

**APPENDIX I**

**Connell Groundwater Laboratory Analytical Reports**

## **I1: June 2013 Groundwater Reports**



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
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26 June 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 06/11/2013.

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



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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
06/26/2013

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW801	A132406-01	Water	06/10/2013	06/11/2013
MW101	A132406-02	Water	06/10/2013	06/11/2013
MW802	A132406-03	Water	06/10/2013	06/11/2013
MW804	A132406-04	Water	06/10/2013	06/11/2013
MW117	A132406-05	Water	06/10/2013	06/11/2013
MW102	A132406-06	Water	06/10/2013	06/11/2013
MW104	A132406-07	Water	06/10/2013	06/11/2013
MW105	A132406-08	Water	06/10/2013	06/11/2013
MW803	A132406-09	Water	06/10/2013	06/11/2013
MW107	A132406-10	Water	06/10/2013	06/11/2013
MW108	A132406-11	Water	06/10/2013	06/11/2013
MW116	A132406-12	Water	06/10/2013	06/11/2013
MW111	A132406-13	Water	06/10/2013	06/11/2013
QC850	A132406-14	Water	06/10/2013	06/11/2013
P103	A132406-15	Water	06/11/2013	06/11/2013
P120	A132406-16	Water	06/11/2013	06/11/2013
MW805	A132406-17	Water	06/11/2013	06/11/2013
MW806	A132406-18	Water	06/11/2013	06/11/2013
P110	A132406-19	Water	06/11/2013	06/11/2013
P121	A132406-20	Water	06/11/2013	06/11/2013
MW115	A132406-21	Water	06/11/2013	06/11/2013



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Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
06/26/2013

**MW801**  
**A132406-01 (Water)**

Date Sampled  
06/10/2013 09:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 11:37	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

06/13/2013 06/13/2013 11:37

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

114 % 74.3-141

06/13/2013 06/13/2013 11:37

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	
<b>Barium</b>	<b>41.8</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	
<b>Copper</b>	<b>1.4</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	
<b>Nickel</b>	<b>1.2</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	J
<b>Selenium</b>	<b>10.2</b>	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	B, J
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	
<b>Zinc</b>	<b>3.3</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:34	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:19	EPA 7470	
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Natural Resource Technology Inc  
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW101**  
**A132406-02 (Water)**

Date Sampled  
 06/10/2013 10:10

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 12:58	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

06/13/2013 06/13/2013 12:58

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

113 % 74.3-141

06/13/2013 06/13/2013 12:58

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	
<b>Barium</b>	<b>179</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	
<b>Chromium</b>	<b>1.4</b>	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	J
<b>Copper</b>	<b>2.1</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	
<b>Nickel</b>	<b>5.4</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	
<b>Zinc</b>	<b>3.6</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:36	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:21	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW802**  
**A132406-03 (Water)**

Date Sampled  
 06/10/2013 10:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 13:25	EPA 8082A	

Surrogate: Decachlorobiphenyl

106 % 75.4-168

06/13/2013 06/13/2013 13:25

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

108 % 74.3-141

06/13/2013 06/13/2013 13:25

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

<b>Aluminum</b>	<b>204</b>	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	J
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	
<b>Barium</b>	<b>89.9</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	
<b>Copper</b>	<b>2.3</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	
<b>Nickel</b>	<b>1.9</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	
<b>Zinc</b>	<b>2.6</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:39	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:23	EPA 7470	
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW804**  
**A132406-04 (Water)**

Date Sampled  
 06/10/2013 10:55

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 13:52	EPA 8082A	

Surrogate: Decachlorobiphenyl

115 % 75.4-168

06/13/2013 06/13/2013 13:52

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

114 % 74.3-141

06/13/2013 06/13/2013 13:52

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

<b>Aluminum</b>	<b>109</b>	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	J
<b>Arsenic</b>	<b>8.4</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	J
<b>Barium</b>	<b>1710</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	
<b>Cadmium</b>	<b>0.80</b>	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	
<b>Copper</b>	<b>3.7</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	
<b>Nickel</b>	<b>5.2</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	
<b>Zinc</b>	<b>5.9</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:41	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:29	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW117**  
**A132406-05 (Water)**

Date Sampled  
 06/10/2013 12:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 14:19	EPA 8082A	

Surrogate: Decachlorobiphenyl

108 % 75.4-168

06/13/2013 06/13/2013 14:19

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

123 % 74.3-141

06/13/2013 06/13/2013 14:19

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

<b>Aluminum</b>	<b>82.0</b>	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	J
<b>Arsenic</b>	<b>4.3</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	J
<b>Barium</b>	<b>521</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	
<b>Cadmium</b>	<b>6.5</b>	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	
<b>Copper</b>	<b>30.3</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	
<b>Nickel</b>	<b>32.2</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	
<b>Selenium</b>	<b>9.3</b>	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	B, J
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	
<b>Zinc</b>	<b>69.0</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:46	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.20	0.40	ug/L	1	06/18/2013	06/19/2013 15:31	EPA 7470	D3
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Natural Resource Technology Inc  
 234 W. Florida Street, Fifth Floor  
 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW102**  
**A132406-06 (Water)**

Date Sampled  
 06/10/2013 13:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 14:46	EPA 8082A	

Surrogate: Decachlorobiphenyl

120 % 75.4-168

06/13/2013 06/13/2013 14:46

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

116 % 74.3-141

06/13/2013 06/13/2013 14:46

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

<b>Aluminum</b>	<b>710</b>	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
<b>Arsenic</b>	<b>4.9</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	J
<b>Barium</b>	<b>89.7</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
<b>Chromium</b>	<b>7.4</b>	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
<b>Copper</b>	<b>4.8</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
<b>Nickel</b>	<b>358</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	
<b>Zinc</b>	<b>21.5</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:50	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:33	EPA 7470	
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Natural Resource Technology Inc  
234 W. Florida Street, Fifth Floor  
Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
06/26/2013

**MW104**  
**A132406-07 (Water)**

Date Sampled  
06/10/2013 13:40

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 17:02	EPA 8082A	

Surrogate: Decachlorobiphenyl

107 % 75.4-168

06/13/2013 06/13/2013 17:02

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

101 % 74.3-141

06/13/2013 06/13/2013 17:02

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
<b>Barium</b>	<b>81.3</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
<b>Copper</b>	<b>4.4</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
<b>Nickel</b>	<b>13.7</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:52	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:35	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW105**  
**A132406-08 (Water)**

Date Sampled  
 06/10/2013 14:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 17:29	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl</i>			101 %	75.4-168		06/13/2013	06/13/2013 17:29	EPA 8082A	
<i>Surrogate: Tetrachloro-meta-xylene</i>			97.6 %	74.3-141		06/13/2013	06/13/2013 17:29	EPA 8082A	

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
<b>Barium</b>	<b>97.1</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
<b>Copper</b>	<b>1.7</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
<b>Nickel</b>	<b>18.8</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	
<b>Zinc</b>	<b>2.6</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:54	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:37	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW803**  
**A132406-09 (Water)**

Date Sampled  
 06/10/2013 14:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 17:56	EPA 8082A	

Surrogate: Decachlorobiphenyl

103 % 75.4-168

06/13/2013 06/13/2013 17:56

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

108 % 74.3-141

06/13/2013 06/13/2013 17:56

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

<b>Aluminum</b>	<b>115</b>	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	J
<b>Arsenic</b>	<b>7.6</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	J
<b>Barium</b>	<b>542</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	
<b>Cadmium</b>	<b>0.52</b>	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	
<b>Copper</b>	<b>2.9</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	
<b>Nickel</b>	<b>13.1</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	
<b>Zinc</b>	<b>20.0</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:57	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:39	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW107**  
**A132406-10 (Water)**

Date Sampled  
 06/10/2013 15:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 18:23	EPA 8082A	

Surrogate: Decachlorobiphenyl

95.6 % 75.4-168

06/13/2013 06/13/2013 18:23

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

98.0 % 74.3-141

06/13/2013 06/13/2013 18:23

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	
<b>Arsenic</b>	<b>8.4</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	J
<b>Barium</b>	<b>810</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	
<b>Cadmium</b>	<b>0.89</b>	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	
<b>Copper</b>	<b>2.8</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	
<b>Nickel</b>	<b>3.7</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	
<b>Zinc</b>	<b>4.5</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:59	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:41	EPA 7470	
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Natural Resource Technology Inc  
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW108**  
**A132406-11 (Water)**

Date Sampled  
 06/10/2013 15:20

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306056**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 18:50	EPA 8082A	

Surrogate: Decachlorobiphenyl

116 % 75.4-168

06/13/2013 06/13/2013 18:50

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

113 % 74.3-141

06/13/2013 06/13/2013 18:50

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	
<b>Arsenic</b>	<b>4.5</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	J
<b>Barium</b>	<b>75.0</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	
<b>Copper</b>	<b>1.4</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	
<b>Nickel</b>	<b>1.3</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	
<b>Zinc</b>	<b>3.7</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:02	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:43	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW116**  
**A132406-12 (Water)**

Date Sampled  
 06/10/2013 15:45

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 20:11	EPA 8082A	

Surrogate: Decachlorobiphenyl

106 % 75.4-168

06/13/2013 06/13/2013 20:11

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

106 % 74.3-141

06/13/2013 06/13/2013 20:11

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	
Arsenic	6.7	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	J
Barium	352	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	
Cadmium	0.49	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	J
Chromium	1.6	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	J
Copper	5.2	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	
Nickel	166	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	
Selenium	7.7	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	B, J
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 14:27	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:13	EPA 7470	
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Natural Resource Technology Inc  
 234 W. Florida Street, Fifth Floor  
 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW111**  
**A132406-13 (Water)**

Date Sampled  
 06/10/2013 16:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 23:21	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

06/13/2013 06/13/2013 23:21

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

111 % 74.3-141

06/13/2013 06/13/2013 23:21

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
<b>Barium</b>	<b>114</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
<b>Chromium</b>	<b>18.3</b>	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
<b>Copper</b>	<b>3.2</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
<b>Nickel</b>	<b>981</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	
<b>Zinc</b>	<b>10.2</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:04	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:46	EPA 7470	
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Natural Resource Technology Inc  
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**QC850**  
**A132406-14 (Water)**

Date Sampled  
 06/10/2013 00:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/13/2013 23:48	EPA 8082A	

Surrogate: Decachlorobiphenyl

110 % 75.4-168

06/13/2013 06/13/2013 23:48

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

115 % 74.3-141

06/13/2013 06/13/2013 23:48

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

<b>Aluminum</b>	<b>142</b>	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	J
<b>Arsenic</b>	<b>7.8</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	J
<b>Barium</b>	<b>1800</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	
<b>Copper</b>	<b>2.5</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	
<b>Nickel</b>	<b>4.9</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	
<b>Zinc</b>	<b>4.9</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:06	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:48	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**P103**  
**A132406-15 (Water)**

Date Sampled  
 06/11/2013 08:50

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/14/2013 00:15	EPA 8082A	
Surrogate: Decachlorobiphenyl			106 %	75.4-168		06/13/2013	06/14/2013 00:15	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			99.4 %	74.3-141		06/13/2013	06/14/2013 00:15	EPA 8082A	

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
<b>Barium</b>	<b>19.2</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
<b>Copper</b>	<b>3.8</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
<b>Nickel</b>	<b>0.90</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:08	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:54	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**P120**  
**A132406-16 (Water)**

Date Sampled  
 06/11/2013 09:25

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/14/2013 00:42	EPA 8082A	
Surrogate: Decachlorobiphenyl			92.6 %	75.4-168		06/13/2013	06/14/2013 00:42	EPA 8082A	
Surrogate: Tetrachloro-meta-xylene			89.9 %	74.3-141		06/13/2013	06/14/2013 00:42	EPA 8082A	

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
<b>Barium</b>	<b>21.9</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
Copper	ND	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
<b>Nickel</b>	<b>3.0</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	
<b>Zinc</b>	<b>3.7</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:11	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:56	EPA 7470	
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234 W. Florida Street, Fifth Floor  
Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
06/26/2013

**MW805**  
**A132406-17 (Water)**

Date Sampled  
06/11/2013 09:40

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/14/2013 01:10	EPA 8082A	

Surrogate: Decachlorobiphenyl

111 % 75.4-168

06/13/2013 06/14/2013 01:10

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

120 % 74.3-141

06/13/2013 06/14/2013 01:10

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	
<b>Arsenic</b>	<b>7.3</b>	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	J
<b>Barium</b>	<b>360</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	
<b>Copper</b>	<b>2.6</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	
<b>Nickel</b>	<b>4.6</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	
<b>Zinc</b>	<b>4.5</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:17	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 15:58	EPA 7470	
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW806**  
**A132406-18 (Water)**

Date Sampled  
 06/11/2013 10:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/14/2013 01:37	EPA 8082A	

Surrogate: Decachlorobiphenyl

106 % 75.4-168

06/13/2013 06/14/2013 01:37

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

99.9 % 74.3-141

06/13/2013 06/14/2013 01:37

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

<b>Aluminum</b>	<b>204</b>	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	J
<b>Arsenic</b>	<b>15.4</b>	8.4	40.0	ug/L	2	06/14/2013	06/14/2013 16:30	EPA 6010	D3, J
<b>Barium</b>	<b>3290</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	
<b>Cadmium</b>	<b>1.4</b>	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	
<b>Copper</b>	<b>5.1</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	
<b>Nickel</b>	<b>30.3</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	
<b>Zinc</b>	<b>72.6</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:19	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 16:00	EPA 7470	
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2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
06/26/2013

**P110**  
**A132406-19 (Water)**

Date Sampled  
06/11/2013 10:20

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/14/2013 02:04	EPA 8082A	

Surrogate: Decachlorobiphenyl

113 % 75.4-168

06/13/2013 06/14/2013 02:04

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

112 % 74.3-141

06/13/2013 06/14/2013 02:04

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
<b>Barium</b>	<b>57.9</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
Copper	ND	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
<b>Nickel</b>	<b>2.4</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	
<b>Zinc</b>	<b>9.0</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:22	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 16:02	EPA 7470	
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Natural Resource Technology Inc  
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**P121**  
**A132406-20 (Water)**

Date Sampled  
 06/11/2013 10:35

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/14/2013 02:31	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

06/13/2013 06/14/2013 02:31

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

110 % 74.3-141

06/13/2013 06/14/2013 02:31

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8623**

Aluminum	ND	71.4	500	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
<b>Barium</b>	<b>30.6</b>	1.1	5.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
<b>Copper</b>	<b>5.1</b>	1.3	10.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
<b>Nickel</b>	<b>5.5</b>	0.61	10.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	
<b>Zinc</b>	<b>24.6</b>	2.4	40.0	ug/L	1	06/14/2013	06/14/2013 15:24	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3706**

Mercury	ND	0.10	0.20	ug/L	1	06/18/2013	06/19/2013 16:04	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**MW115**  
**A132406-21 (Water)**

Date Sampled  
 06/11/2013 11:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A306057**

PCB-1016	ND	0.070	0.10	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	06/13/2013	06/14/2013 02:58	EPA 8082A	

Surrogate: Decachlorobiphenyl

119 % 75.4-168

06/13/2013 06/14/2013 02:58

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

112 % 74.3-141

06/13/2013 06/14/2013 02:58

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8634**

Aluminum	ND	71.4	500	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	
<b>Arsenic</b>	<b>5.3</b>	4.2	20.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	J
<b>Barium</b>	<b>141</b>	1.1	5.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	
<b>Copper</b>	<b>3.6</b>	1.3	10.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	
<b>Nickel</b>	<b>7.7</b>	0.61	10.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	06/17/2013	06/18/2013 12:38	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3709**

Mercury	ND	0.10	0.20	ug/L	1	06/19/2013	06/20/2013 10:49	EPA 7470	
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Natural Resource Technology Inc  
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**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
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**Batch A306056 - EPA 3511**

<b>Blank (A306056-BLK1)</b>										
Prepared: 06/13/2013 Analyzed: 06/13/2013 11:10										
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	1.72		ug/L	1.500		115	75.4-168			
Surrogate: Tetrachloro-meta-xylene	1.65		ug/L	1.500		110	74.3-141			

<b>LCS (A306056-BS1)</b>										
Prepared: 06/13/2013 Analyzed: 06/13/2013 10:43										
PCB-1248	27.1	0.10	ug/L	25.00		108	70-130			
Surrogate: Decachlorobiphenyl	1.55		ug/L	1.500		104	75.4-168			
Surrogate: Tetrachloro-meta-xylene	1.50		ug/L	1.500		100	74.3-141			

<b>Matrix Spike (A306056-MS1)</b>										
Source: A132406-01 Prepared: 06/13/2013 Analyzed: 06/13/2013 12:04										
PCB-1248	58.6	0.20	ug/L	50.00	ND	117	60-140			
Surrogate: Decachlorobiphenyl	3.16		ug/L	3.000		105	75.4-168			
Surrogate: Tetrachloro-meta-xylene	3.09		ug/L	3.000		103	74.3-141			

<b>Matrix Spike Dup (A306056-MSD1)</b>										
Source: A132406-01 Prepared: 06/13/2013 Analyzed: 06/13/2013 12:31										
PCB-1248	60.5	0.20	ug/L	50.00	ND	121	60-140	3.06	20	
Surrogate: Decachlorobiphenyl	3.53		ug/L	3.000		118	75.4-168			
Surrogate: Tetrachloro-meta-xylene	3.32		ug/L	3.000		111	74.3-141			

**Batch A306057 - EPA 3511**

<b>Blank (A306057-BLK1)</b>										
Prepared: 06/13/2013 Analyzed: 06/13/2013 19:44										
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	1.67		ug/L	1.500		111	75.4-168			
Surrogate: Tetrachloro-meta-xylene	1.63		ug/L	1.500		109	74.3-141			



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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 06/26/2013

**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
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**Batch A306057 - EPA 3511**

**LCS (A306057-BS1)**

Prepared: 06/13/2013 Analyzed: 06/13/2013 19:17

PCB-1248	32.1	0.10	ug/L	25.00		128	70-130			
Surrogate: Decachlorobiphenyl	1.72		ug/L	1.500		114	75.4-168			
Surrogate: Tetrachloro-meta-xylene	1.72		ug/L	1.500		115	74.3-141			

**Matrix Spike (A306057-MS1)**

Source: A132406-12

Prepared: 06/13/2013 Analyzed: 06/13/2013 20:38

PCB-1248	29.9	0.10	ug/L	25.00	ND	120	60-140			
Surrogate: Decachlorobiphenyl	1.70		ug/L	1.500		113	75.4-168			
Surrogate: Tetrachloro-meta-xylene	1.63		ug/L	1.500		109	74.3-141			

**Matrix Spike Dup (A306057-MSD1)**

Source: A132406-12

Prepared: 06/13/2013 Analyzed: 06/13/2013 21:06

PCB-1248	30.4	0.10	ug/L	25.00	ND	122	60-140	1.65	20	
Surrogate: Decachlorobiphenyl	1.71		ug/L	1.500		114	75.4-168			
Surrogate: Tetrachloro-meta-xylene	1.67		ug/L	1.500		111	74.3-141			



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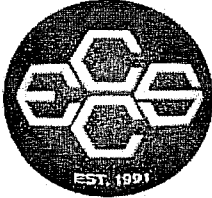
Natural Resource Technology Inc  
234 W. Florida Street, Fifth Floor  
Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
06/26/2013

