Inorganics - Prelims

303861

Table 5
Preliminary Analytical Data Summary Table - Inorganics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-TW-1001-1	P001-TW-1002-1	P001-TW-1003-1	P001-TW-1004-1	P001-TW-1005-1	P001-TW-1006-1	P001-TW-1007-1	P001-TW-1008-1	P001-TW-1009-1	P001-TW-1010-1	P001-TW-1011-1
CLP Sample ID	MBAZS5	MBAZS6	MBAZS7	MBAZS8	MBAZS9	MBAZT0	MBAZT1	MBAZT2	MBAZT3	MBAZT4	MBAZT5
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	**28.8**	**5.7 J**	**42.4**	**4.5 J**	**7.4 J**	ND	ND	ND	ND	**5.7 J**	**4.0 J**
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	**32**	**0.72 J**	**1.7 J**	**13.6 J**	**6.2 J**	**3.1 J**	**1.3 J**	**0.98 J**	ND	**0.58 J**	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	**542**	**38.1 J**	**116 J**	**125 J**	**167 J**	ND	ND	**75.0 J**	**50.3 J**	**203 J**	**53.0 J**
Chromium	**0.55 J**	ND	ND	**1.1**	**0.46 J**	ND	ND	**0.46 J**	ND	ND	ND
Cobalt	**4.6 J**	**0.91 J**	**2.4 J**	ND	ND	**0.81 J**	ND	ND	**0.93 J**	ND	ND
Copper	**2.1 J**	**0.78 J**	**1.7 J**	ND	**0.66 J**	ND	**0.33 J**	**0.58 J**	**0.57 J**	**1.3 J**	**0.52 J**
Iron	**502**	**75.6**	**86.9**	**120**	**750**	**14.1**	**4.7 J**	**142**	**52.3**	**149**	**17.8**
Lead	**7.8**	**142 E**	**0.57 J**	**2.2**	**21.1**	ND	**0.27 J**	**29.9 E**	ND	**54.5 E**	**0.64 JE**
Magnesium	ND	ND	**72.4 J**	ND	**96.2 J**	ND	ND	ND	ND	ND	ND
Manganese	**7.1**	**0.45 J**	**6.9**	**3.6**	**5.2**	**0.46 J**	**0.4 J**	**1.6**	**0.77 J**	**3.3**	**0.50 J**
Nickel	**0.68 J**	ND	**0.33 J**	**5.1**	**6.5**	ND	**0.34 J**	ND	ND	ND	ND
Potassium	**296 J**	**2,940**	**3,250**	**1,190**	**1,160**	**308 J**	**918**	**185 J**	**305 J**	**264 J**	**233 J**
Selenium	**0.6 J**	**0.74 J**	**0.34 J**	ND	**0.85 J**	**0.48 J**	**0.47 J**	**0.69 J**	ND	**0.39 J**	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**964**	**1,640**	**15,000**	**2,510**	**3,040**	**10,300**	**4,960**	**98.2 J**	**4,070**	**3,200**	**15,400**
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	**0.45 J**	ND	**1.1 J**	ND	ND	ND	ND
Zinc	**72.1**	**9.5**	**51.5**	**23.9**	**65.7**	**2.6 J**	**17.1**	**74.5**	**30.2**	**149**	**87.4**
Mercury	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N	ND N
Cyanide	**0.38 J**	**0.61**	**0.35 J**	**0.28 J**	**0.39 J**	**0.33 J**	**0.42 J**	**2.2**	**0.26 J**	**0.32 J**	**0.26 J**

