

DECLARATION

By:  Date: _____

SITE NAME AND LOCATION

4/14/2021

Former South Side Plating Facility
963 Edwards Street
Galion, Crawford County, Ohio
OHD064102874

PURPOSE

This Decision Document presents the selected remedial action for the Former South Side Plating Facility (South Side Plating) in Galion, Crawford County, Ohio, chosen in accordance with the policies of the Ohio Environmental Protection Agency (Ohio EPA), statutes and regulations of the State of Ohio.

SITE BACKGROUND

South Side Plating historically operated as an electroplating facility which plated small equipment and metal fasteners for commercial clients. The facility operated a cyanide metal plating business from 1971 to 1986, when it ceased operations. While active, the facility used acids, caustics and cyanide, along with chromate and dichromate solutions. Spent plating solutions and rinse water (F007) were discharged to the City of Galion sanitary sewer. Stripping operations using acid and caustic solutions containing cyanide (F009) were conducted outside and spent solutions and sludges (F006 and F008) were disposed of directly to the soil. Plating sludges from the sump were also land-disposed on adjacent property.

On April 1, 1988, the Ohio Attorney General's Office (AGO) filed a complaint against the owners of South Side Plating for illegal treatment, storage and disposal of hazardous wastes without having a permit. A Consent Order was signed on December 11, 1990 between the owners and the State of Ohio. A closure plan was first submitted on December 14, 1989 and after some revisions was approved with modifications on December 24, 1992. A follow-up inspection on June 14, 2000 revealed that closure work was never completed. Ohio EPA proceeded with enforcement action and pointed out that closure work still needed to be done. Closure activities were never completed. Two of the three buildings associated with the plating operations were demolished in 2006 due to concerns over their age and structural integrity/safety.

The property was purchased in September 2012 by the current owner who is residing at this property. The land use at the property is residential. The homeowners were made aware that Resource Conservation and Recovery Act (RCRA) closure obligations still exist, but they have maintained that they do not have the ability to implement the closure plan because of insufficient financial resources. Thus, Ohio EPA proceeded with remediation and closure efforts on the property through grant funds from the United States EPA.

DESCRIPTION OF THE SELECTED REMEDY AND CLOSURE ACTIVITIES

In September 2019 and August 2020, Ohio EPA contracted with Brownfield Restoration Group (BRG), a Level of Effort (LOE) contractor, to conduct additional sampling and to evaluate the presence of potential chemicals of concern within soil and ground water. The soil analytical data was evaluated, and it was determined that any soil exceeding residential Regional Screening Levels (RSLs) needed remediation. In December 2020 approximately 552.5 tons of soil was excavated from the facility and disposed of off-site, including 193.75 tons as hazardous waste and 358.76 tons as non-hazardous waste. After excavation, confirmation samples were collected, and it was confirmed that the closure performance standards were met. The excavation areas were backfilled with clean borrow soil and the final grading and laying down of seed and straw was completed on December 23, 2020.

CLOSURE DETERMINATIONS

Documentation for all closure work completed in 2019 and 2020 is attached to this Declaration. Based on Ohio EPA's review of this information, it has been determined that the Former South Side Plating Facility has been closed in accordance with the requirements of OAC rules 3745-55-11 through 3745-55-15, including meeting the closure performance standards. No further action pursuant to Ohio EPA's hazardous waste rules and laws is required at this time.



4/14/2021

Director

Laurie Stevenson

Date

April 2021

FORMER SOUTH SIDE PLATING INC. FACILITY

RCRA DECISION DOCUMENT FORMER SOUTH SIDE PLATING INC. FACILITY

U.S. EPA ID# OHD064102874

963 Edwards Street

Galion, Crawford County, Ohio 44833

Prepared by:
The Ohio Environmental Protection Agency

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Acronyms

AOC	Area of Contamination
AGO	Attorney General's Office
AMS	Alternate Metal Standards
BGS	Below Ground Surface
BRG	Brownfield Restoration Group
CA	Corrective Action
Cd	Cadmium
CFA	Corn Field Additional
CFN	Northern Corn Field
CFS	Southern Corn Field
CMS	Corrective Measures Study
CMI	Corrective Measures Implementation
CN	Cyanide
COC	Chemical of Concern
Cr ⁺⁶	Hexavalent Chromium
DD	Decision Document
DERR	Division of Environmental Response and Revitalization
ft.	feet
LOE	Level of Effort
MCL	Maximum Contaminant Levels
Mg/L	milligrams/liter
Mg/kg	milligrams/kilogram
OAC	Ohio Administrative Code
Ohio EPA	Ohio Environmental Protection Agency
PR/VSI	Preliminary Review/Visual Site Inspection
RCRA	Resource Conservation and Recovery Act
REM	Remediation Area
RFI	RCRA Facility Investigation
RSL	Regional Screening Levels

SAP	Sampling and Analysis Plan
SOB	Statement of Basis
SOP	Standard Operation Procedure
SWMU	Solid Waste Management Units
TCLP	Toxicity Characteristic Leaching Procedure
UCL	Upper Confidence Level
U.S. EPA	United States Environmental Protection Agency

1.0 Introduction

1.1 Executive Summary

The Ohio Environmental Protection Agency (Ohio EPA) has prepared this Decision Document (DD) for the corrective actions taken at the Former South Side Plating Facility (South Side Plating) located at 963 Edwards Street in Galion, Crawford County, Ohio (Figure 1). South Side Plating was subject to unit closure, but bankruptcy by the original owner prevented closure. This DD has been written in place of a closure certification. This DD identifies Ohio EPA's selected remedial measures to meet decontamination requirements, explains the reasons for selection of the remedies, demonstrates that these decontamination measures are enough to manage current risks, and ultimately lead to closure of the site.