### Notes and Definitions

- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- 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.
- 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** COL# 2095730610002B

Project Number: 2095		Lab Work Order #: <b>A132406</b>		Mail Report To: Jody Barbeau																					
Project Name: Former Wabash Alloys - Connell property		Preservation Codes		Company: NRT																					
Project Location: Oak Creek, WI		Analyses Requested		Address: 23713 W. Paul Rd , Unit D																					
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Matrix</th> <th>Total # of Containers</th> <th>PCBs method 8082</th> <th>Metals *</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Matrix	Total # of Containers	PCBs method 8082	Metals *																	E-mail Address: jbarbeau@naturalrt.com	
Matrix	Total # of Containers			PCBs method 8082	Metals *																				
If Rush, Report Due Date:		Invoice To: Tracy Summit (tsummit@naturalrt.com)		Company: NRT																					
Sampled By (Print): Ricky J Guenther Jr. <i>RJG</i>		Address: same		Address: same																					
Sample Description	Collection		Matrix	Total # of Containers	PCBs method 8082	Metals *					Comments	Lab ID	Lab Receipt Time												
	Date	Time																							
MW 801	6/10/13	0930	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* Arsenic, barium, cadmium, chromium, lead, mercury,	01													
MW 101		1010	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	selenium, silver, aluminum,	02													
MW 802 ①		1030	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Copper, nickel, zinc	03	Order time 1038												
MW 804		1055	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		04													
MW 117		1200	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		05													
MW 102		1315	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		06													
MW 104		1340	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		07													
MW 105		1405	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		08													
MW 803		1430	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		09													
MW 107	6/10/13	1500	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		10													
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Rush TAT Multipliers</b> 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>RJG</i>		Date: 6/11/13		Time:		Received By: <i>Jody Barbeau</i>		Date: 6/11/13		Time: 12:47											
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Custody Seal: <input checked="" type="checkbox"/> Present <input checked="" type="checkbox"/> Absent <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		Seal #s:		Shipped Via:		Receipt Temp: 116 42470		Temp Blank: <input checked="" type="checkbox"/> N															



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

CCA  
**CHAIN OF CUSTODY** 2095 130610001A

Project Number: 2095				Lab Work Order #: A132406				Mail Report To: Jody Barbeau							
Project Name: Former Wabash Alloys - Connell property				Preservation Codes				Company: NRT							
Project Location: Oak Creek, WI				Analyses Requested				Address: 23713 W. Paul Rd , Unit D							
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				Matrix Total # of Containers PCBs method 8082 Metals *				Invoice To: Tracy Summit (tsummit@naturalrt.com)							
If Rush, Report Due Date: Metals normal turn								Company: NRT							
Sampled By (Print): Ricky J Guenther Jr. <i>RJG</i>								Address: same							
Sample Description		Collection		Matrix	Total # of Containers	PCBs method 8082	Metals *				Comments	Lab ID	Lab Receipt Time		
		Date	Time												
MW108		6/10/13	1520	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		11			
MW116		6/10/13	1545	S	6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	additional bottles for lab use labeled w/MS or MSO	12			
MW111		6/10/13	1615	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		13			
QC 850		6/10/13	—	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	*Arsenic, barium, Cadmium, chromium, lead, mercury	14			
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	chromium, lead, mercury				
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sebenium, silver, Manganese, copper, nickel, zinc				
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate) <b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		<b>Rush TAT Multipliers</b> 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Relinquished By:		Date: 6/11/13 Date:		Time: Time:		Received By: <i>[Signature]</i> Received By:		Date: 6/11/13 Date:		Time: 1949 Time:	
Custody Seal: <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s:				Shipped Via:		Receipt Temp: 7.8°C		Temp Blank: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			



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 Madison, WI 53718  
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# CHAIN OF CUSTODY

*CO# 209513061001c*

Project Number: 2095				Lab Work Order #: <b>A 132406</b>				Mail Report To: Jody Barbeau																			
Project Name: Former Wabash Alloys - Connell property				Preservation Codes				Company: NRT 234 W. Florida Street																			
Project Location: Oak Creek, WI				Analyses Requested				Address: 23713 W. Paul Rd., Unit D 5 <sup>th</sup> Floor Milwaukee Pewaukee, WI 53072 WI 53204																			
Turn Around (check one): <input type="checkbox"/> Normal <input checked="" type="checkbox"/> 5 BDs <input type="checkbox"/> 3 BDs <input type="checkbox"/> 2 BDs <input type="checkbox"/> 24 hrs				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">Matrix</td> <td style="width:10%;">Total # of Containers</td> <td style="width:10%;">PCBs method 8082</td> <td style="width:10%;">Metals *</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Matrix	Total # of Containers	PCBs method 8082	Metals *													E-mail Address: jbarbeau@naturalrt.com			
Matrix	Total # of Containers	PCBs method 8082	Metals *																								
If Rush, Report Due Date: <i>Metals Normal</i>				Invoice To: Tracy Summit (tsummit@naturalrt.com)				Company: NRT																			
Sampled By (Print): Ricky J Guenther Jr.								Address: same																			
Sample Description		Collection						Comments		Lab ID		Lab Receipt Time															
		Date	Time																								
P103		6/11/13	0850	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	* Arsenic, barium, cadmium		15													
P120			0925	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chromium, lead, mercury, selenium, silver, aluminum		16													
MW 805			0940	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Copper, nickel, zinc		17													
MW 806			1000	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			18													
P110			1020	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			19													
P121			1035	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			20													
MW115		6/11/13	1130	S	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			21													
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
				S		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
<b>Preservation Codes</b> A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)		<b>Rush TAT Multipliers</b> 5 Business Days = 1.5x 3 Business Days = 2x 2 Business Days = 2.25x 24 Hours = 2.5x *must be pre-arranged*		Relinquished By: <i>[Signature]</i> Relinquished By:				Date: 6/11/13 Date:		Time: Time:		Received By: <i>[Signature]</i> Received By:		Date: 6/11/13 Date:		Time: 1947 Time:											
<b>Matrix Codes</b> A=Air S=Soil W=Water O=Other		Custody Seal: <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent <input type="checkbox"/> Intact <input type="checkbox"/> Not Intact				Seal #s:		Shipped Via:		Receipt Temp: 78C Temp Blank:		<input type="checkbox"/> N															

**I2: July 2013 Groundwater Reports**



June 26, 2013

Jessica Esser  
ECCS  
2525 Advance Road  
Madison, WI 53718

RE: Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on June 13, 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



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

---

### 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

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### SAMPLE SUMMARY

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4079557001	A132406-01	Water	06/10/13 09:30	06/13/13 09:17
4079557002	A132406-02	Water	06/10/13 10:10	06/13/13 09:17
4079557003	A132406-03	Water	06/10/13 10:30	06/13/13 09:17
4079557004	A132406-04	Water	06/10/13 10:55	06/13/13 09:17
4079557005	A132406-05	Water	06/10/13 12:00	06/13/13 09:17
4079557006	A132406-06	Water	06/10/13 13:15	06/13/13 09:17
4079557007	A132406-07	Water	06/10/13 13:40	06/13/13 09:17
4079557008	A132406-08	Water	06/10/13 14:05	06/13/13 09:17
4079557009	A132406-09	Water	06/10/13 14:30	06/13/13 09:17
4079557010	A132406-10	Water	06/10/13 15:00	06/13/13 09:17
4079557011	A132406-11	Water	06/10/13 15:20	06/13/13 09:17
4079557012	A132406-12	Water	06/10/13 15:45	06/13/13 09:17
4079557013	A132406-13	Water	06/10/13 16:15	06/13/13 09:17
4079557014	A132406-14	Water	06/10/13 00:00	06/13/13 09:17
4079557015	A132406-15	Water	06/11/13 08:50	06/13/13 09:17
4079557016	A132406-16	Water	06/11/13 09:25	06/13/13 09:17
4079557017	A132406-17	Water	06/11/13 09:40	06/13/13 09:17
4079557018	A132406-18	Water	06/11/13 10:00	06/13/13 09:17
4079557019	A132406-19	Water	06/11/13 10:20	06/13/13 09:17
4079557020	A132406-20	Water	06/11/13 10:35	06/13/13 09:17
4079557021	A132406-21	Water	06/11/13 11:30	06/13/13 09:17

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### SAMPLE ANALYTE COUNT

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4079557001	A132406-01	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557002	A132406-02	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557003	A132406-03	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557004	A132406-04	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557005	A132406-05	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557006	A132406-06	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557007	A132406-07	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557008	A132406-08	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557009	A132406-09	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557010	A132406-10	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557011	A132406-11	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557012	A132406-12	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557013	A132406-13	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557014	A132406-14	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557015	A132406-15	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557016	A132406-16	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557017	A132406-17	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557018	A132406-18	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4079557019	A132406-19	EPA 6010	MMZ	11

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4079557020	A132406-20	EPA 7470	CMS	1
		EPA 6010	MMZ	11
4079557021	A132406-21	EPA 7470	CMS	1
		EPA 6010	DLB	11
		EPA 7470	CMS	1

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-01**      **Lab ID: 4079557001**      Collected: 06/10/13 09:30      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:34	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:34	7440-38-2	
Barium	41.8	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:34	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:34	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:34	7440-47-3	
Copper	1.4J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:34	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:34	7439-92-1	
Nickel	1.2J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:34	7440-02-0	
Selenium	10.2J	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:34	7782-49-2	B
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:34	7440-22-4	
Zinc	3.3J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:34	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:19	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-02**      **Lab ID: 4079557002**      Collected: 06/10/13 10:10      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:36	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:36	7440-38-2	
Barium	179	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:36	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:36	7440-43-9	
Chromium	1.4J	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:36	7440-47-3	
Copper	2.1J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:36	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:36	7439-92-1	
Nickel	5.4J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:36	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:36	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:36	7440-22-4	
Zinc	3.6J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:36	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:21	7439-97-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

**Sample: A132406-03**      **Lab ID: 4079557003**      Collected: 06/10/13 10:30      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>204J</b>	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:39	7429-90-5	
Arsenic	<b>&lt;4.2</b>	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:39	7440-38-2	
Barium	<b>89.9</b>	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:39	7440-39-3	
Cadmium	<b>&lt;0.48</b>	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:39	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:39	7440-47-3	
Copper	<b>2.3J</b>	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:39	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:39	7439-92-1	
Nickel	<b>1.9J</b>	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:39	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:39	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:39	7440-22-4	
Zinc	<b>2.6J</b>	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:39	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:23	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-04**      **Lab ID: 4079557004**      Collected: 06/10/13 10:55      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>109J</b>	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:41	7429-90-5	
Arsenic	<b>8.4J</b>	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:41	7440-38-2	
Barium	<b>1710</b>	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:41	7440-39-3	
Cadmium	<b>0.80J</b>	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:41	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:41	7440-47-3	
Copper	<b>3.7J</b>	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:41	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:41	7439-92-1	
Nickel	<b>5.2J</b>	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:41	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:41	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:41	7440-22-4	
Zinc	<b>5.9J</b>	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:41	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:29	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-05**      **Lab ID: 4079557005**      Collected: 06/10/13 12:00      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010      Preparation Method: EPA 3010							
Aluminum	<b>82.0J</b>	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:46	7429-90-5	
Arsenic	<b>4.3J</b>	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:46	7440-38-2	
Barium	<b>521</b>	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:46	7440-39-3	
Cadmium	<b>6.5</b>	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:46	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:46	7440-47-3	
Copper	<b>30.3</b>	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:46	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:46	7439-92-1	
Nickel	<b>32.2</b>	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:46	7440-02-0	
Selenium	<b>9.3J</b>	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:46	7782-49-2	B
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:46	7440-22-4	
Zinc	<b>69.0</b>	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:46	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470      Preparation Method: EPA 7470							
Mercury	<b>&lt;0.20</b>	ug/L	0.40	0.20	1	06/18/13 14:25	06/19/13 15:31	7439-97-6	D3

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-06**      **Lab ID: 4079557006**      Collected: 06/10/13 13:15      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	<b>710</b>	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:50	7429-90-5	
Arsenic	<b>4.9J</b>	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:50	7440-38-2	
Barium	<b>89.7</b>	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:50	7440-39-3	
Cadmium	<b>&lt;0.48</b>	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:50	7440-43-9	
Chromium	<b>7.4</b>	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:50	7440-47-3	
Copper	<b>4.8J</b>	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:50	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:50	7439-92-1	
Nickel	<b>358</b>	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:50	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:50	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:50	7440-22-4	
Zinc	<b>21.5J</b>	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:50	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:33	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

**Sample: A132406-07**      **Lab ID: 4079557007**      Collected: 06/10/13 13:40      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:52	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:52	7440-38-2	
Barium	81.3	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:52	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:52	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:52	7440-47-3	
Copper	4.4J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:52	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:52	7439-92-1	
Nickel	13.7	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:52	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:52	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:52	7440-22-4	
Zinc	<2.4	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:52	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:35	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-08**      **Lab ID: 4079557008**      Collected: 06/10/13 14:05      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:54	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:54	7440-38-2	
Barium	97.1	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:54	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:54	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:54	7440-47-3	
Copper	1.7J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:54	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:54	7439-92-1	
Nickel	18.8	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:54	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:54	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:54	7440-22-4	
Zinc	2.6J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:54	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:37	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-09**      **Lab ID: 4079557009**      Collected: 06/10/13 14:30      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>115J</b>	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:57	7429-90-5	
Arsenic	<b>7.6J</b>	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:57	7440-38-2	
Barium	<b>542</b>	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:57	7440-39-3	
Cadmium	<b>0.52J</b>	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:57	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:57	7440-47-3	
Copper	<b>2.9J</b>	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:57	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:57	7439-92-1	
Nickel	<b>13.1</b>	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:57	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:57	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:57	7440-22-4	
Zinc	<b>20.0J</b>	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:57	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:39	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-10**      **Lab ID: 4079557010**      Collected: 06/10/13 15:00      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010      Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:59	7429-90-5	
Arsenic	8.4J	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:59	7440-38-2	
Barium	810	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:59	7440-39-3	
Cadmium	0.89J	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:59	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:59	7440-47-3	
Copper	2.8J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:59	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:59	7439-92-1	
Nickel	3.7J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:59	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:59	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:59	7440-22-4	
Zinc	4.5J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:59	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470      Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:41	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-11**      **Lab ID: 4079557011**      Collected: 06/10/13 15:20      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:02	7429-90-5	
Arsenic	4.5J	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:02	7440-38-2	
Barium	75.0	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:02	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:02	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:02	7440-47-3	
Copper	1.4J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:02	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:02	7439-92-1	
Nickel	1.3J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:02	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:02	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:02	7440-22-4	
Zinc	3.7J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:02	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:43	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

**Sample: A132406-12**      **Lab ID: 4079557012**      Collected: 06/10/13 15:45      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010      Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 14:27	7429-90-5	
Arsenic	6.7J	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 14:27	7440-38-2	
Barium	352	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 14:27	7440-39-3	
Cadmium	0.49J	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 14:27	7440-43-9	
Chromium	1.6J	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 14:27	7440-47-3	
Copper	5.2J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 14:27	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 14:27	7439-92-1	
Nickel	166	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 14:27	7440-02-0	
Selenium	7.7J	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 14:27	7782-49-2	B
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 14:27	7440-22-4	
Zinc	<2.4	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 14:27	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470      Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:13	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-13**      **Lab ID: 4079557013**      Collected: 06/10/13 16:15      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:04	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:04	7440-38-2	
Barium	114	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:04	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:04	7440-43-9	
Chromium	18.3	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:04	7440-47-3	
Copper	3.2J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:04	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:04	7439-92-1	
Nickel	981	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:04	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:04	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:04	7440-22-4	
Zinc	10.2J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:04	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:46	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-14**      **Lab ID: 4079557014**      Collected: 06/10/13 00:00      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>142J</b>	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:06	7429-90-5	
Arsenic	<b>7.8J</b>	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:06	7440-38-2	
Barium	<b>1800</b>	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:06	7440-39-3	
Cadmium	<b>&lt;0.48</b>	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:06	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:06	7440-47-3	
Copper	<b>2.5J</b>	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:06	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:06	7439-92-1	
Nickel	<b>4.9J</b>	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:06	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:06	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:06	7440-22-4	
Zinc	<b>4.9J</b>	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:06	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:48	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-15**      **Lab ID: 4079557015**      Collected: 06/11/13 08:50      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:08	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:08	7440-38-2	
Barium	19.2	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:08	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:08	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:08	7440-47-3	
Copper	3.8J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:08	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:08	7439-92-1	
Nickel	0.90J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:08	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:08	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:08	7440-22-4	
Zinc	<2.4	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:08	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:54	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-16**      **Lab ID: 4079557016**      Collected: 06/11/13 09:25      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:11	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:11	7440-38-2	
Barium	21.9	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:11	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:11	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:11	7440-47-3	
Copper	<1.3	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:11	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:11	7439-92-1	
Nickel	3.0J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:11	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:11	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:11	7440-22-4	
Zinc	3.7J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:11	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:56	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-17**      **Lab ID: 4079557017**      Collected: 06/11/13 09:40      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:17	7429-90-5	
Arsenic	7.3J	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:17	7440-38-2	
Barium	360	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:17	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:17	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:17	7440-47-3	
Copper	2.6J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:17	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:17	7439-92-1	
Nickel	4.6J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:17	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:17	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:17	7440-22-4	
Zinc	4.5J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:17	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 15:58	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-18**      **Lab ID: 4079557018**      Collected: 06/11/13 10:00      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>204J</b>	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:19	7429-90-5	
Arsenic	<b>15.4J</b>	ug/L	40.0	8.4	2	06/14/13 08:25	06/14/13 16:30	7440-38-2	D3
Barium	<b>3290</b>	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:19	7440-39-3	
Cadmium	<b>1.4J</b>	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:19	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:19	7440-47-3	
Copper	<b>5.1J</b>	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:19	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:19	7439-92-1	
Nickel	<b>30.3</b>	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:19	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:19	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:19	7440-22-4	
Zinc	<b>72.6</b>	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:19	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 16:00	7439-97-6	

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## ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-19**      **Lab ID: 4079557019**      Collected: 06/11/13 10:20      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:22	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:22	7440-38-2	
Barium	57.9	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:22	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:22	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:22	7440-47-3	
Copper	<1.3	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:22	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:22	7439-92-1	
Nickel	2.4J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:22	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:22	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:22	7440-22-4	
Zinc	9.0J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:22	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 16:02	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-20**      **Lab ID: 4079557020**      Collected: 06/11/13 10:35      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/14/13 08:25	06/14/13 15:24	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	06/14/13 08:25	06/14/13 15:24	7440-38-2	
Barium	30.6	ug/L	5.0	1.1	1	06/14/13 08:25	06/14/13 15:24	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/14/13 08:25	06/14/13 15:24	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/14/13 08:25	06/14/13 15:24	7440-47-3	
Copper	5.1J	ug/L	10.0	1.3	1	06/14/13 08:25	06/14/13 15:24	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/14/13 08:25	06/14/13 15:24	7439-92-1	
Nickel	5.5J	ug/L	10.0	0.61	1	06/14/13 08:25	06/14/13 15:24	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/14/13 08:25	06/14/13 15:24	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/14/13 08:25	06/14/13 15:24	7440-22-4	
Zinc	24.6J	ug/L	40.0	2.4	1	06/14/13 08:25	06/14/13 15:24	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/18/13 14:25	06/19/13 16:04	7439-97-6	