RST 2 Sample ID	P001-TW-10112-1	P001-TW-1013-1	P001-TW-1014-1	P001-TW-1015-1	P001-TW-1015-2	P001-DW-1016-1	P001-DW-1019-1	P001-DW-1024-1	P001-DW-2001-1	P001-DW-2003-1	P001-DW-2004-1
CLP Sample ID	MBAZT6	MBAZT7	MBAZT8	MBAZT9	MBAZW0	MBB004	MBB005	MBB006	MBAZQ1	MBAZQ2	MBAZQ3
Area	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area01	Area02	Area02	Area02
Sampling Date	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/23/2013	9/27/2013	9/27/2013	9/27/2013	9/20/2013	9/20/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	**79.3**	**3.9 J**	**192**	ND	**7.8 J**	**4.4 J**	**4.3 J**	**518**	**314**	**112**	**44.4**
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	**0.40 J**	ND	ND	**0.35 J**	ND	ND	**1.1**	**0.24 J**	ND
Barium	**2.4 J**	**16.5 J**	**35.9**	ND	**0.66 J**	ND	ND	**100**	**91.2**	**1.3 J**	**3.4 J**
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	**0.96**	ND	**0.18 J**	ND	ND	ND	ND	ND	**0.57**	ND	ND
Calcium	**449 J**	**72.2 J**	**943**	ND	**227 J**	ND	**55.1 J**	**9,290**	**8,550**	**118 J**	**219 J**
Chromium	**1.1**	ND	**4.8**	ND	**0.35 J**	ND	ND	**1.9**	**497**	**1.6**	**7.3**
Cobalt	**1.9 J**	ND	**1.9 J**	ND	ND	ND	**11.3**	**103**	**6.9**	ND	**3.3 J**
Copper	**8.6**	**1.5 J**	**159**	**0.65 J**	**0.85 J**	ND	ND	**15.3**	**14.2**	**1.2 J**	**5.2**
Iron	**1,480**	**91.3**	**2,080**	**5.8 J**	**21.2**	**105**	**16.5**	**2,620**	**32,300 D***	**161**	**649**
Lead	**19.1 E**	**12.1 E**	**50.9 E**	**39.1 E**	**15.4 E**	ND	ND	**3.1**	**22.2**	**0.59 J**	**3.1**
Magnesium	ND	ND	**81.5 J**	ND	**45.5 J**	ND	ND	**485 J**	**250 J**	**81.1 J**	**41.8 J**
Manganese	**6.8**	**0.60 J**	**14.2**	ND	**3.4**	**0.35 J**	**1.7**	**49.0**	**560**	**1.8**	**4.7**
Nickel	**1.7 J**	**0.84 J**	**3.2 J**	ND	ND	ND	ND	**0.71 J**	**8.1**	**2.3 J**	**4.2**
Potassium	**69.3 J**	**105 J**	**546**	**419 J**	**4,010**	ND	ND	**65.9 J**	**1,330**	**1,090**	**391 J**
Selenium	**0.60 J**	**0.96 J**	**0.80 J**	**0.93 J**	**0.49 J**	**4.9**	**0.91 J**	**3.8**	**3.8**	**0.62 J**	**0.34 J**
Silver	ND	ND	ND	ND	ND	ND	ND	**1.6**	ND	ND	ND
Sodium	**87.0 J**	**53.1 J**	**2,080**	**997**	**13,800**	ND	ND	**50.6 J**	**221 J**	**45,500**	**6,400**
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	**0.48 J**	**7.5**	ND	ND
Zinc	**194**	**10.4**	**202**	**3.3 J**	**41.3**	**0.58 J**	**0.27 J**	**7.9**	**229**	**8.8**	**72.7**
Mercury	ND N	ND N	**0.0062 JN**	ND N	ND N	**0.11**	**0.23**	**0.13**	**0.018 J**	ND	ND
Cyanide	**0.26 J**	**0.20 J**	**0.57**	**0.14 J**	**0.63**	ND	**0.60**	**1.8**	**0.28 J**	**0.61**	**0.41 J**

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are **Bolded.**
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was reanalyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed for but not detected .
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - Inorganics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2006-1	P001-DW-2006-2	P001-DW-2007-1	P001-DW-2011-1	P001-DW-2016-1	P001-DG-2020-1	P001-DW-2025-1	P001-DW-2034-1	P001-DW-2036-1	P001-DW-2041-1	P001-DW-2042-1
CLP Sample ID	MBAZQ4	MBAZQ5	MBAZQ6	MBAZQ7	MBAZS4	MBAZW1	MBAZS1	MBAZW2	MBAZS2	MBAZS0	MBAZS3
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/20/2013	9/23/2013	9/24/2013	9/23/2013	9/24/2013	9/23/2013	9/23/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Sludge Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	**18.1 J**	**13.3 J**	**403**	**212**	**124**	**78.0**	**423**	**17.5 J**	**48.0**	**13.1 J**	ND
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	**0.16 J**	**0.19 J**	**0.17 J**	**0.29 J**	ND	**0.51 J**	**0.55 J**	**0.51 J**	**2.5**	ND	ND
Barium	**6.8 J**	**5.2 J**	**22.7**	**40.2**	**12.2 J**	ND	**506**	**0.50 J**	**0.71 J**	**1.5 J**	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	**0.18 J**	**0.12 J**	ND	ND	**0.35 J**	ND	ND	ND	ND
Calcium	**486 J**	**563**	**1,820**	**633**	**748**	ND	**6,670**	**77.9 J**	ND	ND	ND
Chromium	**0.35 J**	**0.5 J**	**16.2**	**12.3**	**0.57 J**	**1,190 DE***	**16.2**	**2.0**	ND	**0.41 J**	ND
Cobalt	ND	ND	**3.8 J**	**1.2 J**	**2.1 J**	**42.3**	**52.4**	**46.5**	ND	**0.55 J**	ND
Copper	**1.1 J**	**0.88 J**	**24.2**	**160**	**2.0 J**	**0.59 J**	**51.7**	**1.0 J**	**1.2 J**	**4.1**	**0.43 J**
Iron	**45.1**	**65.4**	**1,940**	**4,210**	**527**	**38.9**	**7,690**	**5,550**	**23.8**	**75.9**	**142**
Lead	**3.7**	**0.89**	**13.3**	**17.6**	**4.6**	ND	**143**	**4.8**	ND	**0.76 J**	**28.2**
Magnesium	**113 J**	**136 J**	**210 J**	**101 J**	ND	ND	**449 J**	ND	ND	ND	ND
Manganese	**4.4**	**7**	**17.9**	**23.8**	**6.6**	**0.52 J**	**83.8**	**10.7**	**0.63 J**	**0.61 J**	**1.0 J**
Nickel	**0.33 J**	**0.43 J**	**3.7 J**	**2.3 J**	**0.45 J**	**41.8**	**7.1**	**1.4 J**	**0.63 J**	ND	ND
Potassium	**1,400**	**1,620**	**674**	**488**	**16,200**	**1,220**	**177 J**	**99.4 J**	**239 J**	**50.0 J**	ND
Selenium	**0.68 J**	**0.4 J**	**0.78 J**	**0.98 J**	ND	**1.3 J**	**1.2 J**	**1.8 J**	**0.46 J**	**0.73 J**	**0.47 J**
Silver	ND	ND	ND	ND	ND	ND	**0.29 J**	ND	ND	ND	ND
Sodium	**12,500**	**14,800**	**6,970**	**2,500**	**3,790**	**34,100**	**4,640**	**1,480**	**15,600**	ND	**57.8 J**
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	**0.79 J**	**1 J**	ND	ND	**0.77 J**	**0.84 J**	ND	ND	ND
Zinc	**5.1 J**	**7**	**289**	**117**	**170**	**33.0**	**1,490**	**9.6**	**1.9 J**	**6.4**	**2.2 J**
Mercury	ND	ND	**0.014 J**	**0.0061 J**	ND	ND N	**0.020 J**	**0.70**	ND	ND	ND
Cyanide	**0.45 J**	**0.33 J**	**0.64**	**0.71**	**1.7**	**0.089 J**	**0.81**	**0.13 J**	**2.2**	**0.22 J**	**0.16 J**

