobutadiene	5.09		ug/L	5.000	ND	102	75.1-127	2.39	20	
n-Hexane	6.07		ug/L	5.000	0.290	116	70-130	5.33	20	
2-Hexanone	48.2		ug/L	50.00	ND	96.4	48-139	3.40	20	
Isopropylbenzene	5.67		ug/L	5.000	ND	113	72.7-124	5.43	20	
p-Isopropyltoluene	5.84		ug/L	5.000	ND	117	79.9-115	4.20	20	M
Methylene chloride	5.07		ug/L	5.000	0.490	91.6	67.5-128	12.7	20	
4-Methyl-2-pentanone	47.9		ug/L	50.00	ND	95.8	54.8-134	0.229	20	
Methyl t-Butyl Ether	5.12		ug/L	5.000	ND	102	70-130	0.196	20	
Naphthalene	4.47		ug/L	5.000	0.540	78.6	40.8-124	2.06	20	
n-Propyl Benzene	5.96		ug/L	5.000	ND	119	71.5-121	4.99	20	
Styrene	5.07		ug/L	5.000	ND	101	74-115	2.40	20	
1,1,1,2-Tetrachloroethane	4.87		ug/L	5.000	ND	97.4	83.2-116	1.03	20	
1,1,2,2-Tetrachloroethane	5.14		ug/L	5.000	ND	103	62.9-132	1.74	20	
Tetrachloroethene	5.14		ug/L	5.000	0.220	98.4	76.4-126	1.41	20	
Tetrahydrofuran	26.9		ug/L	25.00	ND	108	70-130	16.1	20	
Toluene	5.42		ug/L	5.000	0.460	99.2	77-121	0.810	20	
1,2,3-Trichlorobenzene	4.67		ug/L	5.000	ND	93.4	73-119	5.01	20	
1,2,4-Trichlorobenzene	4.95		ug/L	5.000	ND	99.0	78.1-116	2.59	20	
1,1,1-Trichloroethane	5.31		ug/L	5.000	ND	106	70.4-128	3.15	20	
1,1,2-Trichloroethane	4.60		ug/L	5.000	ND	92.0	74.8-121	3.42	20	
Trichloroethene	4.99		ug/L	5.000	ND	99.8	76.5-121	4.30	20	
Trichlorofluoromethane	6.05		ug/L	5.000	ND	121	61.3-136	4.68	20	

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Volatile Organic Compounds by Method 8260 - Purge and Trap - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A211032 - EPA 5030B										
Matrix Spike Dup (A211032-MSD1)	**Source: A124522-02**		Prepared: 11/08/2012 Analyzed: 11/09/2012 15:31							
1,2,3-Trichloropropane	5.24		ug/L	5.000	ND	105	55-131	0.381	20	
1,1,2-Trichlorotrifluoroethane	6.40		ug/L	5.000	ND	128	70-130	6.12	20	
1,3,5-Trimethylbenzene	5.79		ug/L	5.000	ND	116	71.4-122	4.05	20	
1,2,4-Trimethylbenzene	5.69		ug/L	5.000	ND	114	68.5-120	0.705	20	
Vinyl chloride	5.74		ug/L	5.000	ND	115	54.1-132	1.21	20	
m,p-Xylene	10.9		ug/L	10.00	0.100	108	72.8-122	2.34	20	
o-Xylene	5.09		ug/L	5.000	ND	102	77.8-114	0.392	20	
Surrogate: Dibromofluoromethane	*26.0*		*ug/L*	*25.00*		*104*	*87.2-110*			
Surrogate: Toluene-d8	*24.5*		*ug/L*	*25.00*		*98.2*	*91.7-104*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/L*	*25.00*		*103*	*83.8-109*			

2525 Advance Road
Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Revised Report

Natural Resource Technology Inc	Project: Former Wabash Alloys (Connell) - Oak Creek, WI	
23713 West Paul Road, Unit D	Project Number: 2095	**Reported:**
Pewaukee WI, 53072	Project Manager: Kate Juno	11/21/2012

Notes and Definitions

M	The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory control limits.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Environmental Chemistry Consulting Services, Inc.
2525 Advance Road
Madison, WI 53718
608-221-8700 (phone)
608-221-4889 (fax)

CHAIN OF CUSTODY

Lab Work Order #: A124522

Mail Report To: Kate Juno
Company: NRT
Address: 23713 W. Paul Rd , Unit D
Pewaukee, WI 53072
E-mail Address: kjuno@naturalrt.com
Invoice To: NRT Account'g
Company: NRT
Address: same

Project Number: 2095
Project Name: Former Wabash Alloys - Connell property
Project Location: Oak Creek, WI
Turn Around (check one): ☒ Normal ☐ 5 BDs ☐ 3 BDs ☐ 2 BDs ☐ 24 hrs
If Rush, Report Due Date:
Sampled By (Print): Rick Guenther