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### ANALYTICAL RESULTS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

**Sample: A132406-21**      **Lab ID: 4079557021**      Collected: 06/11/13 11:30      Received: 06/13/13 09:17      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	06/17/13 09:20	06/18/13 12:38	7429-90-5	
Arsenic	5.3J	ug/L	20.0	4.2	1	06/17/13 09:20	06/18/13 12:38	7440-38-2	
Barium	141	ug/L	5.0	1.1	1	06/17/13 09:20	06/18/13 12:38	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	06/17/13 09:20	06/18/13 12:38	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	06/17/13 09:20	06/18/13 12:38	7440-47-3	
Copper	3.6J	ug/L	10.0	1.3	1	06/17/13 09:20	06/18/13 12:38	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	06/17/13 09:20	06/18/13 12:38	7439-92-1	
Nickel	7.7J	ug/L	10.0	0.61	1	06/17/13 09:20	06/18/13 12:38	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	06/17/13 09:20	06/18/13 12:38	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	06/17/13 09:20	06/18/13 12:38	7440-22-4	
Zinc	<2.4	ug/L	40.0	2.4	1	06/17/13 09:20	06/18/13 12:38	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	06/19/13 15:44	06/20/13 10:49	7439-97-6	

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**QUALITY CONTROL DATA**

Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

QC Batch: MERP/3706 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 4079557001, 4079557002, 4079557003, 4079557004, 4079557005, 4079557006, 4079557007, 4079557008, 4079557009, 4079557010, 4079557011, 4079557012, 4079557013, 4079557014, 4079557015, 4079557016, 4079557017, 4079557018, 4079557019, 4079557020

METHOD BLANK: 810020 Matrix: Water  
Associated Lab Samples: 4079557001, 4079557002, 4079557003, 4079557004, 4079557005, 4079557006, 4079557007, 4079557008, 4079557009, 4079557010, 4079557011, 4079557012, 4079557013, 4079557014, 4079557015, 4079557016, 4079557017, 4079557018, 4079557019, 4079557020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	06/19/13 15:08	

LABORATORY CONTROL SAMPLE: 810021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	99	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 810022 810023

Parameter	Units	4079557012 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	4.5	4.5	90	90	85-115	0	20	

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### QUALITY CONTROL DATA

Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

QC Batch: MERP/3709 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 4079557021

METHOD BLANK: 810688 Matrix: Water  
Associated Lab Samples: 4079557021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	06/20/13 10:31	

LABORATORY CONTROL SAMPLE: 810689

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	4.9	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 810690 810691

Parameter	Units	4079664001		MS	MSD	MS	MSD	MS	MSD	% Rec	Max		
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual
Mercury	ug/L	<0.10	5	5	5	4.9	4.7	98	94	85-115	4	20	

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**QUALITY CONTROL DATA**

Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

QC Batch: MPRP/8623 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
Associated Lab Samples: 4079557001, 4079557002, 4079557003, 4079557004, 4079557005, 4079557006, 4079557007, 4079557008, 4079557009, 4079557010, 4079557011, 4079557012, 4079557013, 4079557014, 4079557015, 4079557016, 4079557017, 4079557018, 4079557019, 4079557020

METHOD BLANK: 808048 Matrix: Water

Associated Lab Samples: 4079557001, 4079557002, 4079557003, 4079557004, 4079557005, 4079557006, 4079557007, 4079557008, 4079557009, 4079557010, 4079557011, 4079557012, 4079557013, 4079557014, 4079557015, 4079557016, 4079557017, 4079557018, 4079557019, 4079557020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<71.4	500	06/14/13 14:23	
Arsenic	ug/L	<4.2	20.0	06/14/13 14:23	
Barium	ug/L	<1.1	5.0	06/14/13 14:23	
Cadmium	ug/L	<0.48	5.0	06/14/13 14:23	
Chromium	ug/L	<1.4	5.0	06/14/13 14:23	
Copper	ug/L	<1.3	10.0	06/14/13 14:23	
Lead	ug/L	<2.7	7.5	06/14/13 14:23	
Nickel	ug/L	<0.61	10.0	06/14/13 14:23	
Selenium	ug/L	6.4J	20.0	06/14/13 14:23	
Silver	ug/L	<1.7	10.0	06/14/13 14:23	
Zinc	ug/L	<2.4	40.0	06/14/13 14:23	

LABORATORY CONTROL SAMPLE: 808049

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5110	102	80-120	
Arsenic	ug/L	500	500	100	80-120	
Barium	ug/L	500	505	101	80-120	
Cadmium	ug/L	500	493	99	80-120	
Chromium	ug/L	500	500	100	80-120	
Copper	ug/L	500	496	99	80-120	
Lead	ug/L	500	498	100	80-120	
Nickel	ug/L	500	509	102	80-120	
Selenium	ug/L	500	508	102	80-120	
Silver	ug/L	250	246	98	80-120	
Zinc	ug/L	500	514	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 808050 808051

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		4079557012 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Aluminum	ug/L	<71.4	5000	5000	5260	5180	104	102	75-125	1	20	
Arsenic	ug/L	6.7J	500	500	510	510	101	101	75-125	0	20	
Barium	ug/L	352	500	500	860	846	102	99	75-125	2	20	
Cadmium	ug/L	0.49J	500	500	508	508	102	101	75-125	0	20	
Chromium	ug/L	1.6J	500	500	483	483	96	96	75-125	0	20	

**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 808050			808051								
Parameter	Units	4079557012 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Copper	ug/L	5.2J	500	500	503	501	100	99	75-125	0	20
Lead	ug/L	<2.7	500	500	471	474	94	95	75-125	1	20
Nickel	ug/L	166	500	500	640	637	95	94	75-125	1	20
Selenium	ug/L	7.7J	500	500	509	510	100	100	75-125	0	20
Silver	ug/L	<1.7	250	250	259	258	103	102	75-125	0	20
Zinc	ug/L	<2.4	500	500	482	480	96	95	75-125	0	20

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: A132406 FMR WABASH ALLOYS-WI  
Pace Project No.: 4079557

QC Batch: MPRP/8634 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
Associated Lab Samples: 4079557021

METHOD BLANK: 809152 Matrix: Water

Associated Lab Samples: 4079557021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<71.4	500	06/18/13 12:27	
Arsenic	ug/L	<4.2	20.0	06/18/13 12:27	
Barium	ug/L	2.5J	5.0	06/18/13 12:27	
Cadmium	ug/L	<0.48	5.0	06/18/13 12:27	
Chromium	ug/L	<1.4	5.0	06/18/13 12:27	
Copper	ug/L	<1.3	10.0	06/18/13 12:27	
Lead	ug/L	<2.7	7.5	06/18/13 12:27	
Nickel	ug/L	<0.61	10.0	06/18/13 12:27	
Selenium	ug/L	<5.2	20.0	06/18/13 12:27	
Silver	ug/L	<1.7	10.0	06/18/13 12:27	
Zinc	ug/L	<2.4	40.0	06/18/13 12:27	

LABORATORY CONTROL SAMPLE: 809153

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5090	102	80-120	
Arsenic	ug/L	500	494	99	80-120	
Barium	ug/L	500	514	103	80-120	
Cadmium	ug/L	500	490	98	80-120	
Chromium	ug/L	500	506	101	80-120	
Copper	ug/L	500	499	100	80-120	
Lead	ug/L	500	500	100	80-120	
Nickel	ug/L	500	511	102	80-120	
Selenium	ug/L	500	492	98	80-120	
Silver	ug/L	250	245	98	80-120	
Zinc	ug/L	500	503	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 809154 809155

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		4079587001 Result	Spike Conc.	Spike Conc.	Result							
Aluminum	ug/L	388J	5000	5000	5530	5640	103	105	75-125	2	20	
Arsenic	ug/L	7.2J	500	500	491	505	97	100	75-125	3	20	
Barium	ug/L	492	500	500	988	1030	99	107	75-125	4	20	
Cadmium	ug/L	<0.48	500	500	483	499	97	100	75-125	3	20	
Chromium	ug/L	19.4	500	500	521	540	100	104	75-125	4	20	
Copper	ug/L	53.6	500	500	561	578	101	105	75-125	3	20	
Lead	ug/L	6.2J	500	500	486	506	96	100	75-125	4	20	
Nickel	ug/L	11.1	500	500	503	519	98	102	75-125	3	20	
Selenium	ug/L	<5.2	500	500	487	508	97	102	75-125	4	20	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 809154												809155	
Parameter	Units	4079587001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Silver	ug/L	39.9	250	250	289	298	100	103	75-125	3	20		
Zinc	ug/L	312	500	500	792	826	96	103	75-125	4	20		

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

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### 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

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.

## REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A132406 FMR WABASH ALLOYS-WI

Pace Project No.: 4079557

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4079557001	A132406-01	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557002	A132406-02	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557003	A132406-03	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557004	A132406-04	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557005	A132406-05	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557006	A132406-06	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557007	A132406-07	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557008	A132406-08	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557009	A132406-09	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557010	A132406-10	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557011	A132406-11	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557012	A132406-12	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557013	A132406-13	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557014	A132406-14	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557015	A132406-15	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557016	A132406-16	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557017	A132406-17	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557018	A132406-18	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557019	A132406-19	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557020	A132406-20	EPA 3010	MPRP/8623	EPA 6010	ICP/7665
4079557021	A132406-21	EPA 3010	MPRP/8634	EPA 6010	ICP/7677
4079557001	A132406-01	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557002	A132406-02	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557003	A132406-03	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557004	A132406-04	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557005	A132406-05	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557006	A132406-06	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557007	A132406-07	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557008	A132406-08	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557009	A132406-09	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557010	A132406-10	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557011	A132406-11	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557012	A132406-12	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557013	A132406-13	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557014	A132406-14	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557015	A132406-15	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557016	A132406-16	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557017	A132406-17	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557018	A132406-18	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557019	A132406-19	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557020	A132406-20	EPA 7470	MERP/3706	EPA 7470	MERC/4621
4079557021	A132406-21	EPA 7470	MERP/3709	EPA 7470	MERC/4624

### REPORT OF LABORATORY ANALYSIS

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SUBCONTRACT ORDER

ECCS

A132406

4079557

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

UBF

Table with columns: Lab ID, Sample Type, Sampled Time, Laboratory ID, Comments. Contains 6 rows of sampling data for RCRA Metals in water.

Handwritten signatures and dates for Release and Receipt: Kari Ann Bilbi (6/12/13 1500), Dunham (6/13/13 0917), M.V. (6/13/13 0917)



SUBCONTRACT ORDER

ECCS  
A132406

4079557

Lab ID	Sample Type	Sampled	Laboratory ID	Comments
A132406-07	Water	06/10/2013 13:40	007 1-250mlp <sup>D</sup>	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
A132406-08	Water	06/10/2013 14:05	008	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
A132406-09	Water	06/10/2013 14:30	009	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
A132406-10	Water	06/10/2013 15:00	010	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
A132406-11	Water	06/10/2013 15:20	011	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
A132406-12	Water	06/10/2013 15:45	012	3-250mlp <sup>D</sup> MS/MSD THIS SAMPL 6/13/13 ✓
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2, 17_125mL Plastic pH <2, 17_250mL Plastic pH <2				
A132406-13	Water	06/10/2013 16:15	013	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
A132406-14	Water	06/10/2013 00:00	014	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				

Released By: Kari Amberg Date: 6/12/13 12:00  
 Received By: [Signature] Date: 6/13/13 09:17  
 Released By: Donham Date: 6/13/13 09:17  
 Received By: [Signature] Date: 6/13/13 09:17



SUBCONTRACT ORDER

ECCS  
A132406

4079557

			Laboratory ID	Comments
Lab ID: A132406-15	Water	Sampled: 06/11/2013 08:50	015 1-250mLp <sup>D</sup>	
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				plus al, cu, ni, zn
Lab ID: A132406-16	Water	Sampled: 06/11/2013 09:25	016	
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				plus al, cu, ni, zn
Lab ID: A132406-17	Water	Sampled: 06/11/2013 09:40	017	
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				plus al, cu, ni, zn
Lab ID: A132406-18	Water	Sampled: 06/11/2013 10:00	018	
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				plus al, cu, ni, zn
Lab ID: A132406-19	Water	Sampled: 06/11/2013 10:20	019	
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				plus al, cu, ni, zn
Lab ID: A132406-20	Water	Sampled: 06/11/2013 10:35	020	
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				plus al, cu, ni, zn
Lab ID: A132406-21	Water	Sampled: 06/11/2013 11:30	021	↓
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				plus al, cu, ni, zn

Released By	Kari Ann Kyllini	Date	6/12/13 1200	Received By		Date	
Released By	Donham	Date	6/13/13 0917	Received By	M. Ve	Date	6/13/13 0917



**Sample Condition Upon Receipt**

Client Name: ECCS Project # 4079557

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other Dunham  
Tracking #: 531861

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: NA /Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes  
Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 6/13/13  
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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No		Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.	
-Includes date/time/ID/Analysis Matrix: <u>W</u>			
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.	<input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Initial when completed <u>MV</u> Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: 6/13/13



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

09 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 07/26/2013.

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

<b>Certification List</b>		<b>Expires</b>	
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  
234 W. Florida Street, Fifth Floor  
Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
08/09/2013

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW802	A133009-01	Water	07/24/2013	07/26/2013
MW102	A133009-02	Water	07/24/2013	07/26/2013
MW801	A133009-03	Water	07/24/2013	07/26/2013
MW111	A133009-04	Water	07/24/2013	07/26/2013
MW107	A133009-05	Water	07/24/2013	07/26/2013
MW803	A133009-06	Water	07/24/2013	07/26/2013
MW116	A133009-07	Water	07/24/2013	07/26/2013
MW806	A133009-08	Water	07/24/2013	07/26/2013
MW117	A133009-09	Water	07/25/2013	07/26/2013
MW804	A133009-10	Water	07/24/2013	07/26/2013
MW807	A133009-11	Water	07/25/2013	07/26/2013
QC1	A133009-12	Water	07/24/2013	07/26/2013

Sample A133009-04 had a discrepancy between the collection time on the chain of custody and the collection time on the sample container. Per the client, the chain of custody collection time is correct.





2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW802**  
**A133009-01 (Water)**

Date Sampled  
 07/24/2013 08:50

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	ND	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	
<b>Arsenic</b>	<b>4.4</b>	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	J
<b>Barium</b>	<b>108</b>	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	
<b>Copper</b>	<b>2.2</b>	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	
<b>Nickel</b>	<b>4.1</b>	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	
<b>Zinc</b>	<b>6.4</b>	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:06	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:10	EPA 7470	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW102**  
**A133009-02 (Water)**

Date Sampled  
 07/24/2013 09:45

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	ND	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
<b>Barium</b>	<b>83.8</b>	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
<b>Chromium</b>	<b>2.8</b>	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	J
<b>Copper</b>	<b>3.8</b>	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
<b>Nickel</b>	<b>32.1</b>	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:12	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:12	EPA 7470	
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Natural Resource Technology Inc  
 234 W. Florida Street, Fifth Floor  
 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW801**  
**A133009-03 (Water)**

Date Sampled  
 07/24/2013 10:15

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	ND	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
<b>Barium</b>	<b>41.7</b>	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
<b>Copper</b>	<b>2.0</b>	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
<b>Nickel</b>	<b>1.9</b>	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:15	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:15	EPA 7470	
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Natural Resource Technology Inc  
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW111**  
**A133009-04 (Water)**

Date Sampled  
 07/24/2013 10:45

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	ND	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
Arsenic	ND	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
<b>Barium</b>	<b>109</b>	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
<b>Copper</b>	<b>2.4</b>	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
<b>Nickel</b>	<b>479</b>	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	
<b>Zinc</b>	<b>5.3</b>	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:17	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:17	EPA 7470	
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Natural Resource Technology Inc  
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW107**  
**A133009-05 (Water)**

Date Sampled  
 07/24/2013 15:47

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	81.9	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	J
Arsenic	4.9	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	J
Barium	758	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	
Cadmium	0.69	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	
Copper	2.5	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	
Nickel	4.3	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:19	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:19	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW803**  
**A133009-06 (Water)**

Date Sampled  
 07/24/2013 16:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

<b>Aluminum</b>	<b>86.1</b>	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	J
Arsenic	ND	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	
<b>Barium</b>	<b>496</b>	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	
<b>Cadmium</b>	<b>0.78</b>	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	
<b>Copper</b>	<b>9.6</b>	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	
<b>Nickel</b>	<b>12.1</b>	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	
<b>Zinc</b>	<b>32.6</b>	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:22	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:25	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW116**  
**A133009-07 (Water)**

Date Sampled  
 07/24/2013 13:53

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	85.5	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	J
Arsenic	ND	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	
Barium	289	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	
Cadmium	1.0	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	J
Chromium	3.1	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	J
Copper	36.9	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	
Lead	3.3	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	J
Nickel	119	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	
Zinc	45.5	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:24	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:27	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW806**  
**A133009-08 (Water)**

Date Sampled  
 07/24/2013 13:10

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	190	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	J
Arsenic	13.4	8.4	40.0	ug/L	2	07/30/2013	07/31/2013 13:41	EPA 6010	D3, J
Barium	2210	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	
Cadmium	1.7	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	
Copper	4.8	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	J
Lead	3.5	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	J
Nickel	20.8	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	
Zinc	22.7	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:27	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:29	EPA 7470	
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW117**  
**A133009-09 (Water)**

Date Sampled  
 07/25/2013 08:52

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	117	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	J
Arsenic	ND	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	
Barium	55.5	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	
Cadmium	0.86	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	J
Chromium	1.5	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	J
Copper	10.2	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	
Lead	3.0	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	J
Nickel	6.0	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	
Zinc	11.1	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:29	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:31	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW804**  
**A133009-10 (Water)**

Date Sampled  
 07/24/2013 11:28

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	215	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	J
Arsenic	6.3	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	J
Barium	1430	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	
Cadmium	0.62	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	J
Chromium	2.4	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	J
Copper	10.0	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	
Nickel	7.1	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	
Zinc	4.4	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:31	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:33	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**MW807**  
**A133009-11 (Water)**

Date Sampled  
 07/25/2013 09:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A307082**

PCB-1016	ND	0.070	0.10	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	
PCB-1221	ND	0.040	0.20	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	
PCB-1232	ND	0.074	0.10	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	
PCB-1242	ND	0.076	0.10	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	
PCB-1248	ND	0.040	0.10	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	
PCB-1254	ND	0.018	0.10	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	
PCB-1260	ND	0.050	0.10	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	
Total PCBs	ND	0.076	0.20	ug/L	1	07/29/2013	07/30/2013 02:49	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

07/29/2013 07/30/2013 02:49

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

106 % 74.3-141

07/29/2013 07/30/2013 02:49

EPA 8082A

**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

<b>Aluminum</b>	<b>122</b>	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	J
Arsenic	ND	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	
<b>Barium</b>	<b>73.1</b>	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	
Cadmium	ND	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	
<b>Copper</b>	<b>3.1</b>	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	
<b>Nickel</b>	<b>5.1</b>	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	
<b>Zinc</b>	<b>7.9</b>	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:34	EPA 6010	J