RST 2 Sample ID	P001-DW-2046-1	P001-DW-2047-1	P001-DW-2048-1	P001-DW-2050-1	P001-DW-2051-1	P001-DW-2058-1	P001-DW-2059-1	P001-DW-2060-1	P001-DW-2062-1	P001-DW-2063-1	P001-DW-2064-1
CLP Sample ID	MBAZW3	MB0AG9	MBAZW4	MBAZW7	MBAZW6	MBAZX4	MBAZX0	MBAZY1	MBAZX2	MBAZX7	MBAZR7
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/24/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/25/2013	9/23/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	**7.9 J**	**13.1 J**	ND	**82.8**	**29.1**	**28.9**	ND	**11.7 J**	**3.7 J**	**2,630**	**5 J**
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	**ND J**	ND	ND	ND	ND	ND	**0.87 J**	ND
Barium	ND	ND	**0.69 J**	**28.9**	**2.9 J**	**3.3 J**	ND	**3.5 J**	ND	**62.9**	**0.64 J**
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.55**	ND
Calcium	**53.9 J**	**86.7 J**	**33.9 J**	**175 J**	**204 J**	ND	ND	**35.1 J**	ND	**1,050**	**323 J**
Chromium	**0.69 J**	ND	ND	**1.7**	**0.80 J**	**6.5**	ND	ND	**1.8**	**39.5**	**0.45 J**
Cobalt	ND	ND	ND	**1.3 J**	**0.37 J**	**2.4 J**	ND	**0.91 J**	ND	**9.6**	ND
Copper	**0.76 J**	**13.6**	ND	**47.0**	**2.1 J**	**0.92 J**	ND	**4.4**	ND	**300**	**11.3**
Iron	**293**	**54.9**	**25.3**	**307**	**588**	**1,920**	**6.0 J**	**44.8**	**11.8**	**4,340**	**178**
Lead	**0.37 J**	**9.7**	**0.70 J**	**2.5**	**10.3**	**4.4**	ND	**43.4**	**0.47 J**	**18.2**	**170**
Magnesium	ND	ND	ND	**49.7 J**	ND	ND	ND	ND	**35.0 J**	**179 J**	**157 J**
Manganese	**3.8**	ND	**0.45 J**	**14.6**	**5.1**	**1.7**	ND	**0.60 J**	ND	**38.9**	**2.7**
Nickel	**0.38 J**	ND	ND	**2.8 J**	**0.61 J**	**0.49 J**	ND	**1.7 J**	**1.3 J**	**102**	**0.62 J**
Potassium	**772**	ND	**64.9 J**	**703**	**3,840**	**90.9 J**	**66.7 J**	**49.6 J**	**149 J**	**877**	**153 J**
Selenium	**0.30 J**	**0.45 J**	ND	**0.72 J**	**0.45 J**	**2.3 J**	**1.8 J**	**2.7 J**	ND	**1.4 J**	**0.83 J**
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.24 J**	ND
Sodium	**724**	ND	**5,080**	**1,360**	**2,750**	**80.6 J**	**29,000**	ND	**99,200 D***	**3,340**	**55.9 J**
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	**0.65 J**	ND	ND	ND	ND	ND
Zinc	**16.9**	**24.8**	**2.1 J**	**83.0**	**70.4**	**14.7**	**1.2 J**	**34.5**	**3.7 J**	**250**	**338**
Mercury	ND	ND	ND	ND	ND	**0.022 J**	**0.022 J**	**0.022 J**	**0.042 J**	**0.045 J**	ND N
Cyanide	**0.67**	**0.23 J**	**0.32 J**	**1.2**	**3.7**	**0.92**	**2.8**	**0.14 J**	**0.23 J**	ND	**0.2 J**