In September 2019 and August 2020, Ohio EPA contracted with Brownfield Restoration Group (BRG), to evaluate current site conditions at South Side Plating to determine if chemicals of concern (COC) remain in the soil or groundwater. After nature and extent was better understood, it was determined that remedial activities were necessary to meet residential standards. The method chosen to meet these standards was soil excavation as it minimized the need for further maintenance and provided protection to human health and the environment by removing the affected media. In December 2020, approximately 552.5 tons of soil, including 193.75 tons as hazardous waste and 358.76 tons as non-hazardous waste, was excavated from the former South Side Plating and disposed of at off-site facilities. Based on confirmation sampling from the excavation area along with the other sitewide data, Ohio EPA has determined that South Side Plating has met closure obligations in accordance with the requirements of Ohio Administration Code (OAC) rules 3745-55-11 through 3745-55-15. No further action pursuant to Ohio EPA's hazardous waste rules and laws are required at this time.

1.2 RCRA Closure Process or Site Assessment Process

Under the Resource Conservation and Recovery Act (RCRA), the closure program was created to address the potential threats to human health and the environment from waste management areas at RCRA treatment, storage or disposal facilities. The responsibility for RCRA closure is retained by the property owner which may not be the entity responsible for the contamination.

After RCRA was enacted, the United States Environmental Protection Agency (U.S. EPA) Office of Waste Program Enforcement required facilities managing hazardous waste and hazardous constituents to have a preliminary assessment/visual site inspection (PR/VSI) conducted. PR/VSIs were used to prioritize RCRA facilities for immediate, intermediate, and low priority CA remediation activities. The PR/VSI at South Side Plating was performed in April 1991 to identify and systematically review all solid waste management units (SWMUs) and areas of concern (AOCs) on the facility's property and make a cursory determination of their condition by visual observation. The PR/VSI identified 6 SWMUs and one AOC as summarized in the table below and in Figure 2.

A closure plan was first submitted on December 14, 1989 and after some revisions was approved by Ohio EPA with modifications on December 24, 1992. However, a follow-up inspection on June 14, 2000 revealed that closure work was never completed.

Table 1: Summary of SWMUs/AOC and Suggested Further Actions as identified in PR/VSI (1991)

Unit Number	Unit Name	Suggested Further Action
1	Former West Plating Line	Verify integrity of floor. If floor is not in good condition, soil sampling is recommended.
2	Former East Plating Line	No further action under CA authorities.
3	Former Floor Trench System	Verify integrity of trench system and sump. If it is not in good condition, soil sampling is recommended.
4	Former Waste Disposal Area	Further soil and groundwater sampling under an RFI is suggested.
5	Former Outdoor Stripping Bath Site	Further soil and groundwater sampling under an RFI is suggested.
6	Former Empty Drum Storage Area	Further soil and groundwater sampling under an RFI is suggested.
AOC A	Former Loading/Unloading Area	Further soil and groundwater sampling under an RFI is suggested.

In typical RCRA closure, a closure plan is prepared by the facility, is made available for public comment and then a decision is made to approve or reject the plan by the authorizing agency. At the end of the Public Comment period, a responsiveness summary is prepared if any public comments were received. The closure plan which incorporates any public comments and describes the remediation strategy selected for the facility, is then signed by the director. After the closure plan has been implemented, the facility will certify that the goals and standards set forth in the approved closure plan have been met. The facility is required to provide a certification report by a professional engineer that attests to successfully meeting closure performance goals. Once this certification is accepted by Ohio EPA, closure is complete.

However, the typical RCRA closure process was not applied in the case of South Side Plating. For this site, since closure was not able to be completed by the previous or current property owners, the Ohio EPA proceeded with the remediation and closure efforts on the property through use of RCRA program grant funds from the U.S. EPA. As such, there was no formal public comment period for the site, closure plan approval or certification. Instead of certifying closure, this DD serves as a closure certification and a way to inform the public and the director of the remediation work conducted, the current status of the property and how closure standards were met.

2.0 Facility Background

South Side Plating is located at 963 Edward Street, within the northeast section of Galion, Crawford County, Ohio in a semi-rural, residential area with some light industry nearby. Residential property can be found 200 feet north of the facility. Undeveloped lots located to the west of the facility are used for agricultural purposes. South Side Plating historically operated as an electroplating facility

which plated small equipment and metal fasteners for commercial clients, including ITT Telephone Company. The facility operated a cyanide metal plating business from 1971 to 1986, when it ceased operation. There were three buildings on site (see Figure 2):

- Building 1 was constructed in 1970 and was 40' by 64'. The building was comprised of a west and east plating line and a floor trench. There were two floor drains and a sump that pumped water to the sanitary sewer. The building was demolished in 2006 due to safety concerns, but the slab remains.
- Building 2 was constructed in 1985 and served as an enclosed access between Buildings 1 and 3. The building was demolished in 2006 due to safety concerns, but the slab remains.
- Building 3 was also constructed in 1985 and was 40' by 40'. The building was used as storage for plating solutions. This building was not demolished.

While active, the facility used acids, caustics and cyanide, along with chromate and dichromate solutions. Spent plating solutions and rinse water (F007) were discharged to the City of Galion sanitary sewer via the former floor trench in the plating building (Building 1). Stripping operations using acid and caustic solutions containing cyanide (F009) were conducted outside Building 1 and spent solutions and sludges (F006 and F008) were disposed of directly to the soil. Plating sludges from the sump were also land-disposed on adjacent property.

Ohio EPA inspections and analytical results from various sampling events in the late 1980s documented the presence of the following in soil, ground water, and surface water samples: arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, zinc and cyanide. Cadmium, hexavalent chromium, nickel and cyanide are considered hazardous waste listed constituents in F006, F007 and F008. Arsenic, copper, lead, mercury, selenium, silver and zinc are additional COCs for remedial waste (excavated soils) but are not considered a COC associated with plating operations at this property.

On April 1, 1988, the Ohio Attorney General's Office (AGO) filed a complaint against the owners of South Side Plating for illegal treatment, storage and disposal of hazardous wastes without having a permit. A Consent Order was signed on December 11, 1990 between the owners and the State of Ohio. A closure plan was first submitted on December 14, 1989 and after some revisions was approved with modifications on December 24, 1992. A follow-up inspection on June 14, 2000 revealed that closure work was never completed. Ohio EPA proceeded with enforcement action and pointed out that closure work still needed to be done. The case was ultimately closed due to the owner's inability to fund any type of clean-up effort.