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:35	EPA 7470	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**QC1**  
**A133009-12 (Water)**

Date Sampled  
 07/24/2013 15:52

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**Pace Analytical**

**EPA 6010**

**Preparation Batch:MPRP 8878**

Aluminum	103	71.4	500	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	J
Arsenic	6.6	4.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	J
Barium	763	1.1	5.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	
Cadmium	0.79	0.48	5.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	J
Chromium	ND	1.4	5.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	
Copper	2.4	1.3	10.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	J
Lead	ND	2.7	7.5	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	
Nickel	3.3	0.61	10.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	J
Selenium	ND	5.2	20.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	
Silver	ND	1.7	10.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	
Zinc	ND	2.4	40.0	ug/L	1	07/30/2013	07/31/2013 12:41	EPA 6010	

**EPA 7470**

**Preparation Batch:MERP 3791**

Mercury	ND	0.10	0.20	ug/L	1	08/07/2013	08/08/2013 08:37	EPA 7470	
---------	----	------	------	------	---	------------	------------------	----------	--



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 234 W. Florida Street, Fifth Floor  
 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 08/09/2013

**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 A307082 - EPA 3511**

<b>Blank (A307082-BLK1)</b>										
				Prepared: 07/29/2013 Analyzed: 07/30/2013 02:24						
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							
<i>Surrogate: Decachlorobiphenyl</i>	1.69		ug/L	1.500		113	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	1.62		ug/L	1.500		108	74.3-141			

<b>LCS (A307082-BS1)</b>										
				Prepared: 07/29/2013 Analyzed: 07/30/2013 01:09						
PCB-1254	30.9	0.10	ug/L	25.00		123	70-130			
<i>Surrogate: Decachlorobiphenyl</i>	1.87		ug/L	1.500		125	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	1.62		ug/L	1.500		108	74.3-141			

<b>Matrix Spike (A307082-MS1)</b>										
				Source: A133009-11 Prepared: 07/29/2013 Analyzed: 07/30/2013 01:34						
PCB-1254	60.3	0.20	ug/L	50.00	ND	121	60-140			
<i>Surrogate: Decachlorobiphenyl</i>	3.47		ug/L	3.000		116	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	3.22		ug/L	3.000		107	74.3-141			

<b>Matrix Spike Dup (A307082-MSD1)</b>										
				Source: A133009-11 Prepared: 07/29/2013 Analyzed: 07/30/2013 01:59						
PCB-1254	54.5	0.20	ug/L	50.00	ND	109	60-140	10.2	20	
<i>Surrogate: Decachlorobiphenyl</i>	3.31		ug/L	3.000		110	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	2.96		ug/L	3.000		98.6	74.3-141			



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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
08/09/2013

### Notes and Definitions

- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
- 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

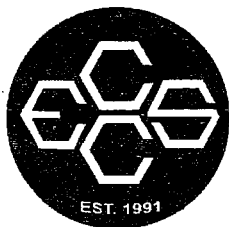


**Environmental Chemistry Consulting Services, Inc.**  
 2525 Advance Road  
 Madison, WI 53718  
 608-221-8700 (phone)  
 608-221-4889 (fax)

#2095001

# CHAIN OF CUSTODY

Project Number: <u>2095</u>				Lab Work Order #: <u>A133009</u>				Mail Report To: <u>Jody Barbear</u>																			
Project Name: <u>Former Walbush Alloys</u>				Analyses Requested				Company: <u>NRT</u>																			
Project Location: <u>Oak Creek, WI</u>				Preservation Codes				Address: <u>234 W. Florida St.</u>																			
Turn Around (circle one): <u>Normal</u> Rush				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">A</td> <td style="width:10%;">D</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td style="text-align:center;">PCB (9082)</td> <td style="text-align:center;">Metals (6010)</td> <td style="text-align:center;">Hg (7470)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				A	D							PCB (9082)	Metals (6010)	Hg (7470)						E-mail Address: <u>jbarbear@naturalrt.com</u>			
A	D																										
PCB (9082)	Metals (6010)	Hg (7470)																									
If Rush, Report Due Date:								Invoice To: <u>Donna <sup>W</sup> Doustar Accounts Payable</u>																			
Sampled By (Print): <u>Jake Walczak</u>								Company: <u>NRT</u>																			
								Address: <u>SAME AS ABOVE</u>																			
Sample Description	Collection		Matrix	Total # of Containers	PCB (9082)	Metals (6010)	Hg (7470)				Comments	Lab ID	Lab Receipt Time														
	Date	Time																									
MW802	7/24/13	8:50	GW	1	X						*8 RCRA and Heavy	01															
MW102	7/24/13	9:45	GW	1	X						Copper, Zinc and Nickel	02															
MW801	7-24-13	<del>10:21</del> 10:15	GW	1	X							03															
MW111	7-24-13	10:45	GW	1	X						Bottle reads time as 10:53	04															
MW107	7-24-13	15:47	GW	1	X						cc correct per client	05															
MW803	7-24-13	16:30	GW	1	X							06															
MW116	7-24-13	13:53	GW	1	X							07															
MW806	7-24-13	13:10	GW	1	X							08															
MW117	<del>7-25-13</del> 7-24-13	4:52	GW	1	X							09															
MW804	7-24-13	11:28	GW	1	X							10															
Preservation Codes A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u>				Date: <u>7-25-13</u>		Time: <u>11:30</u>		Received By: <u>Kari Ann Kellan</u>		Date: <u>7/26/13</u>		Time: <u>1011</u>											
				Relinquished By:				Date:		Time:		Received By:		Date:		Time:											
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <u>Present/Absent</u> <u>Intact/Not Intact</u> Seal #s				Receipt Temp:		Temp Blank: <u>Y (N)</u> <u>1.6°C</u>		S/N <u>130231423</u> <u>41815</u>															
				Shipped Via: <u>Dunham's</u>																							



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

#2095001

# CHAIN OF CUSTODY

Project Number: <u>2095</u>				Lab Work Order #: <u>A133009</u>				Mail Report To: <u>JODY Barbeau</u>																							
Project Name: <u>Former Wabash Alloy</u>				Analyses Requested				Company: <u>Natural Resource Tech</u>																							
Project Location: <u>Oak Creek, WI</u>				Preservation Codes				Address: <u>234 W. Florida St Milwaukee WI</u>																							
Turn Around (circle one): <u>Normal</u> Rush				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Matrix</td> <td style="width:10%;">Total # of Containers</td> <td style="width:10%;">FLB (8092)</td> <td style="width:10%;">Metals* (6010)</td> <td style="width:10%;">Hg (7470)</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td></td> <td><u>9</u></td> <td><u>X</u></td> <td><u>X</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Matrix	Total # of Containers	FLB (8092)	Metals* (6010)	Hg (7470)								<u>9</u>	<u>X</u>	<u>X</u>						E-mail Address: <u>JBarbeau@naturalresource.com</u>			
Matrix	Total # of Containers	FLB (8092)	Metals* (6010)					Hg (7470)																							
		<u>9</u>	<u>X</u>	<u>X</u>																											
If Rush, Report Due Date:								Invoice To: <u>Accounts Payable</u>																							
Sampled By (Print): <u>Jake Walczak</u>								Company: <u>Same as above</u>																							
								Address: <u>↓ ↓</u>																							
Sample Description	Collection		Matrix	Total # of Containers	FLB (8092)	Metals* (6010)	Hg (7470)					Comments	Lab ID	Lab Receipt Time																	
	Date	Time																													
<del>_____</del>	<del>7/24/13</del>		<del>GW</del>	<del>2</del>	<del>X</del>	<del>X</del>						<del>* 8 RCRA metals, plus Aluminum</del>																			
MW 807	7/25/13	9:30	GW	2	X	X						Copper, Nickel, and Zinc	11																		
QCL	7/24/13	15:52	GW	1		X							12																		
Preservation Codes A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <u>[Signature]</u>		Date: <u>7/25/13</u>		Time: <u>11:30</u>		Received By: <u>[Signature]</u>		Date: <u>7/26/13</u>		Time: <u>10:11</u>																	
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <u>Present/Absent</u> <u>Intact/Not Intact</u> Seal #'s		Shipped Via: <u>Dunham's</u>		Receipt Temp: <u>5/10/30/23/4/23</u> Temp Blank <u>Y</u> <u>(N)</u> <u>1.6°C</u> <u>exp 4/18/15</u>																							



**I3: September 2013 Groundwater Reports**

August 08, 2013

Jessica Esser  
ECCS  
2525 Advance Road  
Madison, WI 53718

RE: Project: A133009 FORMER WABASH ALLOYS  
Pace Project No.: 4081870

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 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



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

---

### 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

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4081870001	A133009-01	Water	07/24/13 08:50	07/27/13 07:45
4081870002	A133009-02	Water	07/24/13 09:45	07/27/13 07:45
4081870003	A133009-03	Water	07/24/13 10:15	07/27/13 07:45
4081870004	A133009-04	Water	07/24/13 10:45	07/27/13 07:45
4081870005	A133009-05	Water	07/24/13 15:47	07/27/13 07:45
4081870006	A133009-06	Water	07/24/13 16:30	07/27/13 07:45
4081870007	A133009-07	Water	07/24/13 13:53	07/27/13 07:45
4081870008	A133009-08	Water	07/24/13 13:10	07/27/13 07:45
4081870009	A133009-09	Water	07/25/13 08:52	07/27/13 07:45
4081870010	A133009-10	Water	07/24/13 11:28	07/27/13 07:45
4081870011	A133009-11	Water	07/25/13 09:30	07/27/13 07:45
4081870012	A133009-12	Water	07/24/13 15:52	07/27/13 07:45

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4081870001	A133009-01	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870002	A133009-02	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870003	A133009-03	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870004	A133009-04	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870005	A133009-05	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870006	A133009-06	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870007	A133009-07	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870008	A133009-08	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870009	A133009-09	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870010	A133009-10	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870011	A133009-11	EPA 6010	MMZ	11
		EPA 7470	CMS	1
4081870012	A133009-12	EPA 6010	MMZ	11
		EPA 7470	CMS	1

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS  
Pace Project No.: 4081870

**Sample: A133009-01**      **Lab ID: 4081870001**      Collected: 07/24/13 08:50      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010      Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:06	7429-90-5	
Arsenic	4.4J	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:06	7440-38-2	
Barium	108	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:06	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:06	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:06	7440-47-3	
Copper	2.2J	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:06	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:06	7439-92-1	
Nickel	4.1J	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:06	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:06	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:06	7440-22-4	
Zinc	6.4J	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:06	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470      Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:10	7439-97-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-02**      **Lab ID: 4081870002**      Collected: 07/24/13 09:45      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:12	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:12	7440-38-2	
Barium	83.8	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:12	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:12	7440-43-9	
Chromium	2.8J	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:12	7440-47-3	
Copper	3.8J	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:12	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:12	7439-92-1	
Nickel	32.1	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:12	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:12	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:12	7440-22-4	
Zinc	<2.4	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:12	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:12	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-03**      **Lab ID: 4081870003**      Collected: 07/24/13 10:15      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:15	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:15	7440-38-2	
Barium	41.7	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:15	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:15	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:15	7440-47-3	
Copper	2.0J	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:15	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:15	7439-92-1	
Nickel	1.9J	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:15	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:15	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:15	7440-22-4	
Zinc	<2.4	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:15	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:15	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-04**      **Lab ID: 4081870004**      Collected: 07/24/13 10:45      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<71.4	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:17	7429-90-5	
Arsenic	<4.2	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:17	7440-38-2	
Barium	109	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:17	7440-39-3	
Cadmium	<0.48	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:17	7440-43-9	
Chromium	<1.4	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:17	7440-47-3	
Copper	2.4J	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:17	7440-50-8	
Lead	<2.7	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:17	7439-92-1	
Nickel	479	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:17	7440-02-0	
Selenium	<5.2	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:17	7782-49-2	
Silver	<1.7	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:17	7440-22-4	
Zinc	5.3J	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:17	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:17	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-05**      **Lab ID: 4081870005**      Collected: 07/24/13 15:47      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>81.9J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:19	7429-90-5	
Arsenic	<b>4.9J</b>	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:19	7440-38-2	
Barium	<b>758</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:19	7440-39-3	
Cadmium	<b>0.69J</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:19	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:19	7440-47-3	
Copper	<b>2.5J</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:19	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:19	7439-92-1	
Nickel	<b>4.3J</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:19	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:19	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:19	7440-22-4	
Zinc	<b>&lt;2.4</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:19	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:19	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-06**      **Lab ID: 4081870006**      Collected: 07/24/13 16:30      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>86.1J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:22	7429-90-5	
Arsenic	<b>&lt;4.2</b>	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:22	7440-38-2	
Barium	<b>496</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:22	7440-39-3	
Cadmium	<b>0.78J</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:22	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:22	7440-47-3	
Copper	<b>9.6J</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:22	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:22	7439-92-1	
Nickel	<b>12.1</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:22	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:22	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:22	7440-22-4	
Zinc	<b>32.6J</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:22	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:25	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-07**      **Lab ID: 4081870007**      Collected: 07/24/13 13:53      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>85.5J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:24	7429-90-5	
Arsenic	<b>&lt;4.2</b>	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:24	7440-38-2	
Barium	<b>289</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:24	7440-39-3	
Cadmium	<b>1.0J</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:24	7440-43-9	
Chromium	<b>3.1J</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:24	7440-47-3	
Copper	<b>36.9</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:24	7440-50-8	
Lead	<b>3.3J</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:24	7439-92-1	
Nickel	<b>119</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:24	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:24	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:24	7440-22-4	
Zinc	<b>45.5</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:24	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:27	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-08**      **Lab ID: 4081870008**      Collected: 07/24/13 13:10      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>190J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:27	7429-90-5	
Arsenic	<b>13.4J</b>	ug/L	40.0	8.4	2	07/30/13 16:10	07/31/13 13:41	7440-38-2	D3
Barium	<b>2210</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:27	7440-39-3	
Cadmium	<b>1.7J</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:27	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:27	7440-47-3	
Copper	<b>4.8J</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:27	7440-50-8	
Lead	<b>3.5J</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:27	7439-92-1	
Nickel	<b>20.8</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:27	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:27	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:27	7440-22-4	
Zinc	<b>22.7J</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:27	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:29	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-09**      **Lab ID: 4081870009**      Collected: 07/25/13 08:52      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>117J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:29	7429-90-5	
Arsenic	<b>&lt;4.2</b>	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:29	7440-38-2	
Barium	<b>55.5</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:29	7440-39-3	
Cadmium	<b>0.86J</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:29	7440-43-9	
Chromium	<b>1.5J</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:29	7440-47-3	
Copper	<b>10.2</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:29	7440-50-8	
Lead	<b>3.0J</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:29	7439-92-1	
Nickel	<b>6.0J</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:29	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:29	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:29	7440-22-4	
Zinc	<b>11.1J</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:29	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:31	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-10**      **Lab ID: 4081870010**      Collected: 07/24/13 11:28      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Aluminum	<b>215J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:31	7429-90-5	
Arsenic	<b>6.3J</b>	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:31	7440-38-2	
Barium	<b>1430</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:31	7440-39-3	
Cadmium	<b>0.62J</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:31	7440-43-9	
Chromium	<b>2.4J</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:31	7440-47-3	
Copper	<b>10.0</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:31	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:31	7439-92-1	
Nickel	<b>7.1J</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:31	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:31	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:31	7440-22-4	
Zinc	<b>4.4J</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:31	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:33	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

**Sample: A133009-11**      **Lab ID: 4081870011**      Collected: 07/25/13 09:30      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010    Preparation Method: EPA 3010							
Aluminum	<b>122J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:34	7429-90-5	
Arsenic	<b>&lt;4.2</b>	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:34	7440-38-2	
Barium	<b>73.1</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:34	7440-39-3	
Cadmium	<b>&lt;0.48</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:34	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:34	7440-47-3	
Copper	<b>3.1J</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:34	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:34	7439-92-1	
Nickel	<b>5.1J</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:34	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:34	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:34	7440-22-4	
Zinc	<b>7.9J</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:34	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:35	7439-97-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: A133009 FORMER WABASH ALLOYS  
Pace Project No.: 4081870

**Sample: A133009-12**      **Lab ID: 4081870012**      Collected: 07/24/13 15:52      Received: 07/27/13 07:45      Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010      Preparation Method: EPA 3010							
Aluminum	<b>103J</b>	ug/L	500	71.4	1	07/30/13 16:10	07/31/13 12:41	7429-90-5	
Arsenic	<b>6.6J</b>	ug/L	20.0	4.2	1	07/30/13 16:10	07/31/13 12:41	7440-38-2	
Barium	<b>763</b>	ug/L	5.0	1.1	1	07/30/13 16:10	07/31/13 12:41	7440-39-3	
Cadmium	<b>0.79J</b>	ug/L	5.0	0.48	1	07/30/13 16:10	07/31/13 12:41	7440-43-9	
Chromium	<b>&lt;1.4</b>	ug/L	5.0	1.4	1	07/30/13 16:10	07/31/13 12:41	7440-47-3	
Copper	<b>2.4J</b>	ug/L	10.0	1.3	1	07/30/13 16:10	07/31/13 12:41	7440-50-8	
Lead	<b>&lt;2.7</b>	ug/L	7.5	2.7	1	07/30/13 16:10	07/31/13 12:41	7439-92-1	
Nickel	<b>3.3J</b>	ug/L	10.0	0.61	1	07/30/13 16:10	07/31/13 12:41	7440-02-0	
Selenium	<b>&lt;5.2</b>	ug/L	20.0	5.2	1	07/30/13 16:10	07/31/13 12:41	7782-49-2	
Silver	<b>&lt;1.7</b>	ug/L	10.0	1.7	1	07/30/13 16:10	07/31/13 12:41	7440-22-4	
Zinc	<b>&lt;2.4</b>	ug/L	40.0	2.4	1	07/30/13 16:10	07/31/13 12:41	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470      Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	08/07/13 17:15	08/08/13 08:37	7439-97-6	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: A133009 FORMER WABASH ALLOYS  
Pace Project No.: 4081870

QC Batch: MERP/3791 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 4081870001, 4081870002, 4081870003, 4081870004, 4081870005, 4081870006, 4081870007, 4081870008, 4081870009, 4081870010, 4081870011, 4081870012

METHOD BLANK: 835217 Matrix: Water  
Associated Lab Samples: 4081870001, 4081870002, 4081870003, 4081870004, 4081870005, 4081870006, 4081870007, 4081870008, 4081870009, 4081870010, 4081870011, 4081870012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	08/08/13 08:00	

LABORATORY CONTROL SAMPLE: 835218

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: 835219 835220

Parameter	Units	4082355001 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	5.2	5.1	103	101	85-115	2	20	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: A133009 FORMER WABASH ALLOYS  
Pace Project No.: 4081870

QC Batch: MPRP/8878 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
Associated Lab Samples: 4081870001, 4081870002, 4081870003, 4081870004, 4081870005, 4081870006, 4081870007, 4081870008, 4081870009, 4081870010, 4081870011, 4081870012