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are **Bolded.**
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was reanalyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed for but not detected .
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - Inorganics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-2065-1	P001-DW-2067-1	P001-DW-2069-1	P001-DW-2073-1	P001-DW-2074-1	P001-DW-2076-1	P001-DW-2081-1	P001-DW-2086-1	P001-DG-2087-1	P001-DW-2090-1	P001-DW-2090-2
CLP Sample ID	MBAZX8	MBAZX5	MBAZR8	MBAZW9	MBAZX6	MBAZX9	MBAZR9	MBAZX1	MBAZY0	MBB007	MBB008
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area02
Sampling Date	9/25/2013	9/25/2013	9/23/2013	9/25/2013	9/25/2013	9/25/2013	9/23/2013	9/25/2013	9/25/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Sludge Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	ND	**89.8**	**8.8 J**	**9.5 J**	ND	ND	ND	**5.2 J**	ND	**14.5 J**	**11.9 J**
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	**0.57 J**	**0.19 J**	**0.61 J**	ND	**0.48 J**	ND	ND	**0.25 J**	ND	ND
Barium	**0.42 J**	**11.5 J**	**0.44 J**	ND	ND	ND	**3 J**	ND	**0.47 J**	**1.7 J**	**1.5 J**
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	ND	**1,310**	**142 J**	ND	ND	ND	**38.8 J**	ND	**40.9 J**	ND	ND
Chromium	ND	**12.1**	**81.0**	ND	ND	**0.50 J**	ND	ND	ND	**0.57 J**	**1.6**
Cobalt	ND	**43.0**	**63.5**	ND	ND	**3.9 J**	ND	ND	ND	**1.9 J**	**1.6 J**
Copper	**0.84 J**	**4.8**	**3.6**	**0.67 J**	ND	ND	ND	ND	ND	**1.1 J**	**1.1 J**
Iron	**89.9**	**3,370**	**178**	**6.6 J**	ND	**360**	**255 P**	**23.9**	**16.7**	**175**	**161**
Lead	**9.5**	**5.5**	**1.6 E**	ND	ND	ND	**0.75 J**	**18.8**	ND	**5.5**	**5.0**
Magnesium	ND	**63.9 J**	**75.2 J**	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	ND	**42.3**	**4.7**	ND	ND	**1.0 J**	**7.6**	ND	ND	**0.79 J**	**0.92 J**
Nickel	ND	**3.2 J**	**180**	ND	ND	ND	ND	ND	ND	ND	**0.84 J**
Potassium	**60.2 J**	**615**	**933**	**4,980**	**87.7 J**	**130 J**	**54.6 J**	**64.8 J**	**151 J**	ND	ND
Selenium	**3.1 J**	**2.6 J**	**0.33 J**	**1.0 J**	ND	**4.4**	ND	**1.9 J**	**1.1 J**	**1.4 J**	**0.90 J**
Silver	ND	ND	**0.23 J**	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	**12,400**	**9,130**	**5,320**	**70.1 J**	**128 J**	**316 J**	**68.1 J**	**198 J**	ND	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	**0.87 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	**0.94 J**	**105**	**34.7**	**1.2 J**	ND	**2.8 J**	**6.1**	**2.1 J**	**6.1**	**37.3**	**33.5**
Mercury	**0.045 J**	**0.034 J**	ND N	**0.019 J**	**0.025 J**	**0.024 J**	ND N	**0.023 J**	**0.016 J**	ND	ND
Cyanide	ND	**0.18 J**	**0.30 J**	ND	ND	ND	**0.17 J**	**0.12 J**	ND	**0.49 J**	**0.75**

RST 2 Sample ID	P001-DW-2093-1	P001-DW-2094-1	P001-DW-2100-1	P001-DW-2112-1	P001-DW-2113-1	P001-TW-2115-1	P001-DW-2121-1	P001-DW-4006-1	P001-DW-5001-1	P001-DW-5002-1	P001-DW-5006-1
CLP Sample ID	MBB009	MBB010	MBB011	MBB012	MBB013	MBB014	MBB015	MBB016	MBAZN1	MBAZN2	MBAZN3
Area	Area02	Area02	Area02	Area02	Area02	Area02	Area02	Area04	Area05	Area05	Area05
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/18/2013	9/18/2013	9/18/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	ND	**47.8**	ND	**18.1 J**	ND	**18.7 J**	**18.9 J**	**71.7**	ND	ND	**36**
Antimony	ND	ND	ND	ND	ND	**14.9**	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	**1.8**	ND	ND	**0.18 J**	ND	ND	ND	ND
Barium	ND	**2.2 J**	ND	**0.79 J**	ND	ND	**7.2 J**	**3.8 J**	**0.44 J**	ND	**6 J**
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	ND	**129 J**	ND	**138 J**	**68.5 J**	ND	**67.3 J**	**144 J**	ND	**37.6 J**	**151 J**
Chromium	**1.6**	**0.75 J**	**2.4**	**0.51 J**	**22.3**	**0.35 J**	**10.4**	**6.4**	ND	**4.6**	**7.5**
Cobalt	ND	ND	ND	ND	ND	**5.8**	ND	**0.91 J**	ND	**2.6 J**	**0.35 J**
Copper	**0.37 J**	**1.2 J**	**8.1**	**0.36 J**	ND	ND	**10.4**	ND	**0.35 J**	**89.8**	**5.6**
Iron	**16.6**	**1,630**	**14.1**	**57.7 E**	**13.5**	**127 E**	**204 E**	**30.4 E**	**40.1**	**45**	**641**
Lead	**0.80 J**	**24.4**	**14.0**	**7.5 E**	**1.7**	**0.39 JE**	**1.2 E**	ND E	**2,800**	**11.7**	**3.2**
Magnesium	ND	ND	ND	**76.0 J**	ND	ND	ND	ND	ND	ND	ND
Manganese	**0.55 J**	**5.9**	**6.8**	**0.73 J**	**0.68 J**	ND	**1.6**	ND	ND	**1.4 J**	**7.1**
Nickel	**1.1 J**	**0.49 J**	**0.77 J**	ND	**0.34 J**	**0.88 J**	**0.90 J**	**0.50 J**	ND	ND	**1.5 J**
Potassium	**111 J**	**601**	ND	**281 J**	**401 J**	**467 J**	**75.4 J**	**115 J**	**98.6 J**	ND	**117 J**
Selenium	**1.0 J**	**1.5 J**	**1.8 J**	**1.1 J**	**0.77 J**	**1.5 J**	**4.7**	**0.89 J**	**0.5 J**	**0.83 J**	**0.99 J**
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**853**	**43,600**	**59.6 J**	**4,830**	**16,400**	**15,700**	**55.6 J**	**47,300 D***	ND	**88.6 J**	**557**
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	**22.0**	**27.9**	**1.9 J**	**21.6 E**	**9.9**	**31.4 E**	**29.5 E**	**696 E**	**2.9 J**	**84.6**	**31.8**
Mercury	ND	**0.029 J**	ND	**0.0082 J**	ND	ND	**0.10**	ND	**0.022 J**	**0.0064 J**	**0.009 J**
Cyanide	**1.8**	**0.35 J**	**0.16 J**	**0.59**	**0.14 J**	**0.24 J**	**0.11 J**	**0.46 J**	**5.3**	**1.7**	**0.78**