Preservation Codes
Analyses Requested

Sample Description	Collection Date	Collection Time	Matrix	Total # of Containers	PCBs method 8082	4-methyl-2 pentanone	Flash Point	Benzene			Comments	Lab ID	Lab Receipt Time
Wastewater 0910	11/1/2012	13:45	W		☒	☒	☒	☐	☐	☐		01	
Purge Water 060110	11/1/2012	14:00	W		☐	☐	☐	☒	☐	☐		02	
Trip Blank			S		☐	☒	☐	☒	☐	☐		03	
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			
			S		☐	☐	☐	☐	☐	☐			

Preservation Codes
A=None B=HCL C=H_2SO_4
D=HNO_3 E=EnCore F=Methanol
G=NaOH O=Other (Indicate)

Matrix Codes
A=Air S=Soil W=Water O=Other

Rush TAT Multipliers
5 Business Days = 1.5x
3 Business Days = 2x
2 Business Days = 2.25x
24 Hours = 2.5x
must be pre-arranged

Relinquished By: [signature] Date: 11/5/12 Time:
Received By: [signature] Date: 11-07-12 Time: 1030
Relinquished By: Date: Time:
Received By: Date: Time:

Custody Seal: ☐ Present ☒ Absent ☐ Intact ☐ Not Intact Seal #s:
Shipped Via: Dunham's
Receipt Temp: 1.0°C
Temp Blank: ☐ Y ☒ N

Download this form at www.eccsmobilelab.com

WHITE - REPORT COPY YELLOW - LABORATORY COPY PINK - SAMPLER/SUBMITTER Rev. 5/11

SIN 111642470
Exp. 07-01-13

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

November 14, 2012

Jessica Esser
ECCS
2525 Advance Road
Madison, WI 53718

RE: Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

Dear Jessica Esser:
Enclosed are the analytical results for sample(s) received by the laboratory on November 08, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Dan Milewsky

dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Jessica Esser, ECCS

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

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

SAMPLE SUMMARY

Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4070203001	**A124522-01**	Water	11/01/12 13:45	11/08/12 09:15

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

SAMPLE ANALYTE COUNT

Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4070203001	**A124522-01**	EPA 1010	DEY	1

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

ANALYTICAL RESULTS

Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

Sample: A124522-01 **Lab ID: 4070203001** Collected: 11/01/12 13:45 Received: 11/08/12 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010								
Flashpoint	**>210**	deg F			1		11/13/12 10:15		

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

QUALITY CONTROL DATA

Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

QC Batch: WET/13507
QC Batch Method: EPA 1010
Analysis Method: EPA 1010
Analysis Description: 1010 Flash Point, Closed Cup
Associated Lab Samples: 4070203001

LABORATORY CONTROL SAMPLE: 711275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Flashpoint	deg F		80.8			

SAMPLE DUPLICATE: 711447

Parameter	Units	10211815001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	146	148			1q

SAMPLE DUPLICATE: 711543

Parameter	Units	10211801001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	124	128			2q

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

QUALIFIERS

Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q	RPD 1.4
2q	RPD 3.2

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A124522 FMR WABASH ALLOYS-WI
Pace Project No.: 4070203

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4070203001	**A124522-01**	EPA 1010	WET/13507		

SUBCONTRACT ORDER

ECCS

A124522 EMW

4070203

SENDING LABORATORY:

ECCS
2525 Advance Road
Madison, WI 53718
Phone: 608.221.8700
Fax: 608,221,4889
Project Manager: Jessica Esser

RECEIVING LABORATORY:

Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302
Phone :(920) 469-2436
Fax: (920) 469-8827

Turn around Time: X Normal

Project Name: Former Wabash Alloys (Connell) - Oak Creek, WI _____ Rush

			Laboratory ID	Comments
Lab ID: A124522-01	**Water**	**Sampled: 11/01/2012 13:45**	001	1-250mlp A
Subcontracted Analysis - Pace				Flash Point
Containers Supplied:				
05_Client provided plastic				

Jessica Esser 11-07-12
Released By Date

Received By Date

Dunham 11/8/12 0915
Released By Date

Received By 11/8/12 0915
Date

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

Pace Analytical

Sample Condition Upon Receipt

Client Name: ECCS Project # 4070203

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

Tracking #:

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

Optional
Proj. Due Date:
Proj. Name:

Thermometer Used SR-13 Type of Ice: (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature 4° Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☒ yes ☐ no

Person examining contents:
Date: 11/8/12
Initials: JHT

Temp should be above freezing to 6°C for all sample except Biota.
Biota Samples should be received ≤ 0°C.