On June 19, 2008, Ohio EPA sent a letter to the property owner of South Side Plating to re-engage discussions concerning the outstanding RCRA closure obligation. Ohio EPA conducted a site visit on August 26, 2008, to view current site conditions. The property owner maintained that any remedial work was still not possible due to an inability to finance any clean-up efforts.

The property was purchased in September 2012 by the current owner who resides in a home located on the contiguous property to the east. The homeowners were made aware that RCRA closure obligations still exist but have maintained that they do not have the ability to implement the closure plan because of insufficient financial resources. In limited cases such as with South Side Plating,

Ohio EPA's Division of Environmental Response and Revitalization (DERR) may complete investigations and/or perform remedial work for indigent facilities through grant funds from U.S. EPA to complete outstanding closure obligations. These grant funds are limited to Federal Fiscal Years 2018 to 2020 and are applied to sites that demonstrate an inability to pay. In addition, DERR applied these funds to sites where the funds have some assurance of completing closure and/or corrective action obligations. In the case of South Side Plating, the current homeowner would not have the financial wherewithal to hire consultants, investigate and decontaminate the site. The site itself would pose a long-term issue with human health and safety if it were transferred to subsequent homeowners. Ohio EPA reviewed information from files and determined that application of resources was warranted and could complete South Side Plating's closure obligations.

3.0 Sampling Events

Since closure activities were never completed after the PR/VSI in 1991, Ohio EPA contracted with Brownfield Restoration Group (BRG), one of DERR's Level of Effort (LOE) contractors, to conduct additional sampling and to evaluate the presence of potential COCs within soil and ground water. The initial sampling event was conducted in September 2019 and is further described in Section 3.1. The rate and extent of the contamination was not fully defined during the sampling effort conducted in September 2019, so additional sampling was conducted in August 2020 to gain a better understanding of the contamination extent specifically in the area to the southwest of the slab of Building 1. A description of the August 2020 sampling is provided in Section 3.2.

3.1 September 2019 Sampling Event

Ohio EPA contacted the property owners on June 11, 2019, to request access to the property so that a site investigation could be performed. Ohio EPA conducted a site visit on July 9, 2019, to see the current conditions of the property. The owners granted access to their property allowing sampling to occur. A sampling and analysis plan (SAP) was prepared and drilling contractors were secured. On September 11 and 13, 2019, Ohio EPA conducted sampling to evaluate the presence of potential COCs within soil and ground water.

The objectives of the September 2019 sampling event were to:

- Determine the nature and extent of site soil contamination and evaluate the potential release of COCs from the SWMUs to ground water beneath the site.
- Conduct soil sampling in accordance with the Ohio EPA Field Sampling Standard Operation Procedure (SOP) to obtain samples of environmental media that are accurate and representative of site conditions.
- Obtain data at the Property from the analytical laboratory that is sufficient to permit an evaluation of subsurface soil conditions at the site and identify analytical data that were outside acceptance criteria (i.e. data out of laboratory control, or samples with increased detection limits that would preclude a meaningful comparison of results to applicable standards).
- Compare analytical results for concentrations of COCs in soil to background samples, U.S. EPA Regional Screening Levels (RSLs) for residential land use, and Ohio EPA Alternate Metal Standards (AMS, CPRG 2017). Compare analytical results for concentration of COCs

in ground water to Maximum Contaminant Levels (MCLs) to evaluate the potential for COCs in environmental media at the facility.

- Determine if additional assessment and/or remedial activities will be necessary.

3.1.1 Sampling Locations

Background soil samples were collected from an area to the southeast of the residence on the property. A total of 12 samples (BG-01 through BG-12) were collected with a hand auger to a depth of 1 ft.

A Geoprobe was used to collect seven samples and install two temporary ground water wells around the former operations. Sample location 1 (SB-01), was the former loading/unloading ramp area located to the north of Building 1. To determine the extent of potential contamination under the footprint of former Building 1, four sub-slab soil borings (SB-02, SB-03, SB-04 and SB-05) were made at Building 1. Two Geoprobe soil boring locations were selected adjacent to the former plating facility. One was placed on the west side of the Former Building 1 slab (SB-06) and the second Geoprobe sample was located on the west side of Building 3 (SB-07). Soil samples were collected at various depths as detailed in the sampling and analysis plan. After soil samples were collected from SB-02 and SB-07, they were converted into temporary ground water wells (MW-2 and MW-7) and grab samples were collected. A filtered and unfiltered sample were collected for MW-2 and MW-7.

Since the extent of the contamination outlined in the PR/VSI by the U.S. EPA in 1991 is unclear, a 20' by 20' grid was overlaid on the property to aid in the collection of additional samples. From within each grid square, a hand auger was used to collect a 0-1 ft or a 0-2 ft soil sample. Twenty soil samples were collected around Buildings 1, 2 and 3 to a depth of 1 ft and were labeled "SO" for soil with a numbered location (ex. SO-01). Nine soil samples were also collected in the corn field to the west of Building 1 to a depth of 2 ft. The nine locations were called "Corn Field Additional (CFA)" and stretched from 70 ft. northwest of Building 1 down to 45 ft. southwest of Building 1.

Data from previous investigations performed by the City of Galion and Ohio EPA in 1987 found elevated concentrations of cadmium, chromium, copper and cyanide in soil and liquid samples west of Building 1. Since the exact locations were unknown, Ohio EPA selected two main areas, outside of the grid, in the corn field based upon observations from the July 9, 2019, site visit. The two areas selected, one in the northern and one in the southern portion of the corn field, were low-lying and according to the property owner, were prone to flooding. Three soil sample locations were selected from the northern corn field location (CFN-01, CFN-02, CFN-03) and the south corn field location (CFS-01, CFS-02, CFS-03) due to no vegetation in those areas compared to the rest of the field. Soil samples from CFS and CFN were collected from 0-1 ft. and 1-2 ft below ground surface (bgs). See Figure 3 for sample locations.