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are **Bolded.**
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was reanalyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed for but not detected .
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - Inorganics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-DW-5006-2	P001-DW-5009-1	P001-DW-5013-1	P001-DW-5023-1	P001-DW-5024-1	P001-DW-5027-1	P001-DW-5029-1	P001-DW-6006-1	P001-DW-6009-1	P001-DW-6010-1	P001-DW-6011-1
CLP Sample ID	MBAZN4	MBAZN5	MBAZN6	MBAZN7	MBAZN8	MBAZN9	MBAZP0	MBAZP1	MBAZP9	MBAZQ0	MBAZP2
Area	Area05	Area05	Area05	Area05	Area05	Area05	Area05	Area06	Area06	Area06	Area06
Sampling Date	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/18/2013	9/19/2013	9/19/2013	9/19/2013	9/19/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)
Aluminum	**20.2**	ND	ND	**18.9 J**	**26.9**	ND	ND	ND	ND	ND	**3.9 J**
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	**0.17 J**	ND	ND	**0.17 J**	ND	ND	ND
Barium	**3.8 J**	ND	ND	ND	ND	ND	ND	ND	**1.4 J**	**0.51 J**	ND
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	**78.4 J**	ND	ND	**48.7 J**	ND	ND	ND	ND	ND	ND	ND
Chromium	**5.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.4**
Cobalt	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	**3.9**	ND	ND	ND	ND	ND	ND	**1.1 J**	ND	ND	ND
Iron	**504**	ND	**10.9**	**49.9**	**3.1 J**	**14.6**	**14.1**	**434**	**183**	**7.4 J**	**295**
Lead	**1.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Magnesium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Manganese	**4.5**	ND	ND	**0.89 J**	ND	ND	ND	ND	**0.69 J**	ND	**0.92 J**
Nickel	**1.2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Potassium	**71.6 J**	ND	ND	**912**	ND	ND	ND	**103 J**	ND	ND	ND
Selenium	**0.81 J**	**0.88 J**	ND	**0.52 J**	**1.3 J**	**0.68 J**	**0.26 J**	**1.2 J**	ND	ND	**0.86 J**
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	**348 J**	ND	**419 J**	**111 J**	**131 J**	ND	**2,950**	ND	**682**	**612**	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	**19.2**	ND	**5.4 J**	**7.5**	ND	ND	**2.7 J**	**0.82 J**	**0.72 J**	**0.71 J**	**2 J**
Mercury	**0.0073 J**	ND	ND	ND	ND	ND	**0.012 J**	**0.016 J**	ND	ND	ND
Cyanide	**0.45 J**	**0.26 J**	**0.53**	**0.23 J**	**0.22 J**	**0.28 J**	**0.24 J**	**0.65**	**0.67**	**0.75**	**0.44 J**