Comments:

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. no name or signature JHT 11/8/12
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☐Yes	☑No	☐N/A	9. Not received in amberglass Flashpoint EMH 11/8/12
-Pace Containers Used:	☐Yes	☑No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	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				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: CA for DM **Date:** 11/8/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-GB-C-031-Rev.00 (29Sept2011) SCUR Form

K2: Advanced Disposal IDW Soil Drum and Carbon Disposal

Table K2. IDW Soil and Carbon Documentation

Former Wabash Alloys
Connell Aluminum Properties, LLC

Waste Stream	Manifest #	Profile #	Qty	Unit	Hauler	Truck #	Disposal Location	Date Shipped	Date Received	Material Description	Material Location
Water Treatment Carbon & RMT Drum of Carbon											
Spent Carbon	1127711	EPL2013-126	3.32	TONS	North Shore	357	Emerald Park	8/20/2013	8/20/2013	Water Treatment Carbon	Carbon Vessels and RMT Drum
	Total Tonnage Disposed:		**3.32**	TONS							
Soil Cuttings (9 - 55 gal Drums) (1)											
Non-Hazardous Soil	1128844	EPL2013-125	15.8	TONS	Advanced Disposal	--	Emerald Park	8/29/2013	8/29/2013	Sludge and non TSCA soil cuttings	--
	Total Tonnage Disposed:		**15.8**	TONS							

Notes:
1. Soil cuttings (9 drums) and sawdust was mixed with sludge from the chlorine pit for stabilization prior to disposal. Contractor estimated that 3.5 tons of the 15.8 tons was the soil cuttings.

K3: EQ Wayne Disposal IDW TSCA Soil Drum Disposal

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WID045954641
2. Page 1 of: 1
3. Emergency Response Phone: [illegible]
4. Manifest Tracking Number: 000536833WAS

5. Generator's Name and Mailing Address:
Connell Aluminum Propertie LLC
One International Place
Boston , MA 02110
Generator's Phone: 919-303-1914

Generator's Site Address (if different than mailing address):
Connell Aluminum Properties LLC
9100 South 5th Ave
Oak Creek, WI 53154

6. Transporter 1 Company Name: HazChem Environmental Corporation — U.S. EPA ID Number: ILD984785238

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Wayne Disposal Inc Site #2 Landfill
49350 N I-94 Service Road, Belleville, MI
48111
Facility's Phone:
U.S. EPA ID Number: MID048090633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. UN3432, Polychlorinated Biphenyls Solid,9,PGII ERG#171	7	DM		K	PCB6
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

1)HI34143WD1/PCB Soil

Emergency Contact Julie Zimdars 262-719-4507 See PCB Continuation Sheet for unique container ID numbers and storage start sheets

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Ricky J Gwalther for Connell Aluminum Property — Signature: [signature] — Month / Day / Year

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name — Signature — Month / Day / Year
Transporter 2 Printed/Typed Name — Signature — Month / Day / Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month / Day / Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month / Day / Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL

HAZCHEM ENVIRONMENTAL CORPORATION
ENVIRONMENTAL MANAGEMENT & REMEDIATION SERVICES
1115 WEST NATIONAL AVENUE ADDISON, IL 60101 630-458-1910 FAX 630-458-1918

DATE 9-4-13 ORDER NO.
SALES REP: 75
P.O. NO.
MANIFEST NO. 0005J6833WAS

BILL TO Connell Aluminum Properties LLC
9100 South 5th Ave.
Oak Creek, WI 53154

SHIP TO

SPECIAL INSTRUCTIONS

SUPPLIES USED		OUTLET	PROFILE #	QUANTITY	SIZE	CATEGORY
	5 GAL STERI	EQ	H17641WDI	7	55	9
	5 GAL-OTP					
	15 GAL- OTP - CTP					
	30 GAL- OTP - CTP					
	55 GAL- OTP - CTP					
	15 GAL-CTS					
	30 GAL- OTS - CTS					
	55 GAL-OTS NEW					
	55 GAL-OTS (RECON)					
	55 GAL-CTS					
	85 GAL-OTS - OTP					
	30 GAL-OTF					
	55 GAL-OTF					
	4 FT. TUB					
	CUBIC YD. BOX					
	VERMICULITE					
PERSONNEL	HOURS					
C. Sroka	9:00AM-11:40AM					

GENERATOR ACKNOWLEDGEMENT: I hereby declare that the quantity and contents of this consignment are fully and accurately described. All items are packaged in accordance with DOT specification and drum integrity according to 49 CFR, Part 173, Subpart E and F. Customer agrees to pay a finance charge of 2% per month on past due balance until paid in full.

SIGNATURE [signature]

NAME (PRINT) Ricky Guenther for Connell Aluminum Properties TITLE Engineer DATE 9-4-13

***** Generator acknowledges by signature below that the original quotation was exceeded due to additional time and materials*****

SIGNATURE ____________________

NAME (PRINT) ____________________ TITLE ____________________ DATE ____________________