3.1.2 Sample Analysis

Background soil samples were analyzed by the Ohio EPA contract laboratory for RCRA metals by SW-846 6020A and SW-846-7471A (mercury).

All non-background soil samples were analyzed by the Ohio EPA contract laboratory for total solids by SM-2540, RCRA metals by SW-846 6020A and SW-846-7471A (mercury). Cyanide was also analyzed utilizing EPA Method SW-9014.

After the initial analytical results were evaluated, additional analytical results were requested on existing samples. Six select non-background soil samples were analyzed by the Ohio EPA contract laboratory for hexavalent chromium by EPA Method SW-7196A. Four select non-background soil samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) by EPA Method SW-1311.

Ground water samples were analyzed by the Ohio EPA contract laboratory for pH by SW-9040C/9045C, RCRA metals by SW-846 6020A and SW-846-7470A (mercury). Cyanide was also analyzed by EPA Method SW-9014.

3.1.3 Results

3.1.3.1 Description of Appropriate Standards

A 95 percent upper confidence level (UCL) of the mean was calculated for the 12 background soil samples to establish representative background concentrations for each constituent. The soil analytical data was first compared the background values shown in Table 2. The soil data was then compared to Ohio EPA's AMS and U.S EPA RSLs for residential land use based on target risk goal of 1E-06 and hazard risk goal of 1 for all COCs except for hexavalent chromium which is based on target risk goal of 1E-05 because of its carcinogenic mode of action. To evaluate the leaching potential of some of the samples, four soil samples with cadmium and chromium concentrations were analyzed by TCLP and compared to the TCLP limits presented in Table 2. The ground water samples were compared to maximum contaminant levels (MCLs).

Table 2: Applicable Standards For September 2019

COC	Background (95% UCL)	Ohio EPA AMS*	U.S. EPA Residential RSL	TCLP Limits**	MCLs
		(mg/kg)		(mg/L)	(μ g/L)
Arsenic	11.04	13	0.68	5	10
Barium	97.41	140	15,000	100	2,000
Cadmium	0.621	1.25	71	1	5
Chromium, Total	18.2	22	120,000	5	100
Chromium, Hexavalent	Not available	Not available	3	Not available	Not available
Lead	32.22	37	400	5	15
Mercury	0.12	0.13	11	0.2	2
Zinc	71.03	90	23,000	Not available	Not available
Cyanide	Not available	Not available	23	Not available	200

*Ohio EPA AMS source:

<https://www.epa.state.oh.us/Portals/30/RCRA/docs/Closure%20Plan%20Review%20Guidance.pdf>

**TCLP was only analyzed for cadmium and chromium

3.1.3.2 Groundwater Results

Filtered and unfiltered ground water samples were collected from 2 monitoring wells, MW-2 and MW-7. The analytical results are shown in Table 3.

Table 3: Ground Water Data

COCs ($\mu\text{g/L}$)	MW-2		MW-7		MCLs
	Unfiltered	Filtered	Unfiltered	Filtered	
Cadmium	<3	<3	<3	<3	5
Chromium	48	<14	19	<14	100
Zinc	405	<20	40	<10	Not available
Cyanide	170	40	120	110	200
Arsenic	43	<10	20	<10	10
Lead	36	<10	13	<10	15

Bold values >MCLs

Unfiltered samples from MW-2 and MW-7 showed an exceedance of the arsenic MCL and the MCL for lead was exceeded at MW-2.

3.1.3.3 Soil Results for September 2019 Sampling Event

Most arsenic concentrations were above the site-specific background value of 11.04 mg/kg and the Ohio EPA's AMS of 13 mg/kg. All arsenic concentrations exceeded the U.S. EPA residential RSL for arsenic of 0.68 mg/kg. However, arsenic is not considered a COC associated with plating operations at this property.

The highest concentrations of soil analytical results for cadmium, chromium (total and hexavalent), cyanide and zinc are summarized in Table 4. Several of the soil concentrations exceeded residential RSLs, specifically hexavalent chromium at CFA-07 (0-1), cyanide at SO-19(0-1) and cadmium at CFA-09(0-1), CFA-09 (1-2) and SO-19(0-1). Figure 4 shows the locations of the soil samples that exceeded residential RSLs.

Table 4: Highest Cadmium, Chromium, Cyanide and Zinc Concentrations in Soil during September 2019 Sampling Event

Ranking	Cadmium	Chromium, Total	Chromium, Hexavalent	Cyanide	Zinc
	Concentration in (mg/kg) / Associated Sample Location				
Highest	176 SO-19 (0-1)	1,400 SO-19 (0-1)	11.8 CFA-07 (0-1)	39.3 SO-19 (0-1)	7,280 SO-19 (0-1)
2 nd	161 CFA-09 (0-1)	359 CFA-07 (0-1)	2.82 CFA-06 (0-1)	21 SO-05 (0-1)	3,800 SO-05 (0-1)
3 rd	89.6 CFA-09 (1-2)	357 CFA-09 (0-1)	2.70 CFA-08 (0-1)	17.7 SB-02 (0-1)	3,170 CFA-09 (0-1)
4 th	46.3 CFA-08 (0-1)	182 CFA-08 (0-1)	1.95 SO-12 (0-1)	7.77 CFA-09 (0-1)	2,850 SB-01 (0-1) (0-1)
5 th	43.4 SB-07 (3-4)	162 SO-05 (0-1)	<1.04 SO-19 (0-1)	6.01 SB-01 (3-4)	2,550 CFA-07 (0-1)
6 th	35.5 CFA-07 (0-1)	161 SO-12 (0-1)	<0.98 CFA-09 (0-1)	4.07 SO-20 (0-1)	1,930 SB (0-2)
U.S. EPA Residential RSLs	71	120,000	3	23	23,000

Bold values > Residential RSLs

3.1.3.4 TCLP Results

To evaluate the leaching potential of some of the samples, four soil samples with high cadmium and chromium concentrations were analyzed by TCLP (see results in Table 5). Cadmium concentrations from SO-19 and CFA-09 (0-1 ft bgs) exceeded TCLP limits implying that if this soil was placed in a landfill that it could potentially leach cadmium.