RST 2 Sample ID	P001-DW-6017-1	P001-DW-6018-1	P001-DW-6021-1	P001-DW-6024-1	P001-DW-6035-1	P001-TW-6038-1	P001-TW-6038-2	P001-S-2001-1	P001-S-2002-1	P001-S-2003-1	P001-S-3001-1
CLP Sample ID	MBAZP3	MBAZP4	MBAZP5	MBAZP6	MBAZQ8	MBB017	MBB018	MBAZQ9	MBAZZ9	MBB000	MBAZR0
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area02	Area02	Area02	Area03
Sampling Date	9/19/2013	9/19/2013	9/19/2013	9/19/2013	9/20/2013	9/27/2013	9/27/2013	9/20/2013	9/26/2013	9/26/2013	9/20/2013
Sample Matrix (Unit)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Liquid Waste (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	**8.5 J**	**31.6**	**8 J**	ND	**10.2 J**	**119**	**99.0**	**3,250**	**3,720 E**	**3,580 E**	**2,850**
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	ND	ND	ND	ND	ND	**1.8**	**2.9**	**2.2**	**2.1**
Barium	**0.46 J**	**9.8 J**	ND	**9.7 J**	ND	**1.8 J**	**1.5 J**	**23.7**	**31.6 E**	**32.4 E**	**40.4**
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND	ND	**0.48**	**0.86**	**0.99**	**0.46 J**
Calcium	**222 J**	**251 J**	ND	ND	ND	**192 J**	**163 J**	**8,000**	**12,100 E**	**4,240 E**	**1,160**
Chromium	ND	**1.3**	ND	**1.2**	**0.48 J**	**0.60 J**	**0.37 J**	**14**	**27.5**	**17.9**	**25.9**
Cobalt	ND	ND	ND	ND	ND	**0.49 J**	**0.38 J**	**5.9**	**6.5**	**5.3**	**7.1**
Copper	ND	**6.6**	ND	**1.5 J**	ND	**5.7**	**4.0**	**25.3**	**38.2**	**21.3**	**16.4**
Iron	**20.2**	**443**	**89.5**	**4,320**	**13**	**271 E**	**230 E**	**8,890**	**19,500 E**	**14,100 E**	**9,030**
Lead	ND	**2.8**	ND	ND	**0.44 J**	**31.5 E**	**28.0 E**	**335**	**94.5 E**	**33.7 E**	**40.5**
Magnesium	ND	ND	ND	ND	ND	**64.1 J**	**56.2 J**	**4,820**	**6,220**	**2,630**	**357 J**
Manganese	**0.5 J**	**3.3**	ND	**15**	**0.34 J**	**14.3**	**17.8**	**102**	**167 E**	**64.7 E**	**130**
Nickel	ND	**0.87 J**	ND	**1.4 J**	ND	**0.49 J**	**0.32 J**	**7**	**15.9**	**10.5**	**142**
Potassium	ND	**1,380**	ND	ND	ND	**115 J**	**114 J**	**703**	**586**	**327 J**	**231 J**
Selenium	**0.49 J**	**0.45 J**	ND	**0.85 J**	ND	**1.9 J**	**1.1 J**	**1.4 J**	ND	**1.6 J**	**1.4 J**
Silver	ND	ND	ND	ND	ND	ND	ND	**8.6**	**0.41 J**	**0.46 J**	ND
Sodium	**148 J**	**5,730**	**45,300**	ND	**200 J**	**742**	**626**	**736**	**257 J**	**133 J**	**36.2 J**
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ND	**0.54 J**	ND	**0.64 J**	ND	ND	ND	**20.8**	**33.3**	**31.2**	**13.5**
Zinc	**81.9**	**28.3**	**0.4 J**	**2.4 J**	**0.53 J**	**84.6 E**	**69.4 E**	**128**	**190 E**	**121 E**	**221**
Mercury	ND	**0.0075 J**	ND	ND	ND	ND	ND	**0.019 J**	**0.27**	**0.052 J**	**0.074 J**
Cyanide	**0.56**	**1.1**	**0.78**	**3.9**	**0.39**	**0.37 J**	**0.14 J**	**0.4 J**	ND	**0.058 J**	**0.39 J**

Soil

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are **Bolded.**
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was reanalyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed for but not detected .
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Soil