METHOD BLANK: 830677 Matrix: Water  
Associated Lab Samples: 4081870001, 4081870002, 4081870003, 4081870004, 4081870005, 4081870006, 4081870007, 4081870008, 4081870009, 4081870010, 4081870011, 4081870012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<71.4	500	07/31/13 11:55	
Arsenic	ug/L	<4.2	20.0	07/31/13 11:55	
Barium	ug/L	<1.1	5.0	07/31/13 11:55	
Cadmium	ug/L	<0.48	5.0	07/31/13 11:55	
Chromium	ug/L	<1.4	5.0	07/31/13 11:55	
Copper	ug/L	<1.3	10.0	07/31/13 11:55	
Lead	ug/L	<2.7	7.5	07/31/13 11:55	
Nickel	ug/L	<0.61	10.0	07/31/13 11:55	
Selenium	ug/L	<5.2	20.0	07/31/13 11:55	
Silver	ug/L	<1.7	10.0	07/31/13 11:55	
Zinc	ug/L	<2.4	40.0	07/31/13 11:55	

LABORATORY CONTROL SAMPLE: 830678

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4760	95	80-120	
Arsenic	ug/L	500	468	94	80-120	
Barium	ug/L	500	474	95	80-120	
Cadmium	ug/L	500	465	93	80-120	
Chromium	ug/L	500	474	95	80-120	
Copper	ug/L	500	475	95	80-120	
Lead	ug/L	500	479	96	80-120	
Nickel	ug/L	500	493	99	80-120	
Selenium	ug/L	500	480	96	80-120	
Silver	ug/L	250	240	96	80-120	
Zinc	ug/L	500	481	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 830679 830680

Parameter	Units	4081708001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Aluminum	ug/L	115J	5000	5000	4880	4920	95	96	75-125	1	20	
Arsenic	ug/L	<4.2	500	500	472	474	94	95	75-125	0	20	
Barium	ug/L	43.1	500	500	511	516	94	95	75-125	1	20	
Cadmium	ug/L	<0.48	500	500	467	473	93	94	75-125	1	20	
Chromium	ug/L	<1.4	500	500	468	476	93	95	75-125	2	20	
Copper	ug/L	3.6J	500	500	483	489	96	97	75-125	1	20	
Lead	ug/L	3.4J	500	500	467	471	93	94	75-125	1	20	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 830679 830680											
Parameter	Units	4081708001 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Nickel	ug/L	1.4J	500	500	480	485	96	97	75-125	1	20
Selenium	ug/L	<5.2	500	500	481	490	96	98	75-125	2	20
Silver	ug/L	<1.7	250	250	241	245	96	98	75-125	2	20
Zinc	ug/L	17.4J	500	500	488	493	94	95	75-125	1	20

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

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### 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

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

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A133009 FORMER WABASH ALLOYS

Pace Project No.: 4081870

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4081870001	A133009-01	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870002	A133009-02	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870003	A133009-03	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870004	A133009-04	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870005	A133009-05	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870006	A133009-06	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870007	A133009-07	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870008	A133009-08	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870009	A133009-09	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870010	A133009-10	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870011	A133009-11	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870012	A133009-12	EPA 3010	MPRP/8878	EPA 6010	ICP/7862
4081870001	A133009-01	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870002	A133009-02	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870003	A133009-03	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870004	A133009-04	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870005	A133009-05	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870006	A133009-06	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870007	A133009-07	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870008	A133009-08	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870009	A133009-09	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870010	A133009-10	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870011	A133009-11	EPA 7470	MERP/3791	EPA 7470	MERC/4772
4081870012	A133009-12	EPA 7470	MERP/3791	EPA 7470	MERC/4772

### REPORT OF LABORATORY ANALYSIS

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SUBCONTRACT ORDER

ECCS  
A133009

✓mi

4/081870

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

Rush

Lab ID	Sample	Sampled	Laboratory ID	Comments
Lab ID: A133009-01	Water	Sampled: 07/24/2013 08:50	001	1-250mL pP plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
Lab ID: A133009-02	Water	Sampled: 07/24/2013 09:45	002	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
Lab ID: A133009-03	Water	Sampled: 07/24/2013 10:15	003	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
Lab ID: A133009-04	Water	Sampled: 07/24/2013 10:45	004	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
Lab ID: A133009-05	Water	Sampled: 07/24/2013 15:47	005	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				
Lab ID: A133009-06	Water	Sampled: 07/24/2013 16:30	006	plus al, cu, ni, zn
RCRA Metals Containers Supplied: 17_250mL Plastic pH <2				

Released By: Kari-An Hillen Date: 7/26/13  
 Received By: Heidi Zita Date: 7/27/13  
 Released By: Donham Date: 7/27/13 0745  
 Received By: Heidi Zita Date: 7/27/13 0745



SUBCONTRACT ORDER

ECCS

A133009

4081870

			Laboratory ID	Comments
Lab ID: A133009-07	Water	Sampled: 07/24/2013 13:53	007	1-250mLpD
RCRA Metals				plus al, cu, ni, zn
Containers Supplied:				
17_250mL Plastic pH <2				
Lab ID: A133009-08	Water	Sampled: 07/24/2013 13:10	008	
RCRA Metals				plus al, cu, ni, zn
Containers Supplied:				
17_250mL Plastic pH <2				
Lab ID: A133009-09	Water	Sampled: 07/25/2013 08:52	009	
RCRA Metals				plus al, cu, ni, zn
Containers Supplied:				
17_250mL Plastic pH <2				
Lab ID: A133009-10	Water	Sampled: 07/24/2013 11:28	010	
RCRA Metals				plus al, cu, ni, zn
Containers Supplied:				
17_250mL Plastic pH <2				
Lab ID: A133009-11	Water	Sampled: 07/25/2013 09:30	011	
RCRA Metals				plus al, cu, ni, zn
Containers Supplied:				
17_250mL Plastic pH <2				
Lab ID: A133009-12	Water	Sampled: 07/24/2013 15:52	012	
RCRA Metals				plus al, cu, ni, zn
Containers Supplied:				
17_250mL Plastic pH <2				

Released By: Kari-An Gillin Date: 7/26/13  
Received By: Kohi Datta Date: 7/27/13  
Released By: Donham Date: 7/27/13 0745  
Received By: Kohi Datta Date: 7/27/13 0745





**Sample Condition Upon Receipt**

Client Name: ECCS Project # 4081870

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other Dunham

Tracking #: 565958

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 Paper

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

Cooler Temperature Uncorr: NA / Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes

Temp Blank Present:  yes  no  no

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

Person examining contents:  
Date: 7/27/13  
Initials: BF

**Comments:**

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	4. <u>SUB work 7/27/13 BF</u>
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>BF</u> Lab Std #ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: BF BF DM

Date: 7/27/13



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

23 September 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 09/10/2013.

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

<b>Certification List</b>			<b>Expires</b>
ILEPA	Illinois Secondary NELAP Accreditation	003174	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	08/31/2014



2525 Advance Road  
Madison, WI 53718  
608.221.8700 Phone  
608.221.4889 Fax

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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
09/23/2013

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW802	A133708-01	Water	09/04/2013	09/10/2013
MW102	A133708-02	Water	09/04/2013	09/10/2013
P103	A133708-03	Water	09/04/2013	09/10/2013
MW104	A133708-04	Water	09/04/2013	09/10/2013
MW804	A133708-05	Water	09/04/2013	09/10/2013
QA/QC1	A133708-06	Water	09/04/2013	09/10/2013
MW805	A133708-07	Water	09/04/2013	09/10/2013
MW806	A133708-08	Water	09/04/2013	09/10/2013
MW101	A133708-09	Water	09/04/2013	09/10/2013
MW801	A133708-10	Water	09/05/2013	09/10/2013
MW111	A133708-11	Water	09/05/2013	09/10/2013
P110	A133708-12	Water	09/05/2013	09/10/2013
P121	A133708-13	Water	09/05/2013	09/10/2013
MW803	A133708-14	Water	09/05/2013	09/10/2013
MW107	A133708-15	Water	09/05/2013	09/10/2013
MW105	A133708-16	Water	09/05/2013	09/10/2013
MW108	A133708-17	Water	09/05/2013	09/10/2013
MW807	A133708-18	Water	09/05/2013	09/10/2013
MW115	A133708-19	Water	09/05/2013	09/10/2013
MW116	A133708-20	Water	09/04/2013	09/10/2013
MW117	A133708-21	Water	09/04/2013	09/10/2013
P120	A133708-22	Water	09/04/2013	09/10/2013



2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW802**  
**A133708-01 (Water)**

Date Sampled  
 09/04/2013 09:25

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 15:58	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

09/11/2013 09/11/2013 15:58

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

111 % 74.3-141

09/11/2013 09/11/2013 15:58

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	
Arsenic	0.69	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	J
Barium	224	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	
Cadmium	0.13	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	J
Chromium	0.32	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	J
Copper	2.2	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	B
Lead	0.18	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	J
Nickel	2.6	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	
Selenium	3.8	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	
Silver	0.053	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	J
Zinc	7.6	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 05:25	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 11:41	EPA 7470	
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Natural Resource Technology Inc  
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW102**  
**A133708-02 (Water)**

Date Sampled  
 09/04/2013 10:00

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 16:24	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

09/11/2013 09/11/2013 16:24

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

117 % 74.3-141

09/11/2013 09/11/2013 16:24

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	23.2	23.1	250	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	J
Arsenic	0.64	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	J
Barium	98.6	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	
Cadmium	0.16	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	J
Chromium	2.0	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	
Copper	3.6	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	
Lead	0.24	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	J
Nickel	26.2	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	
Selenium	0.50	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	J
Silver	0.076	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	J
Zinc	7.5	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 05:50	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 11:48	EPA 7470	
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Natural Resource Technology Inc  
234 W. Florida Street, Fifth Floor  
Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
09/23/2013

**P103**  
**A133708-03 (Water)**

Date Sampled  
09/04/2013 10:30

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 18:35	EPA 8082A	

Surrogate: Decachlorobiphenyl

112 % 75.4-168

09/11/2013 09/11/2013 18:35

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

110 % 74.3-141

09/11/2013 09/11/2013 18:35

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	
<b>Arsenic</b>	<b>0.53</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	J
<b>Barium</b>	<b>18.6</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	
Chromium	ND	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	
<b>Copper</b>	<b>1.6</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	B
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	
<b>Nickel</b>	<b>0.68</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	J
Selenium	ND	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	
<b>Zinc</b>	<b>2.5</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 06:03	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 11:50	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
09/23/2013

**MW104**  
**A133708-04 (Water)**

Date Sampled  
09/04/2013 10:58

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 19:01	EPA 8082A	

Surrogate: Decachlorobiphenyl

108 % 75.4-168

09/11/2013 09/11/2013 19:01

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

111 % 74.3-141

09/11/2013 09/11/2013 19:01

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

<b>Aluminum</b>	<b>116</b>	23.1	250	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	J
<b>Arsenic</b>	<b>0.51</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	J
<b>Barium</b>	<b>87.6</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	
<b>Chromium</b>	<b>5.6</b>	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	
<b>Copper</b>	<b>7.7</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	
<b>Lead</b>	<b>0.12</b>	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	J
<b>Nickel</b>	<b>12.1</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	
<b>Selenium</b>	<b>0.48</b>	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	J
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	
<b>Zinc</b>	<b>4.3</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 06:10	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 11:56	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW804**  
**A133708-05 (Water)**

Date Sampled  
 09/04/2013 11:29

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 19:27	EPA 8082A	

Surrogate: Decachlorobiphenyl

108 % 75.4-168

09/11/2013 09/11/2013 19:27

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

107 % 74.3-141

09/11/2013 09/11/2013 19:27

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	116	1250	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3
<b>Arsenic</b>	<b>0.70</b>	0.61	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3, J
<b>Barium</b>	<b>1680</b>	0.31	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	
Cadmium	ND	0.28	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3
Chromium	ND	1.2	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3
<b>Copper</b>	<b>19.0</b>	1.0	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	
Lead	ND	0.32	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3
<b>Nickel</b>	<b>3.8</b>	0.63	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3, J
Selenium	ND	1.3	5.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3
Silver	ND	0.13	2.5	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3
Zinc	ND	12.0	50.0	ug/L	5	09/12/2013	09/17/2013 06:29	EPA 6020	D3

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 11:58	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**QA/QC1**  
**A133708-06 (Water)**

Date Sampled  
 09/04/2013 11:39

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 19:54	EPA 8082A	

Surrogate: Decachlorobiphenyl

108 % 75.4-168

09/11/2013 09/11/2013 19:54

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

107 % 74.3-141

09/11/2013 09/11/2013 19:54

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	116	1250	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3
<b>Arsenic</b>	<b>0.94</b>	0.61	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3, J
<b>Barium</b>	<b>1600</b>	0.31	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	
Cadmium	ND	0.28	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3
Chromium	ND	1.2	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3
<b>Copper</b>	<b>13.4</b>	1.0	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	
Lead	ND	0.32	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3
<b>Nickel</b>	<b>3.6</b>	0.63	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3, J
Selenium	ND	1.3	5.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3
Silver	ND	0.13	2.5	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3
Zinc	ND	12.0	50.0	ug/L	5	09/12/2013	09/17/2013 06:35	EPA 6020	D3

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:00	EPA 7470	
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW805**  
**A133708-07 (Water)**

Date Sampled  
 09/04/2013 11:54

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 20:20	EPA 8082A	

Surrogate: Decachlorobiphenyl

107 % 75.4-168

09/11/2013 09/11/2013 20:20

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

105 % 74.3-141

09/11/2013 09/11/2013 20:20

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Arsenic	1.1	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Barium	244	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Cadmium	0.24	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	J
Chromium	ND	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Copper	3.6	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Lead	0.11	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	J
Nickel	3.6	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Selenium	2.1	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	
Zinc	13.4	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 06:42	EPA 6020	

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:02	EPA 7470	
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Natural Resource Technology Inc  
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW806**  
**A133708-08 (Water)**

Date Sampled  
 09/04/2013 12:22

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 20:46	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

09/11/2013 09/11/2013 20:46

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

109 % 74.3-141

09/11/2013 09/11/2013 20:46

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	231	2500	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3
Arsenic	2.2	1.2	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3, J
Barium	2200	0.62	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	
Cadmium	1.2	0.57	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3, J
Chromium	ND	2.4	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3
Copper	5.2	2.1	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3, J
Lead	ND	0.64	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3
Nickel	21.9	1.3	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	
Selenium	ND	2.6	10.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3
Silver	ND	0.25	5.0	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3
Zinc	40.2	24.0	100	ug/L	10	09/12/2013	09/17/2013 06:48	EPA 6020	D3, J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:04	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
09/23/2013

**MW101**  
**A133708-09 (Water)**

Date Sampled  
09/04/2013 13:58

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 21:12	EPA 8082A	

Surrogate: Decachlorobiphenyl

116 % 75.4-168

09/11/2013 09/11/2013 21:12

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

115 % 74.3-141

09/11/2013 09/11/2013 21:12

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	116	1250	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3
<b>Arsenic</b>	<b>1.5</b>	0.61	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3, J
<b>Barium</b>	<b>192</b>	0.31	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	
Cadmium	ND	0.28	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3
Chromium	ND	1.2	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3
<b>Copper</b>	<b>1.3</b>	1.0	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3, B, J
Lead	ND	0.32	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3
<b>Nickel</b>	<b>5.6</b>	0.63	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	
Selenium	ND	1.3	5.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3
Silver	ND	0.13	2.5	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3
Zinc	ND	12.0	50.0	ug/L	5	09/12/2013	09/17/2013 06:54	EPA 6020	D3

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:06	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW801**  
**A133708-10 (Water)**

Date Sampled  
 09/05/2013 08:01

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 21:38	EPA 8082A	

Surrogate: Decachlorobiphenyl

113 % 75.4-168

09/11/2013 09/11/2013 21:38

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

113 % 74.3-141

09/11/2013 09/11/2013 21:38

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
<b>Arsenic</b>	<b>0.56</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	J
<b>Barium</b>	<b>55.8</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
Chromium	ND	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
<b>Copper</b>	<b>2.1</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	B
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
<b>Nickel</b>	<b>1.7</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
<b>Selenium</b>	<b>1.4</b>	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	
<b>Zinc</b>	<b>3.5</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 07:01	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:08	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW111**  
**A133708-11 (Water)**

Date Sampled  
 09/05/2013 08:32

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 22:04	EPA 8082A	

Surrogate: Decachlorobiphenyl

112 % 75.4-168

09/11/2013 09/11/2013 22:04

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

115 % 74.3-141

09/11/2013 09/11/2013 22:04

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	
<b>Arsenic</b>	<b>0.30</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	J
<b>Barium</b>	<b>138</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	
<b>Chromium</b>	<b>0.27</b>	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	J
<b>Copper</b>	<b>2.2</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	B
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	
<b>Nickel</b>	<b>285</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	
Selenium	ND	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	
<b>Zinc</b>	<b>3.9</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 07:07	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:10	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**P110**  
**A133708-12 (Water)**

Date Sampled  
 09/05/2013 09:07

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 22:30	EPA 8082A	

Surrogate: Decachlorobiphenyl

111 % 75.4-168

09/11/2013 09/11/2013 22:30

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

111 % 74.3-141

09/11/2013 09/11/2013 22:30

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
<b>Arsenic</b>	<b>0.77</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	J
<b>Barium</b>	<b>28.7</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
Chromium	ND	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
<b>Copper</b>	<b>1.3</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	B
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
<b>Nickel</b>	<b>1.5</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
Selenium	ND	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	
<b>Zinc</b>	<b>7.6</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 07:13	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:12	EPA 7470	
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 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**P121**  
**A133708-13 (Water)**

Date Sampled  
 09/05/2013 09:32

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 00:41	EPA 8082A	

Surrogate: Decachlorobiphenyl

112 % 75.4-168

09/11/2013 09/12/2013 00:41

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

108 % 74.3-141

09/11/2013 09/12/2013 00:41

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

<b>Aluminum</b>	<b>174</b>	23.1	250	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	J
<b>Arsenic</b>	<b>1.0</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	
<b>Barium</b>	<b>37.1</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	
<b>Chromium</b>	<b>0.48</b>	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	J
<b>Copper</b>	<b>3.5</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	
<b>Lead</b>	<b>0.41</b>	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	J
<b>Nickel</b>	<b>3.1</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	
Selenium	ND	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	
<b>Zinc</b>	<b>53.4</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 07:20	EPA 6020	

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:14	EPA 7470	
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Natural Resource Technology Inc  
 234 W. Florida Street, Fifth Floor  
 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW803**  
**A133708-14 (Water)**

Date Sampled  
 09/05/2013 09:52

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 01:07	EPA 8082A	

Surrogate: Decachlorobiphenyl

109 % 75.4-168

09/11/2013 09/12/2013 01:07

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

111 % 74.3-141

09/11/2013 09/12/2013 01:07

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	116	1250	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3
<b>Arsenic</b>	<b>2.8</b>	0.61	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3, J
<b>Barium</b>	<b>590</b>	0.31	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	
Cadmium	ND	0.28	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3
Chromium	ND	1.2	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3
Copper	ND	1.0	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3
Lead	ND	0.32	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3
<b>Nickel</b>	<b>14.4</b>	0.63	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	
Selenium	ND	1.3	5.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3
Silver	ND	0.13	2.5	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3
<b>Zinc</b>	<b>13.1</b>	12.0	50.0	ug/L	5	09/12/2013	09/17/2013 07:26	EPA 6020	D3, J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:21	EPA 7470	
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Natural Resource Technology Inc  
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW107**  
**A133708-15 (Water)**