Table 5: Select Cadmium and Chromium TCLP Results

Sample Location	Cadmium	Chromium
	(mg/L)	
SO-12 (0-1 ft bgs)	<0.10	<0.10
SO-19 (0-1 ft bgs)	1.62	0.20
CFA-07 (0-1 ft bgs)	0.32	0.19
CFA-09 (0-1 ft bgs)	1.66	0.11
TCLP Limits	1	5

Bold values > TCLP limits

3.1.4 Summary and Conclusion of September 2019 Sample Event

Based on the information gathered during the September 2019 sampling event, the only area that exceeded residential RSLs was around the southwest corner of Building 1 indicating that a release potentially occurred. Three soil samples exceeded the residential RSL for cadmium: SO-19, CFA-09 (0-1 ft bgs) and CFA-09 (1-2 ft bgs). One soil sample, CFA-07 (0-1 ft bgs), exceeded the residential RSL for hexavalent chromium. The only location to have exceeded the cyanide residential RSL is at SO-19 (0-1 ft bgs). Location SO-19 had the highest soil concentrations of the four main COCs (cadmium, chromium, zinc and cyanide) across the entire property. Corn field sample locations around SO-19: CFA-07 (0-1 ft bgs), CFA-08 (0-1 ft bgs) and CFA-09 (0-1 ft bgs) also had high concentrations of the four COCs. The vertical or horizontal extent of contamination around SO-19 was not entirely clear. The area around SO-19 appears to be the most contaminated and gradually decreases as you go west towards CFA-08. Soil samples to the southeast of CFA-09 (SB-07 and SO-18) showed decreasing concentrations of cadmium zinc and cyanide.

In addition to the area around SO-19, the area around the northeast corner of Building 1 shows a relationship between the four main COCs which may indicate that a release potentially occurred in this area as well. More specifically, cyanide at SO-05 (21 mg/kg) and SB-02 (17.7 mg/kg) did not exceed the residential RSL of 23 mg/kg, but they are much higher than the cyanide results found around the rest of the property. In addition, cadmium, chromium and zinc from SO-05 and SB-02 do not exceed residential RSLs but do exceed background and Ohio EPA AMS. SO-05 had the fifth highest concentration of chromium and the second highest concentration of zinc across the site. It appears that there is a relationship between the four main COCs that indicate a possible impact occurred in this area.

3.2 August 2020 Sampling Event

Ohio EPA contacted the property owners on June 6, 2020, to request access to the property so that further site investigations could be performed. The owners granted access to their property allowing sampling to occur. Further sampling was conducted in August 2020 to gather more information on the extent of the contamination around the southwest corner of the slab of the former Building 1. In addition, samples were collected across the property from sample locations used in September 2019 in order to determine leaching potential across the property.

3.2.1 Sampling Locations

A Geoprobe was used to install 13 direct push soil borings (Figure 5). Ten continuously sampled direct-push soil borings at the locations numbered AS-1 through AS-10 were installed, and samples were collected. Soil samples from AS-1 through AS-10 were collected at four depths: 0-1, 1-2, 2-3, and 3-4 ft bgs. The Geoprobe was also used to collect samples from SO-19 and CFA-07 at three depths: 1-2, 2-3, and 3-4 ft bgs. Soil samples were collected from CFA-09 at two depths: 2-3 and 3-4 ft bgs. The sample intervals closer to the surface at SO-19, CFA-07 and CFA-09 were collected in September 2019 and duplicate sampling was not conducted at these intervals in August 2020.

A total of 9 samples (SO-01, SB-01, SB-07, SO-05, SO-06, SO-07, SO-09, CFA-06, and CFA-08) were collected with the use of a direct push drill rig to a depth of 1 ft to determine site-wide leachability (see Figure 5).

3.1.2 Sample Analysis

The soil samples collected from AS-1 through AS-10, SO-19, CFA-07 and CFA-09 were analyzed for total cadmium, total zinc, and total chromium by EPA Method SW-6020A, cyanide by EPA Method SW-9014 and hexavalent chromium by EPA Method SW-7196A.

The soil samples collected from SO-01, SB-01, SB-07, SO-05, SO-06, SO-07, SO-09, CFA-06, and CFA-08 were analyzed for TCLP by EPA Method SW-6010B.

3.1.3 Results Description of Appropriate Standards

The soil data was compared to U.S. EPA RSLs for residential land use based on a target risk goal of 1E-06 and hazard risk goal of 1 for all COCs except for hexavalent chromium which was based on target risk goal of 1E-05 because of its carcinogenic mode of action. To evaluate the leaching potential, the 9 samples were compared to the TCLP limits. The residential RSLs and TCLP limits are presented in Table 6.

Table 6: Applicable Standards for August 2020

COC	Residential RSLs (mg/kg)*	TCLP Limits (mg/L)
Cadmium	71	1.0
Cyanide	23	Not available
Chromium, Total	120,000	5.0
Chromium, Hexavalent	3.0	Not available
Zinc	23,000	Not available

*RSLs based on target risk goal of 1E-06 and hazard risk goal of 1 for all COCs except for hexavalent chromium which is based on target risk goal of 1E-05 because of its carcinogenic mode of action.

3.1.3.2 Soil Results from August 2020

The results from the August 2020 soil sampling collected in the southwest area of Building 1 are summarized in Table 7. As seen in Table 7, there were several sample locations that had results that exceeded residential RSLs for hexavalent chromium, cyanide or cadmium. Specifically, samples from all depths at AS-4 exceeded the residential RSL for hexavalent chromium of 3 mg/kg. Soil sample AS-10 (0-1 ft) exceeded the residential RSL for cyanide of 23 mg/kg. Five sample intervals exceeded the residential RSL for cadmium of 71 mg/kg: AS-6 (2-3), AS-6 (3-4), AS-7 (0-1), CFA-09 (2-3) and CFA-09 (3-4). Figure 4 shows the locations of the soil samples that exceeded residential RSLs.