Table 5
Preliminary Analytical Data Summary Table - Inorganics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-3001-2	P001-S-3002-1	P001-S-3003-1	P001-S-3004-1	P001-S-3005-1	P001-S-3006-1	P001-S-3007-1	P001-S-3008-1	P001-S-3009-1	P001-S-3010-1	P001-S-3011-1
CLP Sample ID	MBAZR1	MBAZR2	MBAZR3	MBAZZ0	MBAZY9	MB0AL0	MB0AK4	MB0AK9	MB0AK8	MB0AK5	MB0AK7
Area	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03	Area03
Sampling Date	9/20/2013	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	2,240	2,360	1,800	2,590 E	4,710 E	5,120	1,760	843	1,520	2,190	734
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	1.5	2.2	2.2	0.75 J	1.6	2.3	1.3	0.64 J	1.6	2.3	1.0
Barium	78.1	29.1	19	13.2 JE	24.7 E	41.7	22.6	9.6 J	23.7	40.7	24.8
Beryllium	ND	ND	ND	ND	ND	ND	ND	3.7	ND	ND	ND
Cadmium	0.45 J	0.47	0.54	0.48 J	0.53	1.1	0.22 J	ND	0.20 J	1.3	0.18 J
Calcium	2,030	2,480	1,800	1,610 E	1,190 E	1,920	653	190 J	3,880	6,780	200 J
Chromium	14.3	21	16.3	6.9	9.8	20.2	13.5	4.0	13.9	630	5.7
Cobalt	3.7 J	4.6	2.3 J	2.2 J	3.0 J	5.3	2.1 J	5.0 J	2.8 J	3.7 J	0.80 J
Copper	17.1	13	11.5	10.8	11.2	20.9	9.1	27.0	8.4	10.3	4.5
Iron	10,400	10,800	10,700	3,030 E	5,940 E	10,100	7,310	2,340	5,870	12,800	5,470
Lead	34.1	27.9	17.5	10.8 E	12.2 E	35.1	28.0	10.3	32.2	32.0	10.5
Magnesium	535	1,800	1,140	168 J	352 J	735	258 J	62.6 J	1,790	3,370	105 J
Manganese	76.9	200	76	16.3 E	25.0 E	92.0	46.4	11.1	94.8	114	57.6
Nickel	54.2	6.2	6.1	4.3	5.3	10.9	166	1.1 J	6.7	18.0	1.9 J
Potassium	176 J	343 J	232 J	95.2 J	206 J	331 J	234 J	96.2 J	224 J	290 J	195 J
Selenium	1.4 J	1.4 J	1.6 J	0.46 J	0.29 J	0.64 J	0.31 J	0.71 J	0.50 J	0.49 J	ND
Silver	0.8 J	0.75 J	5.6	0.27 J	0.28 J	0.89 J	ND	ND	ND	0.27 J	ND
Sodium	65.1 J	164 J	41.3 J	ND	ND	63.2 J	53.5 J	ND	38.4 J	342 J	36.4 J
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	16.6	17.5	11.9	7.8	12.1	20.6	8.6	4.3 J	10.3	12.2	4.4 J
Zinc	214	118	152	66.3 E	129 E	418	117	42.3	517	241	65.8
Mercury	0.024 J	0.041 J	0.029 J	0.067 J	0.083 J	0.070 J	0.032 J	0.017 J	0.033 J	0.034 J	0.024 J
Cyanide	0.31 J	0.37 J	0.41 J	ND	ND	0.39 J	ND	ND	0.064 J	0.13 J	ND

RST 2 Sample ID	P001-S-3012-1	P001-S-3013-1	P001-S-4001-1	P001-S-4002-1	P001-S-4003-1	P001-S-5001-1	P001-S-5002-1	P001-S-5003-1	P001-S-5004-1	P001-S-5005-1	P001-S-6001-1
CLP Sample ID	MB0AN6	MBAZY8	MBB001	MBB002	MBB003	MBAZZ1	MBAZZ2	MBAZZ8	MBAZZ3	MBAZZ4	MBAZR4
Area	Area03	Area03	Area04	Area04	Area04	Area05	Area05	Area05	Area05	Area05	Area06
Sampling Date	9/27/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/20/2013
Sample Matrix (Unit)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	1,910	1,810 E	745 E	18,400	5,540	3,020 E	3,350 E	4,990 E	4,050 E	4,710 E	358
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	2.0	2.1	22.4	1.1	4.1	3.0	2.1	2.9	3.2	2.3	11.6
Barium	34.9	27.2 E	1,420 E	53.7	183	31.6 E	15.2 JE	64.5 E	22.9 E	28.9 E	8.7 J
Beryllium	ND	ND	ND	ND	ND	0.17 J	ND	ND	0.20 J	0.16 J	ND
Cadmium	1.0	0.97	4.0	1.5	4.3	0.88	0.32 J	2.7	0.62	1.0	3.6
Calcium	946	3,520 E	3,560 E	15,800	18,600	18,100 E	6,260 E	26,800 E	26,300 E	17,000 E	184 J
Chromium	20.5	13.9	938	19.7	28.1	18.1	8.8	19.7	16.4	13.3	69.7
Cobalt	3.3 J	8.1	50.5	1.8 J	8.9	3.8 J	1.9 J	5.6	4.5 J	3.5 J	10.2
Copper	12.0	27.0	1,020	10.3	35.6	26.2	16.5	54.0	38.6	23.6	80.9
Iron	12,200	9,850 E	460,000 DE*	1,990	12,600	13,700 E	7,690 E	13,000 E	23,100 E	9,080 E	508,000 D*
Lead	65.4	22.9 E	289 E	75.0	137	40.7 E	18.7 E	56.8 E	25.9 E	23.8 E	7.1
Magnesium	488 J	1,830	202 J	162 J	6,760	7,690	3,120	5,260	15,200	8,120	ND
Manganese	354	83.1 E	4,440 DE*	35.4	185	182 E	71.1 E	208 E	238 E	119 E	1,530
Nickel	18.4	10.9	481	4.1	12.1	10.9	4.5	12.3	11.3	9.9	71.6
Potassium	272 J	304 J	127 J	92.7 J	426 J	539	262 J	591	654	485 J	ND
Selenium	0.58 J	0.39 J	ND	ND	2.8 J	ND	ND	0.50 J	ND	0.66 J	ND
Silver	0.74 J	0.51 J	ND	ND	1.3	ND	ND	1.2	ND	0.32 J	ND
Sodium	701	58.5 J	148 J	44.6 J	136 J	177 J	78.3 J	152 J	413 J	154 J	ND
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	14.1	16.4	56.6	14.4	30.1	25.3	16.0	20.6	29.2	20.4	23.9
Zinc	183	294 E	262 E	35.5	243	88.7 E	263 E	291 E	1,360 E	141 E	43.4
Mercury	0.038 J	0.053 J	0.052 J	0.020 J	0.068 J	0.062 J	0.071 J	0.83	0.12	0.13	0.038 J
Cyanide	0.20 J	ND	1.1	ND	0.14 J	ND	0.32 J	ND	ND	0.12 J	0.67

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are **Bolded.**
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
D - Indicates that sample was reanalyzed at a higher dilution.
N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed for but not detected .
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.