Date Sampled  
 09/05/2013 12:05

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 01:33	EPA 8082A	

Surrogate: Decachlorobiphenyl

107 % 75.4-168

09/11/2013 09/12/2013 01:33

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

113 % 74.3-141

09/11/2013 09/12/2013 01:33

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	46.3	500	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	D3
<b>Arsenic</b>	<b>4.9</b>	0.24	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	
<b>Barium</b>	<b>715</b>	0.12	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	
Cadmium	ND	0.11	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	D3
<b>Chromium</b>	<b>2.7</b>	0.48	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	
<b>Copper</b>	<b>0.51</b>	0.41	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	D3, B, J
Lead	ND	0.13	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	D3
<b>Nickel</b>	<b>2.8</b>	0.25	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	
Selenium	ND	0.52	2.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	D3
Silver	ND	0.051	1.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	D3
<b>Zinc</b>	<b>15.1</b>	4.8	20.0	ug/L	2	09/12/2013	09/17/2013 07:45	EPA 6020	D3, J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:23	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
09/23/2013

**MW105**  
**A133708-16 (Water)**

Date Sampled  
09/05/2013 12:53

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 01:59	EPA 8082A	

Surrogate: Decachlorobiphenyl

116 % 75.4-168

09/11/2013 09/12/2013 01:59

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

115 % 74.3-141

09/11/2013 09/12/2013 01:59

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	
<b>Arsenic</b>	<b>0.27</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	J
<b>Barium</b>	<b>78.3</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	
<b>Chromium</b>	<b>0.76</b>	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	J
<b>Copper</b>	<b>2.1</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	B
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	
<b>Nickel</b>	<b>6.8</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	
<b>Selenium</b>	<b>2.7</b>	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	
<b>Zinc</b>	<b>5.9</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 07:52	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:25	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW108**  
**A133708-17 (Water)**

Date Sampled  
 09/05/2013 10:39

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 02:26	EPA 8082A	

Surrogate: Decachlorobiphenyl

116 % 75.4-168

09/11/2013 09/12/2013 02:26

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

116 % 74.3-141

09/11/2013 09/12/2013 02:26

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
<b>Arsenic</b>	<b>0.32</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	J
<b>Barium</b>	<b>89.2</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
Chromium	ND	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
<b>Copper</b>	<b>1.1</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	B
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
<b>Nickel</b>	<b>1.9</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
Selenium	ND	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	
<b>Zinc</b>	<b>3.7</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 07:58	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:27	EPA 7470	
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW807**  
**A133708-18 (Water)**

Date Sampled  
 09/05/2013 13:38

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 02:52	EPA 8082A	

Surrogate: Decachlorobiphenyl

117 % 75.4-168

09/11/2013 09/12/2013 02:52

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

113 % 74.3-141

09/11/2013 09/12/2013 02:52

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	
Arsenic	0.56	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	J
Barium	62.6	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	
Chromium	0.48	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	J
Copper	2.4	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	B
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	
Nickel	5.2	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	
Selenium	2.7	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	
Zinc	4.4	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 08:04	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:29	EPA 7470	
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW115**  
**A133708-19 (Water)**

Date Sampled  
 09/05/2013 14:26

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 03:18	EPA 8082A	

Surrogate: Decachlorobiphenyl

117 % 75.4-168

09/11/2013 09/12/2013 03:18

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

118 % 74.3-141

09/11/2013 09/12/2013 03:18

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Arsenic	<b>0.44</b>	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	J
Barium	<b>122</b>	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Cadmium	ND	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Chromium	<b>1.8</b>	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Copper	<b>7.3</b>	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Lead	ND	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Nickel	<b>14.0</b>	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Selenium	<b>1.2</b>	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	
Zinc	<b>6.5</b>	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 08:11	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:31	EPA 7470	
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2525 Advance Road  
 Madison, WI 53718  
 608.221.8700 Phone  
 608.221.4889 Fax

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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW116**  
**A133708-20 (Water)**

Date Sampled  
 09/04/2013 13:34

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309037**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/12/2013 03:44	EPA 8082A	

Surrogate: Decachlorobiphenyl

113 % 75.4-168

09/11/2013 09/12/2013 03:44

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

114 % 74.3-141

09/11/2013 09/12/2013 03:44

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9092**

Aluminum	ND	23.1	250	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	
Arsenic	0.80	0.12	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	J
Barium	327	0.062	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	
Cadmium	0.31	0.057	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	J
Chromium	0.64	0.24	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	J
Copper	13.9	0.21	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	
Lead	0.067	0.064	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	J
Nickel	35.3	0.13	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	
Selenium	0.98	0.26	1.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	J
Silver	ND	0.025	0.50	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	
Zinc	79.5	2.4	10.0	ug/L	1	09/12/2013	09/17/2013 08:17	EPA 6020	

**EPA 7470**

**Preparation Batch:MERP 3847**

Mercury	ND	0.10	0.20	ug/L	1	09/11/2013	09/12/2013 12:33	EPA 7470	
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Natural Resource Technology Inc  
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**MW117**  
**A133708-21 (Water)**

Date Sampled  
 09/04/2013 12:50

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309038**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 13:47	EPA 8082A	

Surrogate: Decachlorobiphenyl

123 % 75.4-168

09/11/2013 09/11/2013 13:47

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

124 % 74.3-141

09/11/2013 09/11/2013 13:47

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9091**

Aluminum	ND	116	1250	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	D3
Arsenic	2.1	0.61	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	D3, J
Barium	173	0.31	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	
Cadmium	2.7	0.28	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	D3, J
Chromium	ND	1.2	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	D3
Copper	18.4	1.0	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	
Lead	2.9	0.32	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	D3, J
Nickel	17.3	0.63	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	
Selenium	2.4	1.3	5.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	D3, J
Silver	ND	0.13	2.5	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	D3
Zinc	52.8	12.0	50.0	ug/L	5	08/12/2013	09/17/2013 02:57	EPA 6020	

**EPA 7470**

**Preparation Batch:MERP 3852**

Mercury	ND	0.10	0.20	ug/L	1	09/16/2013	09/17/2013 10:29	EPA 7470	
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Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
09/23/2013

**P120**  
**A133708-22 (Water)**

Date Sampled  
09/04/2013 13:01

Analyte	Result	Limit of Detection	Limit of Quantitation	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
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**ECCS**

**Polychlorinated Biphenyls by EPA Method 8082**

**Preparation Batch:A309038**

PCB-1016	ND	0.035	0.050	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	
PCB-1221	ND	0.020	0.10	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	
PCB-1232	ND	0.037	0.050	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	
PCB-1242	ND	0.038	0.050	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	
PCB-1248	ND	0.020	0.050	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	
PCB-1254	ND	0.0090	0.050	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	
PCB-1260	ND	0.025	0.050	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	
Total PCBs	ND	0.038	0.10	ug/L	1	09/11/2013	09/11/2013 14:14	EPA 8082A	

Surrogate: Decachlorobiphenyl

114 % 75.4-168

09/11/2013 09/11/2013 14:14

EPA 8082A

Surrogate: Tetrachloro-meta-xylene

108 % 74.3-141

09/11/2013 09/11/2013 14:14

EPA 8082A

**Pace Analytical**

**EPA 6020**

**Preparation Batch:MPRP 9091**

<b>Aluminum</b>	<b>36.4</b>	23.1	250	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	J
<b>Arsenic</b>	<b>1.6</b>	0.12	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	
<b>Barium</b>	<b>26.1</b>	0.062	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	
<b>Cadmium</b>	<b>0.082</b>	0.057	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	J
Chromium	ND	0.24	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	
<b>Copper</b>	<b>6.0</b>	0.21	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	
<b>Lead</b>	<b>0.36</b>	0.064	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	J
<b>Nickel</b>	<b>2.3</b>	0.13	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	
<b>Selenium</b>	<b>0.44</b>	0.26	1.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	J
Silver	ND	0.025	0.50	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	
<b>Zinc</b>	<b>7.1</b>	2.4	10.0	ug/L	1	08/12/2013	09/17/2013 03:04	EPA 6020	J

**EPA 7470**

**Preparation Batch:MERP 3852**

Mercury	ND	0.10	0.20	ug/L	1	09/16/2013	09/17/2013 10:31	EPA 7470	
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Natural Resource Technology Inc  
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 Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**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
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**Batch A309037 - EPA 3511**

**Blank (A309037-BLK1)**

Prepared: 09/11/2013 Analyzed: 09/11/2013 15:32

PCB-1016	ND	0.050	ug/L							
PCB-1221	ND	0.10	ug/L							
PCB-1232	ND	0.050	ug/L							
PCB-1242	ND	0.050	ug/L							
PCB-1248	ND	0.050	ug/L							
PCB-1254	ND	0.050	ug/L							
PCB-1260	ND	0.050	ug/L							
Total PCBs	ND	0.10	ug/L							
<i>Surrogate: Decachlorobiphenyl</i>	1.11		ug/L	0.9900		112	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.785		ug/L	0.7500		105	74.3-141			

**LCS (A309037-BS1)**

Prepared: 09/11/2013 Analyzed: 09/11/2013 14:40

PCB-1242	14.6	0.050	ug/L	12.50		117	70-130			
<i>Surrogate: Decachlorobiphenyl</i>	1.15		ug/L	0.9900		116	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.858		ug/L	0.7500		114	74.3-141			

**LCS Dup (A309037-BSD1)**

Prepared: 09/11/2013 Analyzed: 09/11/2013 15:06

PCB-1242	14.6	0.050	ug/L	12.50		117	70-130	0.0780	20	
<i>Surrogate: Decachlorobiphenyl</i>	1.14		ug/L	0.9900		115	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.842		ug/L	0.7500		112	74.3-141			

**Batch A309038 - EPA 3511**

**Blank (A309038-BLK1)**

Prepared: 09/11/2013 Analyzed: 09/11/2013 13:21

PCB-1016	ND	0.050	ug/L							
PCB-1221	ND	0.10	ug/L							
PCB-1232	ND	0.050	ug/L							
PCB-1242	ND	0.050	ug/L							
PCB-1248	ND	0.050	ug/L							
PCB-1254	ND	0.050	ug/L							
PCB-1260	ND	0.050	ug/L							
Total PCBs	ND	0.10	ug/L							
<i>Surrogate: Decachlorobiphenyl</i>	1.12		ug/L	0.9900		113	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.840		ug/L	0.7500		112	74.3-141			

**LCS (A309038-BS1)**

Prepared: 09/11/2013 Analyzed: 09/11/2013 12:29

PCB-1242	13.8	0.050	ug/L	12.50		111	70-130			
<i>Surrogate: Decachlorobiphenyl</i>	1.09		ug/L	0.9900		110	75.4-168			
<i>Surrogate: Tetrachloro-meta-xylene</i>	0.803		ug/L	0.7500		107	74.3-141			



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

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
 Project Number: 2095  
 Project Manager: Jody Barbeau

Reported:  
 09/23/2013

**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
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**Batch A309038 - EPA 3511**

**LCS Dup (A309038-BSD1)**

Prepared: 09/11/2013 Analyzed: 09/11/2013 12:55

PCB-1242	15.0	0.050	ug/L	12.50		120	70-130	7.91	20	
Surrogate: Decachlorobiphenyl	1.17		ug/L	0.9900		118	75.4-168			
Surrogate: Tetrachloro-meta-xylene	0.855		ug/L	0.7500		114	74.3-141			



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234 W. Florida Street, Fifth Floor  
Milwaukee WI, 53204

Project: Former Wabash Alloys (Connell) - Oak Creek, WI  
Project Number: 2095  
Project Manager: Jody Barbeau

Reported:  
09/23/2013

### Notes and Definitions

- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
- 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.
- 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  
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2095 001

# CHAIN OF CUSTODY

COC # 1 of 3

Project Number: <b>2095</b>				Lab Work Order #: <b>A133708</b>				Mail Report To: <b>Jody Barbeau</b>						
Project Name: <b>Wabash Alloy</b>				Analyses Requested				Company: <b>Natural Resource Tech</b>						
Project Location: <b>OAK CREEK, WI</b>				Preservation Codes				Address: <b>234 W. Florida Street 5th Floor</b>						
Turn Around (circle one): <b>Normal</b> Rush				Matrix Total # of Containers <b>PCBs (8082)</b> <b>PCBs (8082)</b>				E-mail Address: <b>JBARBEAU@NATURALRT.COM</b>						
If Rush, Report Due Date: <b>na</b>								Invoice To: <b>Accounts Payable</b>						
Sampled By (Print): <b>Sarah Ganswindt</b> <b>JAKE WALCZAK</b>								Company: <b>Same as Above</b>						
								Address: <b>↓ ↓</b>						
Sample Description	Collection		Matrix	Total # of Containers	PCBs (8082)	PCBs (8082)					Comments	Lab ID	Lab Receipt Time	
	Date	Time												
MW 802	9/4/13	925	W	2	X	X					* 8 RCRA Metals, plus	01		
MW 102		1000	W	2	X	X					Aluminum, Copper,	02		
P103		1030	W	2	X	X					Nickel, and Zinc	03		
MW 104		1058	W	2	X	X						04		
MW 804		1129	W	2	X	X						05		
OA/OC 1		1139	W	2	X	X						06		
MW 805		1154	W	2	X	X						07		
MW 806		1222	W	2	X	X						08		
MW 101		1358	W	2	X	X						09		
MW 801	9/5/13	801 AM	W	2	X	X						10		
Preservation Codes A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <b>Sarah Ganswindt</b>		Date: <b>9/1/13</b>		Time:		Received By: <b>Jody Barbeau</b>		Date: <b>09-10-13</b>		Time: <b>1200</b>
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: <b>Present/Absent</b>		Intact/Not Intact		Seal #s		Receipt Temp: <b>2.30C</b>		S/N <b>130231423</b>		Temp Blank <b>(Y) N</b>
				Shipped Via: <b>Dunham's</b>						EXP: <b>04-18-15</b>				

Download this form at www.eccsmobilelab.com.  
 Custody seals were inside cooler



**Environmental Chemistry Consulting Services, Inc.**  
 2525 Advance Road  
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# CHAIN OF CUSTODY

(2 of 3)

# 2095002

Project Number: 2095				Lab Work Order #: A133708				Mail Report To: Jody Barbeau							
Project Name: Wabash Alloy				Analyses Requested: Filtrated				Company: Natural Resource Tech							
Project Location: Oak Creek WI				Preservation Codes: D A				Address: 234 W. Floerem Street Floor 5th Milwaukee WI							
Turn Around (circle one): <u>Normal</u> Rush				Matrix Total # of Containers D-Hydro Hg *Metals (6/10/07) (2470) PCBs (8082)	E-mail Address: JBarbeau@naturalkr.com				Invoice To: Accounts Payable						
If Rush, Report Due Date: na					Company: Same as Above				Address: ↓ ↓						
Sampled By (Print): Sarah Ganswindt Jake Walczak					Comments				Lab ID						
Sampled By (Print): Sarah Ganswindt Jake Walczak					Time				Lab Receipt Time						
Sample Description	Collection		Matrix	Total # of Containers	D-Hydro	Hg	*Metals (6/10/07) (2470)	PCBs (8082)					Comments	Lab ID	Lab Receipt Time
	Date	Time													
NW111	9/5/13	832	soil	2	α	α							* 8 RCRA metals, plus	11	
P110		907	X	2	α	α							Aluminum, copper,	12	
P121		932	X	2	α	α							Nickel, and Zinc	13	
NW802		952	α	2	α	α								14	
NW107		1205	α	2	0	α								15	
NW105		1039 (1039)	α	2	α	α								16	
NW108		1039	α	2	X	α								17	
NW807		1338	α	2	α	α								18	
NW115		1426	2	2	α	α								19	
NW116	9/4/13	1334	W	2	X	X								20	
Preservation Codes A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: Sarah Ganswindt 9/9/13				Received By: Jody Barbeau 09-10-13 1200							
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent Intact/Not Intact Seal #'s				Receipt Temp: 23°C Temp Blank (Y) N							
Shipped Via: Dunham's															



**Environmental Chemistry Consulting Services, Inc.**  
 2525 Advance Road  
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# CHAIN OF CUSTODY

3 of 3

#2095003

Project Number: 2095				Lab Work Order #: A133708				Mail Report To: Jody Barbeau					
Project Name: Wabash Alley				Analyses Requested				Company: Natural Resource Tech					
Project Location: Oak Creek, WI				Preservation Codes				Address: 234 W. Florida Street, 5th Floor					
Turn Around (circle one): <u>Normal</u> Rush				Matrix: Total # of Containers: Metals (base) PCBs (5052)				E-mail Address: jbarbeau@naturalrt.com					
If Rush, Report Due Date: NA								Invoice To: Accounts Payable					
Sampled By (Print): Sarah Granswindt Jake Walczak								Company: Same as above					
								Address: ↓					
Sample Description	Collection		Matrix	Total # of Containers	PCBs	Metals					Comments	Lab ID	Lab Receipt Time
	Date	Time											
MW117	9-4-13	1250	W	2	X	X					* § RLRA metals, pls	21	
P120	9-4-13	1301	W	2	X	X					Aluminum, Copper, Nickel, and Zinc	22	
Preservation Codes A=None B=HCL C=H <sub>2</sub> SO <sub>4</sub> D=HNO <sub>3</sub> E=EnCore F=Methanol G=NaOH O=Other (Indicate)				Relinquished By: <i>[Signature]</i> Relinquished By:				Date: 9/9/13 Time: 900		Received By: <i>[Signature]</i> Received By:		Date: 09-10-13 Time: 1200	
Matrix Codes A=Air S=Soil W=Water O=Other				Custody Seal: Present/Absent Intact/Not Intact Seal #'s				Receipt Temp: 2,30C Temp Blank: (Y) N		si N130231423 Exp: 04-18-15			
Shipped Via: <u>Dunham's</u>													

September 23, 2013

Jessica Esser  
ECCS  
2525 Advance Road  
Madison, WI 53718

RE: Project: A133708 FORMER WABASH ALLOYS  
Pace Project No.: 4084428

Dear Jessica Esser:

Enclosed are the analytical results for sample(s) received by the laboratory on September 11, 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



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

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### 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