Table 7: August 2020 Soil Boring Analytical Results

Sample ID	Sample Depth (ft bgs)	August 2020 Results (mg/kg)				
		Cadmium	Chromium, total	Chromium, hexavalent	Cyanide	Zinc
AS-1	0-1	9.03	34.6	<0.99	0.54	253
	1-2	3.74	13.5	<0.50	<0.55	75.6
	2-3	6.75	8.45	<0.49	<0.53	85.8
	3-4	4.77	14.0	<0.50	<0.50	75.9
AS-2	0-1	26.8	174	<0.95	4.06	1,470
	1-2	13.0	46.8	<2.55	0.78	271
	2-3	17.6	24.0	0.93	<0.55	309
	3-4	4.78	10.6	<0.47	<0.55	73.1
AS-3	0-1	8.32	39.2	<0.96	0.62	243
	1-2	5.70	10.5	<0.47	<0.55	114
	2-3	4.94	12.9	<0.49	<0.57	98.1
	3-4	4.46	17.4	<0.49	<0.54	64.8
AS-4	0-1	4.76	288	3.03	5.66	153
	1-2	4.23	144	4.11	<0.62	60.5
	2-3	4.90	170	6.20	<0.61	111
	3-4	5.49	72.6	5.04	<0.51	96.3
AS-5	0-1	38.9	293	<0.95	7.26	2,010
	1-2	7.82	18.9	<0.97	<0.62	193
	2-3	7.30	18.8	<0.49	<0.55	108
	3-4	5.27	17.7	<0.51	<0.58	86.6
AS-6	0-1	6.75	55.6	<0.50	1.44	491
	1-2	7.52	18.5	<0.50	<0.60	1,020
	2-3	314	10.2	<0.48	<0.59	3,710
	3-4	101	10.2	<0.49	<0.56	1,510
AS-7	0-1	363	1040	0.54	5.49	8,420
	1-2	3.81	17.2	<0.50	<0.57	64.7
	2-3	4.96	16.9	<0.50	<0.58	84.5
	3-4	6.04	19.2	<0.51	<0.57	89.8
AS-8	0-1	14.8	28.5	1.17	0.62	308
	1-2	37.1	16.4	<0.49	<0.61	512
	2-3	14.3	18.5	<0.50	<0.53	279
	3-4	4.68	9.83	<0.46	<0.58	65.9
AS-9	0-1	54.9	263	<2.43	19.0	5,330
	1-2	5.40	16.0	<0.49	0.78	106
	2-3	4.75	11.2	<0.49	0.57	70.1
	3-4	4.15	10.2	<0.48	1.12	71.9

Sample ID	Sample Depth (ft bgs)	August 2020 Results (mg/kg)				
		Cadmium	Chromium, total	Chromium, hexavalent	Cyanide	Zinc
AS-10	0-1	41.2	352	<0.49	47.3	2,280
	1-2	6.56	13.8	<0.48	<0.56	97.3
	2-3	6.56	14.6	<0.49	<0.59	87.1
	3-4	4.91	14.0	<0.48	<0.58	61.0
SO-19	1-2	51.4	439	<0.51	3.08	1,110
	2-3	4.74	18.8	<0.49	<0.56	85.9
	3-4	5.54	15.4	<0.50	<0.57	90.0
CFA-07	1-2	21.3	31.1	<0.50	0.68	1,740
	2-3	5.80	12.7	<0.48	<0.60	139
	3-4	5.32	12.0	<0.48	<0.59	127
CFA-09	2-3	83.3	17.1	0.49	<0.59	980
	3-4	117	19.5	<0.50	<0.62	1,190
U.S. EPA Residential RSLs		71	120,000	3	23	23,000

3.1.1.1 TCLP Results

In August 2020, nine samples were collected site-wide to inform the site-wide leachability probability. After soil was excavated in December 2020, two confirmation samples (CS-10 and CS-12) were analyzed for TCLP cadmium (Section 4.1.1). As seen, in Table 8, none of the samples exceeded their associated TCLP limit which indicates that there is not a concern for soil leaching to ground water across the property.

Table 8: Site-Wide Cadmium and Chromium TCLP Results

Sample Location	Cadmium	Chromium
	(mg/L)	
SO-01	<0.10	<0.10
SB-01	<0.10	<0.10
SB-07	0.31	<0.10
SO-05	0.12	<0.10
SO-06	<0.10	<0.10
SO-07	<0.10	<0.10
SO-09	<0.10	<0.10
CFA-06	<0.10	<0.10
CFA-08	0.13	<0.10
CS-10*	0.34	NA
CS-12*	0.79	NA
TCLP Limits	1	5

Bold values>TCLP limits NA=not analyzed

***confirmation samples collected in December 2020 after excavation**

3.2.4 Summary and Conclusion of August 2020 Sample Event

The purpose of the additional soil boring samples being collected in August 2020 was to determine the extent of the contamination in the area to the southwest of Building 1. In September 2019, it was found that several COCs exceeded residential RSLs in this area, specifically, hexavalent chromium at CFA-07 (0-1), cyanide at SO-19 (0-1), and cadmium at SO-19 (0-1), CFA-09(0-1) and CFA-09(1-2). The additional sampling in August 2020 was able to fully define the extent of the contamination of hexavalent chromium at CFA-07, cyanide at SO-19 and cadmium at SO-19 by showing samples below residential RSLs at deeper intervals and in surrounding samples. However, the extent of the cadmium contamination at CFA-09 was not able to be fully defined by the additional sample results from August 2020. The samples collected from deeper intervals (2-3 ft bgs and 3-4 ft bgs) at CFA-09 also exceeded the residential RSL. In addition to the extent not being fully defined at CFA-09, the additional samples collected in August 2020 indicated further contamination areas where the extent could not be fully defined. For example, there were hexavalent chromium concentrations at all depths (0-1, 1-2, 2-3, and 3-4 ft bgs) at AS-4 that exceeded residential RSLs and there were cadmium concentrations at the two lowest depth intervals (2-3 and 3-4 ft bgs) that exceeded residential RSLs.