Table 5
Preliminary Analytical Data Summary Table - Inorganics
Superior Barrel and Drum Site
September 2013

RST 2 Sample ID	P001-S-6002-1	P001-S-6003-1	P001-S-6004-1	P001-S-6005-1	P001-S-6005-2	P001-S-6006-1	P001-S-6007-1	P001-S-6008-1	P001-S-7001-1	P001-S-7002-1	P001-S-7003-1
CLP Sample ID	MBAZR5	MBAZR6	MBAZZ7	MBAZY3	MBAZY4	MBAZZ5	MBAZZ6	MBAZY2	MBAZY5	MBAZY6	MBAZY7
Area	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area06	Area07	Area07	Area07
Sampling Date	9/20/2013	9/20/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013	9/26/2013
Sample Matrix (Unit)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)	Soil (mg/kg)
Aluminum	1,650	1,540	3,570 E	3,790 E	2,900 E	1,220 E	2,220 E	1,920 E	2,650 E	7,190 E	6,070 E
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	0.68 J	0.97	3.5	2.4	2.8	2.4	2.9	2.2	1.6	5.8	4.0
Barium	338	24.4	67.0 E	40.2 E	35.2 E	155 E	33.3 E	22.2 E	24.0 E	73.0 E	68.4 E
Beryllium	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	0.30 J	0.25 J
Cadmium	0.38 J	1.6	0.97	0.39 J	0.39 J	3.7	3.0	0.40 J	0.24 J	2.2	1.9
Calcium	55,300	1,340	11,500 E	2,920 E	2,830 E	21,400 E	539 E	1,340 E	16,400 E	8,600 E	7,960 E
Chromium	463	8.7	19.2	13.8	13.4	397	17.5	9.5	7.8	28.9	24.8
Cobalt	61.9	1.1 J	5.4	3.7 J	2.7 J	263	3.0 J	1.7 J	2.7 J	7.1	5.8
Copper	722	3.4	33.8	15.3	16.2	62.3	17.2	11.7	10.5	38.1	40.7
Iron	28,900	8,340	15,800 E	11,600 E	12,100 E	45,900 DE*	52,400 DE*	14,900 E	6,590 E	17,200 E	14,700 E
Lead	1710	19	38.0 E	34.2 E	31.3 E	1,400 E	43.1 E	18.4 E	14.7 E	66.5 E	56.6 E
Magnesium	3,800	392 J	3,380	1,510	1,340	1,480	277 J	709	2,310	1,610	1,840
Manganese	217	57	185 E	85.1 E	85.9 E	508 E	175 E	77.1 E	83.3 E	122 E	171 E
Nickel	13.4	3.2 J	12.0	7.7	6.6	58.4	15.1	6.2	6.0	16.2	14.2
Potassium	233 J	162 J	394 J	594	295 J	165 J	145 J	212 J	257 J	552	526
Selenium	2.2 J	1.1 J	ND	0.31 J	ND	0.50 J	ND	ND	ND	ND	0.85 J
Silver	6.9	ND	1.5	2.0	1.8	20.9	ND	0.69 J	0.60 J	3.7	2.7
Sodium	160 J	14,400	221 J	538	48.8 J	137 J	51.0 J	45.7 J	97.0 J	88.3 J	81.2 J
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	4.4 J	5.6	21.2	21.0	18.4	11.7	15.2	11.1	17.6	40.4	33.3
Zinc	139	37.4	131 E	99.0 E	117 E	157 E	247 E	51.5 E	44.5 E	262 E	242 E
Mercury	0.043 J	0.066 J	0.12	0.15	0.14	0.093 J	0.044 J	0.066 J	0.039 J	0.53	0.31
Cyanide	1.1	0.49	0.26 J	0.38 J	0.32 J	5.1	0.53	ND	0.21 J	ND	0.13 J

RST 2 Sample ID	P001-SW-1001-1	P001-SW-3001-1	P001-SW-3001-2	P001-SW-3002-1	P001-SW-6001-1
CLP Sample ID	MBB019	MBB020	MBB0E1	MBB0E2	MBB0E3
Area	Area01	Area03	Area03	Area03	Area06
Sampling Date	9/27/2013	9/27/2013	9/27/2013	9/27/2013	9/27/2013
Sample Matrix (Unit)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)	Surface Water (ug/L)
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					
Mercury					
Cyanide					

Notes:
All results are preliminary and have not gone through any data review or validation process.
Detected concentrations are **Bolded.**
E - Sample concentrations exceeded the upper level of the calibration range.
J - Indicates the reported value is an estimate.
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N - Indicates presumptive evidence of the analyte.
ND - Indicates the analyte was analyzed for but not detected .
* Result reported from a diluted analysis but dilution factor not reported as part of the preliminary data.
Preliminary data not received for surface water samples, as shown by gray shading.