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4084428001	A133708-01	Water	09/04/13 09:25	09/11/13 08:37
4084428002	A133708-02	Water	09/04/13 10:00	09/11/13 08:37
4084428003	A133708-03	Water	09/04/13 10:30	09/11/13 08:37
4084428004	A133708-04	Water	09/04/13 10:58	09/11/13 08:37
4084428005	A133708-05	Water	09/04/13 11:29	09/11/13 08:37
4084428006	A133708-06	Water	09/04/13 11:39	09/11/13 08:37
4084428007	A133708-07	Water	09/04/13 11:54	09/11/13 08:37
4084428008	A133708-08	Water	09/04/13 12:22	09/11/13 08:37
4084428009	A133708-09	Water	09/04/13 13:58	09/11/13 08:37
4084428010	A133708-10	Water	09/05/13 08:01	09/11/13 08:37
4084428011	A133708-11	Water	09/05/13 08:32	09/11/13 08:37
4084428012	A133708-12	Water	09/05/13 09:07	09/11/13 08:37
4084428013	A133708-13	Water	09/05/13 09:32	09/11/13 08:37
4084428014	A133708-14	Water	09/05/13 09:52	09/11/13 08:37
4084428015	A133708-15	Water	09/05/13 12:05	09/11/13 08:37
4084428016	A133708-16	Water	09/05/13 12:53	09/11/13 08:37
4084428017	A133708-17	Water	09/05/13 10:39	09/11/13 08:37
4084428018	A133708-18	Water	09/05/13 13:38	09/11/13 08:37
4084428019	A133708-19	Water	09/05/13 14:26	09/11/13 08:37
4084428020	A133708-20	Water	09/05/13 13:34	09/11/13 08:37
4084428021	A133708-21	Water	09/05/13 12:50	09/11/13 08:37
4084428022	A133708-22	Water	09/05/13 13:01	09/11/13 08:37

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### SAMPLE ANALYTE COUNT

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4084428001	A133708-01	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428002	A133708-02	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428003	A133708-03	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428004	A133708-04	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428005	A133708-05	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428006	A133708-06	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428007	A133708-07	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428008	A133708-08	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428009	A133708-09	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428010	A133708-10	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428011	A133708-11	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428012	A133708-12	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428013	A133708-13	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428014	A133708-14	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428015	A133708-15	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428016	A133708-16	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428017	A133708-17	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428018	A133708-18	EPA 6020	DS1	11
		EPA 7470	CMS	1
4084428019	A133708-19	EPA 6020	DS1	11

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### SAMPLE ANALYTE COUNT

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4084428020	A133708-20	EPA 7470	CMS	1
		EPA 6020	DS1	11
4084428021	A133708-21	EPA 7470	CMS	1
		EPA 6020	DS1	11
4084428022	A133708-22	EPA 7470	CMS	1
		EPA 6020	DS1	11
		EPA 7470	CMS	1

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-01**      **Lab ID: 4084428001**      Collected: 09/04/13 09:25      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 05:25	7429-90-5	
Arsenic	0.69J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 05:25	7440-38-2	
Barium	224	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 05:25	7440-39-3	
Cadmium	0.13J	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 05:25	7440-43-9	
Chromium	0.32J	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 05:25	7440-47-3	
Copper	2.2	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 05:25	7440-50-8	B
Lead	0.18J	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 05:25	7439-92-1	
Nickel	2.6	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 05:25	7440-02-0	
Selenium	3.8	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 05:25	7782-49-2	
Silver	0.053J	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 05:25	7440-22-4	
Zinc	7.6J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 05:25	7440-66-6	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470    Preparation Method: EPA 7470									
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 11:41	7439-97-6	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-02**      **Lab ID: 4084428002**      Collected: 09/04/13 10:00      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<b>23.2J</b>	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 05:50	7429-90-5	
Arsenic	<b>0.64J</b>	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 05:50	7440-38-2	
Barium	<b>98.6</b>	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 05:50	7440-39-3	
Cadmium	<b>0.16J</b>	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 05:50	7440-43-9	
Chromium	<b>2.0</b>	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 05:50	7440-47-3	
Copper	<b>3.6</b>	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 05:50	7440-50-8	
Lead	<b>0.24J</b>	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 05:50	7439-92-1	
Nickel	<b>26.2</b>	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 05:50	7440-02-0	
Selenium	<b>0.50J</b>	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 05:50	7782-49-2	
Silver	<b>0.076J</b>	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 05:50	7440-22-4	
Zinc	<b>7.5J</b>	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 05:50	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 11:48	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-03**      **Lab ID: 4084428003**      Collected: 09/04/13 10:30      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 06:03	7429-90-5	
Arsenic	0.53J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 06:03	7440-38-2	
Barium	18.6	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 06:03	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 06:03	7440-43-9	
Chromium	<0.24	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 06:03	7440-47-3	
Copper	1.6	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 06:03	7440-50-8	B
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 06:03	7439-92-1	
Nickel	0.68J	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 06:03	7440-02-0	
Selenium	<0.26	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 06:03	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 06:03	7440-22-4	
Zinc	2.5J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 06:03	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 11:50	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-04**      **Lab ID: 4084428004**      Collected: 09/04/13 10:58      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Aluminum	<b>116J</b>	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 06:10	7429-90-5	
Arsenic	<b>0.51J</b>	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 06:10	7440-38-2	
Barium	<b>87.6</b>	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 06:10	7440-39-3	
Cadmium	<b>&lt;0.057</b>	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 06:10	7440-43-9	
Chromium	<b>5.6</b>	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 06:10	7440-47-3	
Copper	<b>7.7</b>	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 06:10	7440-50-8	
Lead	<b>0.12J</b>	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 06:10	7439-92-1	
Nickel	<b>12.1</b>	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 06:10	7440-02-0	
Selenium	<b>0.48J</b>	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 06:10	7782-49-2	
Silver	<b>&lt;0.025</b>	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 06:10	7440-22-4	
Zinc	<b>4.3J</b>	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 06:10	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 11:56	7439-97-6	

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## ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-05**      **Lab ID: 4084428005**      Collected: 09/04/13 11:29      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<116	ug/L	1250	116	5	09/12/13 09:10	09/17/13 06:29	7429-90-5	D3
Arsenic	0.70J	ug/L	5.0	0.61	5	09/12/13 09:10	09/17/13 06:29	7440-38-2	D3
Barium	1680	ug/L	5.0	0.31	5	09/12/13 09:10	09/17/13 06:29	7440-39-3	
Cadmium	<0.28	ug/L	5.0	0.28	5	09/12/13 09:10	09/17/13 06:29	7440-43-9	D3
Chromium	<1.2	ug/L	5.0	1.2	5	09/12/13 09:10	09/17/13 06:29	7440-47-3	D3
Copper	19.0	ug/L	5.0	1.0	5	09/12/13 09:10	09/17/13 06:29	7440-50-8	
Lead	<0.32	ug/L	5.0	0.32	5	09/12/13 09:10	09/17/13 06:29	7439-92-1	D3
Nickel	3.8J	ug/L	5.0	0.63	5	09/12/13 09:10	09/17/13 06:29	7440-02-0	D3
Selenium	<1.3	ug/L	5.0	1.3	5	09/12/13 09:10	09/17/13 06:29	7782-49-2	D3
Silver	<0.13	ug/L	2.5	0.13	5	09/12/13 09:10	09/17/13 06:29	7440-22-4	D3
Zinc	<12.0	ug/L	50.0	12.0	5	09/12/13 09:10	09/17/13 06:29	7440-66-6	D3
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 11:58	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-06**      **Lab ID: 4084428006**      Collected: 09/04/13 11:39      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<116	ug/L	1250	116	5	09/12/13 09:10	09/17/13 06:35	7429-90-5	D3
Arsenic	0.94J	ug/L	5.0	0.61	5	09/12/13 09:10	09/17/13 06:35	7440-38-2	D3
Barium	1600	ug/L	5.0	0.31	5	09/12/13 09:10	09/17/13 06:35	7440-39-3	
Cadmium	<0.28	ug/L	5.0	0.28	5	09/12/13 09:10	09/17/13 06:35	7440-43-9	D3
Chromium	<1.2	ug/L	5.0	1.2	5	09/12/13 09:10	09/17/13 06:35	7440-47-3	D3
Copper	13.4	ug/L	5.0	1.0	5	09/12/13 09:10	09/17/13 06:35	7440-50-8	
Lead	<0.32	ug/L	5.0	0.32	5	09/12/13 09:10	09/17/13 06:35	7439-92-1	D3
Nickel	3.6J	ug/L	5.0	0.63	5	09/12/13 09:10	09/17/13 06:35	7440-02-0	D3
Selenium	<1.3	ug/L	5.0	1.3	5	09/12/13 09:10	09/17/13 06:35	7782-49-2	D3
Silver	<0.13	ug/L	2.5	0.13	5	09/12/13 09:10	09/17/13 06:35	7440-22-4	D3
Zinc	<12.0	ug/L	50.0	12.0	5	09/12/13 09:10	09/17/13 06:35	7440-66-6	D3
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:00	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-07**      **Lab ID: 4084428007**      Collected: 09/04/13 11:54      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020    Preparation Method: EPA 3010									
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 06:42	7429-90-5	
Arsenic	1.1	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 06:42	7440-38-2	
Barium	244	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 06:42	7440-39-3	
Cadmium	0.24J	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 06:42	7440-43-9	
Chromium	<0.24	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 06:42	7440-47-3	
Copper	3.6	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 06:42	7440-50-8	
Lead	0.11J	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 06:42	7439-92-1	
Nickel	3.6	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 06:42	7440-02-0	
Selenium	2.1	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 06:42	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 06:42	7440-22-4	
Zinc	13.4	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 06:42	7440-66-6	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470    Preparation Method: EPA 7470									
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:02	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-08**      **Lab ID: 4084428008**      Collected: 09/04/13 12:22      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<231	ug/L	2500	231	10	09/12/13 09:10	09/17/13 06:48	7429-90-5	D3
Arsenic	2.2J	ug/L	10.0	1.2	10	09/12/13 09:10	09/17/13 06:48	7440-38-2	D3
Barium	2200	ug/L	10.0	0.62	10	09/12/13 09:10	09/17/13 06:48	7440-39-3	
Cadmium	1.2J	ug/L	10.0	0.57	10	09/12/13 09:10	09/17/13 06:48	7440-43-9	D3
Chromium	<2.4	ug/L	10.0	2.4	10	09/12/13 09:10	09/17/13 06:48	7440-47-3	D3
Copper	5.2J	ug/L	10.0	2.1	10	09/12/13 09:10	09/17/13 06:48	7440-50-8	D3
Lead	<0.64	ug/L	10.0	0.64	10	09/12/13 09:10	09/17/13 06:48	7439-92-1	D3
Nickel	21.9	ug/L	10.0	1.3	10	09/12/13 09:10	09/17/13 06:48	7440-02-0	
Selenium	<2.6	ug/L	10.0	2.6	10	09/12/13 09:10	09/17/13 06:48	7782-49-2	D3
Silver	<0.25	ug/L	5.0	0.25	10	09/12/13 09:10	09/17/13 06:48	7440-22-4	D3
Zinc	40.2J	ug/L	100	24.0	10	09/12/13 09:10	09/17/13 06:48	7440-66-6	D3
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:04	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-09**      **Lab ID: 4084428009**      Collected: 09/04/13 13:58      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<116	ug/L	1250	116	5	09/12/13 09:10	09/17/13 06:54	7429-90-5	D3
Arsenic	1.5J	ug/L	5.0	0.61	5	09/12/13 09:10	09/17/13 06:54	7440-38-2	D3
Barium	192	ug/L	5.0	0.31	5	09/12/13 09:10	09/17/13 06:54	7440-39-3	
Cadmium	<0.28	ug/L	5.0	0.28	5	09/12/13 09:10	09/17/13 06:54	7440-43-9	D3
Chromium	<1.2	ug/L	5.0	1.2	5	09/12/13 09:10	09/17/13 06:54	7440-47-3	D3
Copper	1.3J	ug/L	5.0	1.0	5	09/12/13 09:10	09/17/13 06:54	7440-50-8	B,D3
Lead	<0.32	ug/L	5.0	0.32	5	09/12/13 09:10	09/17/13 06:54	7439-92-1	D3
Nickel	5.6	ug/L	5.0	0.63	5	09/12/13 09:10	09/17/13 06:54	7440-02-0	
Selenium	<1.3	ug/L	5.0	1.3	5	09/12/13 09:10	09/17/13 06:54	7782-49-2	D3
Silver	<0.13	ug/L	2.5	0.13	5	09/12/13 09:10	09/17/13 06:54	7440-22-4	D3
Zinc	<12.0	ug/L	50.0	12.0	5	09/12/13 09:10	09/17/13 06:54	7440-66-6	D3
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:06	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

Sample: **A133708-10** Lab ID: **4084428010** Collected: 09/05/13 08:01 Received: 09/11/13 08:37 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 07:01	7429-90-5	
Arsenic	0.56J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 07:01	7440-38-2	
Barium	55.8	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 07:01	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 07:01	7440-43-9	
Chromium	<0.24	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 07:01	7440-47-3	
Copper	2.1	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 07:01	7440-50-8	B
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 07:01	7439-92-1	
Nickel	1.7	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 07:01	7440-02-0	
Selenium	1.4	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 07:01	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 07:01	7440-22-4	
Zinc	3.5J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 07:01	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:08	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-11**      **Lab ID: 4084428011**      Collected: 09/05/13 08:32      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 07:07	7429-90-5	
Arsenic	0.30J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 07:07	7440-38-2	
Barium	138	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 07:07	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 07:07	7440-43-9	
Chromium	0.27J	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 07:07	7440-47-3	
Copper	2.2	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 07:07	7440-50-8	B
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 07:07	7439-92-1	
Nickel	285	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 07:07	7440-02-0	
Selenium	<0.26	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 07:07	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 07:07	7440-22-4	
Zinc	3.9J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 07:07	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:10	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-12**      **Lab ID: 4084428012**      Collected: 09/05/13 09:07      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 07:13	7429-90-5	
Arsenic	0.77J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 07:13	7440-38-2	
Barium	28.7	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 07:13	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 07:13	7440-43-9	
Chromium	<0.24	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 07:13	7440-47-3	
Copper	1.3	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 07:13	7440-50-8	B
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 07:13	7439-92-1	
Nickel	1.5	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 07:13	7440-02-0	
Selenium	<0.26	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 07:13	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 07:13	7440-22-4	
Zinc	7.6J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 07:13	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:12	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-13**      **Lab ID: 4084428013**      Collected: 09/05/13 09:32      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<b>174J</b>	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 07:20	7429-90-5	
Arsenic	<b>1.0</b>	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 07:20	7440-38-2	
Barium	<b>37.1</b>	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 07:20	7440-39-3	
Cadmium	<b>&lt;0.057</b>	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 07:20	7440-43-9	
Chromium	<b>0.48J</b>	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 07:20	7440-47-3	
Copper	<b>3.5</b>	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 07:20	7440-50-8	
Lead	<b>0.41J</b>	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 07:20	7439-92-1	
Nickel	<b>3.1</b>	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 07:20	7440-02-0	
Selenium	<b>&lt;0.26</b>	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 07:20	7782-49-2	
Silver	<b>&lt;0.025</b>	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 07:20	7440-22-4	
Zinc	<b>53.4</b>	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 07:20	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:14	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-14**      **Lab ID: 4084428014**      Collected: 09/05/13 09:52      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<116	ug/L	1250	116	5	09/12/13 09:10	09/17/13 07:26	7429-90-5	D3
Arsenic	2.8J	ug/L	5.0	0.61	5	09/12/13 09:10	09/17/13 07:26	7440-38-2	D3
Barium	590	ug/L	5.0	0.31	5	09/12/13 09:10	09/17/13 07:26	7440-39-3	
Cadmium	<0.28	ug/L	5.0	0.28	5	09/12/13 09:10	09/17/13 07:26	7440-43-9	D3
Chromium	<1.2	ug/L	5.0	1.2	5	09/12/13 09:10	09/17/13 07:26	7440-47-3	D3
Copper	<1.0	ug/L	5.0	1.0	5	09/12/13 09:10	09/17/13 07:26	7440-50-8	D3
Lead	<0.32	ug/L	5.0	0.32	5	09/12/13 09:10	09/17/13 07:26	7439-92-1	D3
Nickel	14.4	ug/L	5.0	0.63	5	09/12/13 09:10	09/17/13 07:26	7440-02-0	
Selenium	<1.3	ug/L	5.0	1.3	5	09/12/13 09:10	09/17/13 07:26	7782-49-2	D3
Silver	<0.13	ug/L	2.5	0.13	5	09/12/13 09:10	09/17/13 07:26	7440-22-4	D3
Zinc	13.1J	ug/L	50.0	12.0	5	09/12/13 09:10	09/17/13 07:26	7440-66-6	D3
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:21	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-15**      **Lab ID: 4084428015**      Collected: 09/05/13 12:05      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<46.3	ug/L	500	46.3	2	09/12/13 09:10	09/17/13 07:45	7429-90-5	D3
Arsenic	4.9	ug/L	2.0	0.24	2	09/12/13 09:10	09/17/13 07:45	7440-38-2	
Barium	715	ug/L	2.0	0.12	2	09/12/13 09:10	09/17/13 07:45	7440-39-3	
Cadmium	<0.11	ug/L	2.0	0.11	2	09/12/13 09:10	09/17/13 07:45	7440-43-9	D3
Chromium	2.7	ug/L	2.0	0.48	2	09/12/13 09:10	09/17/13 07:45	7440-47-3	
Copper	0.51J	ug/L	2.0	0.41	2	09/12/13 09:10	09/17/13 07:45	7440-50-8	B,D3
Lead	<0.13	ug/L	2.0	0.13	2	09/12/13 09:10	09/17/13 07:45	7439-92-1	D3
Nickel	2.8	ug/L	2.0	0.25	2	09/12/13 09:10	09/17/13 07:45	7440-02-0	
Selenium	<0.52	ug/L	2.0	0.52	2	09/12/13 09:10	09/17/13 07:45	7782-49-2	D3
Silver	<0.051	ug/L	1.0	0.051	2	09/12/13 09:10	09/17/13 07:45	7440-22-4	D3
Zinc	15.1J	ug/L	20.0	4.8	2	09/12/13 09:10	09/17/13 07:45	7440-66-6	D3
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:23	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-16**      **Lab ID: 4084428016**      Collected: 09/05/13 12:53      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 07:52	7429-90-5	
Arsenic	0.27J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 07:52	7440-38-2	
Barium	78.3	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 07:52	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 07:52	7440-43-9	
Chromium	0.76J	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 07:52	7440-47-3	
Copper	2.1	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 07:52	7440-50-8	B
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 07:52	7439-92-1	
Nickel	6.8	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 07:52	7440-02-0	
Selenium	2.7	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 07:52	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 07:52	7440-22-4	
Zinc	5.9J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 07:52	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:25	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS  
Pace Project No.: 4084428

**Sample: A133708-17**      **Lab ID: 4084428017**      Collected: 09/05/13 10:39      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 07:58	7429-90-5	
Arsenic	0.32J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 07:58	7440-38-2	
Barium	89.2	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 07:58	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 07:58	7440-43-9	
Chromium	<0.24	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 07:58	7440-47-3	
Copper	1.1	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 07:58	7440-50-8	B
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 07:58	7439-92-1	
Nickel	1.9	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 07:58	7440-02-0	
Selenium	<0.26	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 07:58	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 07:58	7440-22-4	
Zinc	3.7J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 07:58	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:27	7439-97-6	