4.0 Remedial Activities

Given the soil contamination as described in Section 3.0, the soil analytical data obtained from the property was evaluated and several remedial options were reviewed and considered. It was decided to pursue the option that would remove and dispose of soil contaminated by listed waste (hexavalent chromium, cadmium, and cyanide) and other target COCs (arsenic, chromium, and zinc) that were above the U.S. EPA residential single- and multiple-chemical RSLs.

The land use at the property is currently residential. As such, any soil that exceeded residential RSLs needed remediation. Residential standards were used to determine the volume of soil that must be excavated and the volume that could remain on the property. Any excavated soil intended for disposal off-property was compared to industrial RSLs and TCLP limits.

4.1 Soil Excavation

Ohio EPA contacted the property owners on October 28, 2020, to request access to the property so that remedial work could be performed. The owners signed an access agreement on October 30, 2020 allowing remedial activities to occur.

Based on the need to remediate soil that exceeded residential RSLs and the data collected in 2019 and 2020, it was determined that soil containing concentrations of cadmium, hexavalent chromium, and cyanide above risk standards needed to be excavated and properly disposed from two areas; Remediation Area 1 (REM-1), and Remediation Area 2 (REM-2) shown in Figure 6.

Ohio EPA's contractor and subcontractors mobilized to the property on December 8, 2020, to clear the excavation areas of potential utilities and to mark the excavation locations. Field activities commenced on December 9, 2020, at REM-1.

4.1.1 Remediation Area 1

Remediation Area 1 (REM-1) is located adjacent and to the west of the existing floor slab of Building 1. REM-1 is located near what was previously identified as SWMU 5, Former Outdoor Stripping Bath Site, in the PR/VSI (April 1991). The REM-1 area covers 15 sample locations: SB-06, AS-4, AS-5, AS-2, CFA-07, AS-1, SO-19, AS-6, SB-7/MW-7, AS-8, AS-7, CFA-09, AS-10, AS-9, and CFA-08. In a Contained-In Determination dated November 23, 2020, the data from these sample locations was further evaluated to determine if the excavated soil could be managed and disposed of as hazardous or non-hazardous waste. The excavation at REM-1 included excavation of surface soil (0-1 ft bgs) and subsurface (1-4.5 ft bgs) soil at certain locations (see Figure 6). Within REM-1, it was determined that five locations would be removed as hazardous waste due to high concentrations found at these locations. The five locations were CFA-09 (0-4 ft bgs), AS-6 (0-4 ft bgs), AS-4 (0-4 ft bgs), AS-07 (0-1 ft bgs) and SO-19 (0-2 ft bgs). Once these five locations were removed, the remaining surface soil (0-1 ft bgs) at REM-1 was removed and stockpiled on a section of the concrete pad at Building 1 that was covered with plastic sheeting. Ten samples (SP-1 through SP-10) collected from the stockpile were further analyzed for TCLP (arsenic, cadmium, chromium, and lead) and total nickel to inform the best method for disposal. Given the analytical sampling results of the stockpile (Table 9), it was determined that the stockpile needed to be disposed of as hazardous waste since 4 of the 10 samples failed TCLP limits for cadmium. After the five locations and the remaining 0-1 ft interval at REM-1 were removed, the statistical evaluation shown in Exhibit 2 of the Contained-In Determination (November 23, 2020) supported that the remaining subsurface soil at REM-1 could be disposed of as non-hazardous waste.

After the initial excavation at REM-1, a total of 9 confirmation samples (CS-1 through CS-9) were collected; 5 samples from the walls of the excavation pit, 3 samples from the floor (one near AS-4, AS-6 and CFA-09) of the excavation pit, and one sample was collected as a lateral control point to the south of AS-9. The confirmation samples were collected on December 11 and 15, 2020, and were analyzed for hexavalent chromium, cadmium, nickel, cyanide and zinc. Three of the confirmation samples (CS-2, CS-5, and CS-8) exceeded either hexavalent chromium or cadmium residential RSLs and therefore required further over-excavation in those areas. After over-excavation activities were performed in the three areas, an additional confirmation sample collected from each area (CS-10 through CS-12) and analyzed for the same suite of COCs. Two of the confirmation samples (CS-10 and CS-12) that were over-excavated were also analyzed for TCLP cadmium because the soil concentrations at these locations were above TCLP screening values for cadmium (i.e. total constituent values greater than 20 X TCLP standards). The results for the additional confirmation samples (CS-10 through CS-12) were all below residential RSLs and TCLP limits. The confirmation sample locations are shown in Figure 6 and the results are presented in Table 10. The final confirmation samples indicate that soil concentrations are no longer exceeding residential RSLs in the southwest corner of Building 1.

Table 9: REM-1 (0-1 ft bgs) Stockpile Sample Results

Sample ID	TCLP (mg/L)				Total Metals (mg/kg)
	Arsenic	Cadmium	Chromium	Lead	
SP -1	<0.50	0.46	<0.10	<0.10	14.5
SP -2	<0.50	2.35	0.22	<0.10	11.7
SP -3	<0.50	1.36	<0.10	<0.10	14.4
SP -4	<0.50	0.68	<0.10	<0.10	19.5
SP -5	<0.50	1.37	0.23	<0.10	15.5
SP -6	<0.50	<0.10	<0.10	<0.10	14.4
SP -7	<0.50	0.38	0.20	<0.10	15.2
SP -8	<0.50	9.04	<0.10	<0.10	15.6
SP -9	<0.50	0.26	<0.10	<0.10	15.4
SP -10	<0.50	<0.10	<0.10	<0.10	14.3
TCLP Limits	5.00	1.00	5.00	5.00	NA
Industrial RSL based on ECLR=1x10-5 and HI=1.0					22,000