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## ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-18**      **Lab ID: 4084428018**      Collected: 09/05/13 13:38      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 08:04	7429-90-5	
Arsenic	0.56J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 08:04	7440-38-2	
Barium	62.6	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 08:04	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 08:04	7440-43-9	
Chromium	0.48J	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 08:04	7440-47-3	
Copper	2.4	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 08:04	7440-50-8	B
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 08:04	7439-92-1	
Nickel	5.2	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 08:04	7440-02-0	
Selenium	2.7	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 08:04	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 08:04	7440-22-4	
Zinc	4.4J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 08:04	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:29	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-19**      **Lab ID: 4084428019**      Collected: 09/05/13 14:26      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 08:11	7429-90-5	
Arsenic	0.44J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 08:11	7440-38-2	
Barium	122	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 08:11	7440-39-3	
Cadmium	<0.057	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 08:11	7440-43-9	
Chromium	1.8	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 08:11	7440-47-3	
Copper	7.3	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 08:11	7440-50-8	
Lead	<0.064	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 08:11	7439-92-1	
Nickel	14.0	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 08:11	7440-02-0	
Selenium	1.2	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 08:11	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 08:11	7440-22-4	
Zinc	6.5J	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 08:11	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:31	7439-97-6	

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## ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-20**      **Lab ID: 4084428020**      Collected: 09/05/13 13:34      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Aluminum	<23.1	ug/L	250	23.1	1	09/12/13 09:10	09/17/13 08:17	7429-90-5	
Arsenic	0.80J	ug/L	1.0	0.12	1	09/12/13 09:10	09/17/13 08:17	7440-38-2	
Barium	327	ug/L	1.0	0.062	1	09/12/13 09:10	09/17/13 08:17	7440-39-3	
Cadmium	0.31J	ug/L	1.0	0.057	1	09/12/13 09:10	09/17/13 08:17	7440-43-9	
Chromium	0.64J	ug/L	1.0	0.24	1	09/12/13 09:10	09/17/13 08:17	7440-47-3	
Copper	13.9	ug/L	1.0	0.21	1	09/12/13 09:10	09/17/13 08:17	7440-50-8	
Lead	0.067J	ug/L	1.0	0.064	1	09/12/13 09:10	09/17/13 08:17	7439-92-1	
Nickel	35.3	ug/L	1.0	0.13	1	09/12/13 09:10	09/17/13 08:17	7440-02-0	
Selenium	0.98J	ug/L	1.0	0.26	1	09/12/13 09:10	09/17/13 08:17	7782-49-2	
Silver	<0.025	ug/L	0.50	0.025	1	09/12/13 09:10	09/17/13 08:17	7440-22-4	
Zinc	79.5	ug/L	10.0	2.4	1	09/12/13 09:10	09/17/13 08:17	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/11/13 14:17	09/12/13 12:33	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-21**      **Lab ID: 4084428021**      Collected: 09/05/13 12:50      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020    Preparation Method: EPA 3010							
Aluminum	<116	ug/L	1250	116	5	08/12/13 08:55	09/17/13 02:57	7429-90-5	D3
Arsenic	2.1J	ug/L	5.0	0.61	5	08/12/13 08:55	09/17/13 02:57	7440-38-2	D3
Barium	173	ug/L	5.0	0.31	5	08/12/13 08:55	09/17/13 02:57	7440-39-3	
Cadmium	2.7J	ug/L	5.0	0.28	5	08/12/13 08:55	09/17/13 02:57	7440-43-9	D3
Chromium	<1.2	ug/L	5.0	1.2	5	08/12/13 08:55	09/17/13 02:57	7440-47-3	D3
Copper	18.4	ug/L	5.0	1.0	5	08/12/13 08:55	09/17/13 02:57	7440-50-8	
Lead	2.9J	ug/L	5.0	0.32	5	08/12/13 08:55	09/17/13 02:57	7439-92-1	D3
Nickel	17.3	ug/L	5.0	0.63	5	08/12/13 08:55	09/17/13 02:57	7440-02-0	
Selenium	2.4J	ug/L	5.0	1.3	5	08/12/13 08:55	09/17/13 02:57	7782-49-2	D3
Silver	<0.13	ug/L	2.5	0.13	5	08/12/13 08:55	09/17/13 02:57	7440-22-4	D3
Zinc	52.8	ug/L	50.0	12.0	5	08/12/13 08:55	09/17/13 02:57	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470    Preparation Method: EPA 7470							
Mercury	<0.10	ug/L	0.20	0.10	1	09/16/13 14:30	09/17/13 10:29	7439-97-6	

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### ANALYTICAL RESULTS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

**Sample: A133708-22**      **Lab ID: 4084428022**      Collected: 09/05/13 13:01      Received: 09/11/13 08:37      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020 Preparation Method: EPA 3010							
Aluminum	<b>36.4J</b>	ug/L	250	23.1	1	08/12/13 08:55	09/17/13 03:04	7429-90-5	
Arsenic	<b>1.6</b>	ug/L	1.0	0.12	1	08/12/13 08:55	09/17/13 03:04	7440-38-2	
Barium	<b>26.1</b>	ug/L	1.0	0.062	1	08/12/13 08:55	09/17/13 03:04	7440-39-3	
Cadmium	<b>0.082J</b>	ug/L	1.0	0.057	1	08/12/13 08:55	09/17/13 03:04	7440-43-9	
Chromium	<b>&lt;0.24</b>	ug/L	1.0	0.24	1	08/12/13 08:55	09/17/13 03:04	7440-47-3	
Copper	<b>6.0</b>	ug/L	1.0	0.21	1	08/12/13 08:55	09/17/13 03:04	7440-50-8	
Lead	<b>0.36J</b>	ug/L	1.0	0.064	1	08/12/13 08:55	09/17/13 03:04	7439-92-1	
Nickel	<b>2.3</b>	ug/L	1.0	0.13	1	08/12/13 08:55	09/17/13 03:04	7440-02-0	
Selenium	<b>0.44J</b>	ug/L	1.0	0.26	1	08/12/13 08:55	09/17/13 03:04	7782-49-2	
Silver	<b>&lt;0.025</b>	ug/L	0.50	0.025	1	08/12/13 08:55	09/17/13 03:04	7440-22-4	
Zinc	<b>7.1J</b>	ug/L	10.0	2.4	1	08/12/13 08:55	09/17/13 03:04	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	<b>&lt;0.10</b>	ug/L	0.20	0.10	1	09/16/13 14:30	09/17/13 10:31	7439-97-6	

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**QUALITY CONTROL DATA**

Project: A133708 FORMER WABASH ALLOYS  
Pace Project No.: 4084428

QC Batch: MERP/3847 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 4084428001, 4084428002, 4084428003, 4084428004, 4084428005, 4084428006, 4084428007, 4084428008, 4084428009, 4084428010, 4084428011, 4084428012, 4084428013, 4084428014, 4084428015, 4084428016, 4084428017, 4084428018, 4084428019, 4084428020

METHOD BLANK: 853156 Matrix: Water  
Associated Lab Samples: 4084428001, 4084428002, 4084428003, 4084428004, 4084428005, 4084428006, 4084428007, 4084428008, 4084428009, 4084428010, 4084428011, 4084428012, 4084428013, 4084428014, 4084428015, 4084428016, 4084428017, 4084428018, 4084428019, 4084428020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	09/12/13 11:37	

LABORATORY CONTROL SAMPLE: 853157

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: 853158 853159

Parameter	Units	4084428001 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	5.1	102	101	85-115	1	20	

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### QUALITY CONTROL DATA

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

QC Batch: MERP/3852

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 4084428021, 4084428022

METHOD BLANK: 856179

Matrix: Water

Associated Lab Samples: 4084428021, 4084428022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.10	0.20	09/17/13 10:01	

LABORATORY CONTROL SAMPLE: 856180

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: 856181

856182

Parameter	Units	4084703002		MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Mercury	ug/L	<0.10		5	5	5.0	5.1	99	100	85-115	1	20			

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**QUALITY CONTROL DATA**

Project: A133708 FORMER WABASH ALLOYS  
Pace Project No.: 4084428

QC Batch: MPRP/9091 Analysis Method: EPA 6020  
QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
Associated Lab Samples: 4084428021, 4084428022

METHOD BLANK: 853364 Matrix: Water

Associated Lab Samples: 4084428021, 4084428022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<23.1	250	09/17/13 00:50	
Arsenic	ug/L	<0.12	1.0	09/17/13 00:50	
Barium	ug/L	<0.062	1.0	09/17/13 00:50	
Cadmium	ug/L	<0.057	1.0	09/17/13 00:50	
Chromium	ug/L	<0.24	1.0	09/17/13 00:50	
Copper	ug/L	0.24J	1.0	09/17/13 00:50	
Lead	ug/L	<0.064	1.0	09/17/13 00:50	
Nickel	ug/L	<0.13	1.0	09/17/13 00:50	
Selenium	ug/L	<0.26	1.0	09/17/13 00:50	
Silver	ug/L	<0.025	0.50	09/17/13 00:50	
Zinc	ug/L	<2.4	10.0	09/17/13 00:50	

LABORATORY CONTROL SAMPLE: 853365

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5030	101	80-120	
Arsenic	ug/L	500	516	103	80-120	
Barium	ug/L	500	496	99	80-120	
Cadmium	ug/L	500	517	103	80-120	
Chromium	ug/L	500	497	99	80-120	
Copper	ug/L	500	506	101	80-120	
Lead	ug/L	500	505	101	80-120	
Nickel	ug/L	500	512	102	80-120	
Selenium	ug/L	500	527	105	80-120	
Silver	ug/L	250	256	102	80-120	
Zinc	ug/L	500	526	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 853366 853367

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		4084145001 Result	Spike Conc.	Spike Conc.	MS Result								
Aluminum	ug/L	<23.1	5000	5000	4930	4980	98	99	75-125	1	20		
Arsenic	ug/L	4.2	500	500	517	526	103	104	75-125	2	20		
Barium	ug/L	144	500	500	644	646	100	101	75-125	0	20		
Cadmium	ug/L	0.15J	500	500	518	517	104	103	75-125	0	20		
Chromium	ug/L	<0.24	500	500	496	502	99	100	75-125	1	20		
Copper	ug/L	0.99J	500	500	489	497	98	99	75-125	2	20		
Lead	ug/L	2.0	500	500	509	514	101	102	75-125	1	20		
Nickel	ug/L	1.6	500	500	498	504	99	101	75-125	1	20		
Selenium	ug/L	<0.26	500	500	522	533	104	107	75-125	2	20		

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### QUALITY CONTROL DATA

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

Parameter	Units	4084145001		853366		853367		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec								
Silver	ug/L	0.063J	250	250	248	249	99	100	75-125	1	20				
Zinc	ug/L	25.2	500	500	543	552	104	105	75-125	2	20				

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### QUALITY CONTROL DATA

Project: A133708 FORMER WABASH ALLOYS  
Pace Project No.: 4084428

QC Batch: MPRP/9092 Analysis Method: EPA 6020  
QC Batch Method: EPA 3010 Analysis Description: 6020 MET  
Associated Lab Samples: 4084428001, 4084428002, 4084428003, 4084428004, 4084428005, 4084428006, 4084428007, 4084428008, 4084428009, 4084428010, 4084428011, 4084428012, 4084428013, 4084428014, 4084428015, 4084428016, 4084428017, 4084428018, 4084428019, 4084428020

METHOD BLANK: 853368 Matrix: Water

Associated Lab Samples: 4084428001, 4084428002, 4084428003, 4084428004, 4084428005, 4084428006, 4084428007, 4084428008, 4084428009, 4084428010, 4084428011, 4084428012, 4084428013, 4084428014, 4084428015, 4084428016, 4084428017, 4084428018, 4084428019, 4084428020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<23.1	250	09/17/13 05:12	
Arsenic	ug/L	<0.12	1.0	09/17/13 05:12	
Barium	ug/L	<0.062	1.0	09/17/13 05:12	
Cadmium	ug/L	<0.057	1.0	09/17/13 05:12	
Chromium	ug/L	<0.24	1.0	09/17/13 05:12	
Copper	ug/L	0.25J	1.0	09/17/13 05:12	
Lead	ug/L	<0.064	1.0	09/17/13 05:12	
Nickel	ug/L	<0.13	1.0	09/17/13 05:12	
Selenium	ug/L	<0.26	1.0	09/17/13 05:12	
Silver	ug/L	<0.025	0.50	09/17/13 05:12	
Zinc	ug/L	<2.4	10.0	09/17/13 05:12	

LABORATORY CONTROL SAMPLE: 853369

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5140	103	80-120	
Arsenic	ug/L	500	515	103	80-120	
Barium	ug/L	500	516	103	80-120	
Cadmium	ug/L	500	520	104	80-120	
Chromium	ug/L	500	500	100	80-120	
Copper	ug/L	500	506	101	80-120	
Lead	ug/L	500	518	104	80-120	
Nickel	ug/L	500	508	102	80-120	
Selenium	ug/L	500	522	104	80-120	
Silver	ug/L	250	256	102	80-120	
Zinc	ug/L	500	526	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 853370 853371

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		4084428001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Aluminum	ug/L	<23.1	5000	5000	4950	5000	99	100	75-125	1	20	
Arsenic	ug/L	0.69J	500	500	526	533	105	106	75-125	1	20	
Barium	ug/L	224	500	500	742	747	104	105	75-125	1	20	
Cadmium	ug/L	0.13J	500	500	507	522	101	104	75-125	3	20	
Chromium	ug/L	0.32J	500	500	495	500	99	100	75-125	1	20	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 853370												853371	
Parameter	Units	4084428001		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Copper	ug/L	2.2	500	500	490	496	98	99	75-125	1	20		
Lead	ug/L	0.18J	500	500	522	519	104	104	75-125	1	20		
Nickel	ug/L	2.6	500	500	496	501	99	100	75-125	1	20		
Selenium	ug/L	3.8	500	500	525	533	104	106	75-125	2	20		
Silver	ug/L	0.053J	250	250	241	242	96	97	75-125	0	20		
Zinc	ug/L	7.6J	500	500	526	534	104	105	75-125	1	20		

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## QUALIFIERS

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

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### 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

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.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: A133708 FORMER WABASH ALLOYS

Pace Project No.: 4084428

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4084428001	A133708-01	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428002	A133708-02	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428003	A133708-03	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428004	A133708-04	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428005	A133708-05	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428006	A133708-06	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428007	A133708-07	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428008	A133708-08	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428009	A133708-09	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428010	A133708-10	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428011	A133708-11	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428012	A133708-12	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428013	A133708-13	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428014	A133708-14	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428015	A133708-15	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428016	A133708-16	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428017	A133708-17	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428018	A133708-18	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428019	A133708-19	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428020	A133708-20	EPA 3010	MPRP/9092	EPA 6020	ICPM/4083
4084428021	A133708-21	EPA 3010	MPRP/9091	EPA 6020	ICPM/4082
4084428022	A133708-22	EPA 3010	MPRP/9091	EPA 6020	ICPM/4082
4084428001	A133708-01	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428002	A133708-02	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428003	A133708-03	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428004	A133708-04	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428005	A133708-05	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428006	A133708-06	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428007	A133708-07	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428008	A133708-08	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428009	A133708-09	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428010	A133708-10	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428011	A133708-11	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428012	A133708-12	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428013	A133708-13	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428014	A133708-14	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428015	A133708-15	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428016	A133708-16	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428017	A133708-17	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428018	A133708-18	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428019	A133708-19	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428020	A133708-20	EPA 7470	MERP/3847	EPA 7470	MERC/4888
4084428021	A133708-21	EPA 7470	MERP/3852	EPA 7470	MERC/4899
4084428022	A133708-22	EPA 7470	MERP/3852	EPA 7470	MERC/4899

### REPORT OF LABORATORY ANALYSIS

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SUBCONTRACT ORDER

ECCS

A133708

✓m A

4084428

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

Rush

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

Lab ID	Sample Type	Sampled	Laboratory ID	Comments
A133708-01	Water	09/04/2013 09:25	001	MA 9/11/13 1-250mL <sup>p</sup> plus al. cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				
A133708-02	Water	09/04/2013 10:00	002	1-250mL <sup>p</sup> plus al. cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				
A133708-03	Water	09/04/2013 10:30	003	1-250mL <sup>p</sup> plus al. cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				
A133708-04	Water	09/04/2013 10:58	004	1-250mL <sup>p</sup> plus al. cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				
A133708-05	Water	09/04/2013 11:29	005	1-250mL <sup>p</sup> plus al. cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				

Jessica Esser 09-10-13 11:00

Released By

Date

Received By

Date

Dunham

9/11/13 0837

Mary Ann Pace

9/11/13 0837

Released By

Date

Received By

Date

4084428



SUBCONTRACT ORDER

ECCS  
A133708

4084428

Lab ID	Sample Type	Sampled	Laboratory ID	Comments
A133708-06	Water	09/04/2013 11:39	006	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-07	Water	09/04/2013 11:54	007	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-08	Water	09/04/2013 12:22	008	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-09	Water	09/04/2013 13:58	009	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-10	Water	09/05/2013 08:01	010	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-11	Water	09/05/2013 08:32	011	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-12	Water	09/05/2013 09:07	012	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2

Released By: Jessica Esner Date: 09-10-13 1400
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Released By: Dunham Date: 9/11/13 0837
 Received By: Margy Pace Date: 9/11/13 0837



SUBCONTRACT ORDER

ECCS  
A133708

4084428

Lab ID	Sample Type	Sampled	Laboratory ID	Comments
A133708-13	Water	09/05/2013 09:32	013	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-14	Water	09/05/2013 09:52	014	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-15	Water	09/05/2013 12:05	015	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-16	Water	09/05/2013 12:53	016	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-17	Water	09/05/2013 10:39	017	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-18	Water	09/05/2013 13:38	018	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2
A133708-19	Water	09/05/2013 14:26	019	1-250mL <sup>D</sup> RCRA Metals plus al, cu, ni, zn - method 6020 for waters <i>Containers Supplied:</i> 17_250mL Plastic pH <2

Released By: Jessica [Signature] Date: 09-10-13 1000  
 Received By: [Signature] Date: 9/11/13 0837  
 Released By: Dunham Date: 9/11/13 0837  
 Received By: [Signature] Date: 9/11/13 0837



SUBCONTRACT ORDER

ECCS

A133708

4084428

			Laboratory ID	Comments
Lab ID: A133708-20	Water	Sampled: 09/04/2013 13:34	020	1-250mL <sup>d</sup>
RCRA Metals				plus al, cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				
Lab ID: A133708-21	Water	Sampled: 09/04/2013 12:50	021	1-250mL <sup>d</sup>
RCRA Metals				plus al, cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				
Lab ID: A133708-22	Water	Sampled: 09/04/2013 13:01	022	1-250mL <sup>d</sup>
RCRA Metals				plus al, cu, ni, zn - method 6020 for waters
<i>Containers Supplied:</i> 17_250mL Plastic pH <2				

Jessica E... 09-10-13 1600

Released By

Date

Received By

Date

Dunham

9/11/13 0837

Ma... Pace CB

9/11/13 0837

Released By

Date

Received By

Date



**Sample Condition Upon Receipt**

Client Name: ECCS Project # 4084428

Courier:  Fed.Ex.  UPS  USPS  Client  Commercial  Pace Other: Dunham  
Tracking #: 597511

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 N/A Type of Ice: Wet Blue Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: N/A /Corr: \_\_\_\_\_ Biological Tissue is Frozen:  yes

Temp Blank Present:  yes  no  no

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

Person examining contents:  
Date: 9/11/13  
Initials: \_\_\_\_\_

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. 002-container 3/4 full mt 9/11/13
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed <u>MT</u> Lab Std #/ID of preservative Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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: MT for DM Date: 9-11-13