Bold values>TCLP limits

Table 10: Post-Excavation Confirmation Sample Results

Confirmation ID	Total Metals (mg/kg)				TCLP (mg/L)		Comments
	Chromium, Hexavalent	Cadmium	Nickel	Cyanide	Zinc	Cadmium	
CS-1	<0.50	49.8*	47.3	<0.60	1,310	NS	
CS-2	<0.47	254*	36.8	<0.58	2,580	NS	Floor sample near AS-6. Further excavation required.
CS-3	<0.46	17.1	43.6	4.57	288	NS	
CS-4	<0.48	25.1*	51.3	<0.58	285	NS	
CS-5	<0.52	71.4*	27.8	<0.64	678	NS	Floor sample near CFA-09. Further excavation required.
CS-6	<0.49	18	34.3	<0.61	242	NS	
CS-7	0.93	5.91	39.8	<0.60	113	NS	
CS-8	4.68	47.4*	26.9	2.09	145	NS	Northeast wall sample. Further excavation required.
CS-9	0.95	4.08	15.3	<0.61	136	NS	
CS-10	<0.48	21.9*	25.2	<0.56	493	0.34	Associated with CS-2 over excavation
CS-11	<0.50	5.12	14	2.52	58.3	NS	Associated with CS-8 over excavation
CS-12	<0.49	54.3*	20.3	<0.60	147	0.79	Associated with CS-5 over excavation
Applicable Standards**	3	71	1,500	23	23,000	1	

Bold values>Residential RSLs

*sample results>20 x TCLP

**U.S. EPA Residential RSL or TCLP Limit

NS=not sampled

4.1.2 Remediation Area 2

Remediation Area 2 (REM-2) is located adjacent and to the north of the existing floor slab of Building 1 (Figure 6). REM-2 is located near what was previously identified as AOC A, the unloading/loading dock, in the PR/VSI (April 1991). The REM-2 area covers four sample locations from the September 2019 and August 2020 sampling events: SB-1, SO-05, SO-06 and SB-2. In a Contained-In Determination dated November 23, 2020, the data collected in September 2019 and August 2020 for these four samples was evaluated and it was determined that the soil removed from REM-2 could be disposed of off-property as non-hazardous waste. The soil analytical data collected in September 2019 at subsurface intervals (depths greater than 1 ft bgs) from REM-2 indicate that there are no soil concentrations that exceed residential RSLs in the northeast corner of Building 1.

4.2 Waste Removal Activities

On December 11 and 15, 2020, non-hazardous soil waste from REM-1 and REM-2 was loaded for disposal to a licensed disposal facility. Between December 16 through 21, 2020, excavated soil from the hazardous soil waste stockpile was transported to a licensed disposal/treatment facility. The soil characterized as non-hazardous waste was taken to Republic Services in Carey, Ohio and soil characterized as hazardous waste was disposed of at U.S. Ecology in Bellville, Michigan. Manifests for all disposed wastes can be found in Ohio EPA's eDocument portal (specific links can be found in Section 6.0) or BRG's *Soil Remediation Completion Report* (February 10, 2021).

Approximately 552.5 tons of impacted soil was excavated to depths extending between 4.5 and 6 feet below grade in some locations. The excavated soil was disposed of off-property and included 193.75 tons as hazardous waste and 358.76 tons as non-hazardous waste. Appendix A contains photos documenting the remediation efforts.

4.3 Backfilling, Pressure-Washing, Site Restoration and Demobilization

Between December 21 through December 23, 2020, clean backfill material, approximately 706.12 tons of virgin bank-run soil sourced from Bartley and Bolin, Inc.'s McNaul Road facility located near Ashland, OH, was placed in REM-1 and REM-2 and compacted as part of the site restoration work to the approximate original grade.

Pressure-washing of the concrete pad of the former Building 1 that temporarily staged the stockpile of contaminated soil occurred on December 23, 2020. One drum of rinseate was generated and disposed as hazardous waste at Environmental Enterprises, Inc in Columbus, Ohio.

On December 30, 2020, placement of grass seed and straw mats for erosion control occurred and equipment was demobilized from the property. A summary of the soil analytical results for the backfill material are provided in Table 11.

Table 11: Summary of Backfill Soil Analytical Results
 (source: Soil Remediation Completion Report, February 2021, BRG)

Sample Location:	Bank Run-1	Bank Run-2	Bank Run-3	Representative Concentrations	Generic Single-Chemical Residential Direct Contact Standard
Date Sampled:	12/3/2020	12/3/2020	12/3/2020		
Laboratory Report No.:	20120091	20120091	20120091		
Metals					
Asenic	17.4	19.6	19.6	17.4	19.1, 20.7 ^a
Barium	18.6	21.4	26.7	34.6	10,000
Chromium	0.029	0.006	0.004	0.029	140
Chromium, Total	0.02	0.8	5.67	9.32	271
Cadmium	0.05	12.9	3.56	12.9	400
Lead	15.5	12.4	88.2	155	47,000
Mercury					
n-Hexane	0.0109 ± 0.00560		0.0297	0.0297	140
SVOCs					
bis (2-ethylhexyl) phthalate	±0.047	1.44 ± 0.014		1.44	780

Notes:

- 1) Results and Standards in mg/kg or parts per million (ppm)
- 2) Only those compounds detected are listed
- 3) Standards per OAC 3745-500-08, Appendix A Residential Land Use
- 4) *Ohio EPA MVR Eval. of Background Metal Soil Concentrations in nearby Lorain and Franklin Counties
- 5) *Measurement Chromium standard
- 6) Compounds analyzed for VOCs, SVOCs, TPH, RCRA Metals = Zn, and Total Cyanide

5.0 Conclusions and Recommendations

The Ohio EPA has prepared this DD to describe the remedial actions taken at the Former South Side Plating Facility. South Side Plating was subject to unit closure and this DD was written in place of a closure certification. This DD identified Ohio EPA's selected remedies and demonstrated that these corrective measures are enough to manage current risks, and ultimately lead to closure of the site. Based on Ohio EPA's review of the data, the RCRA closure performance standards were met at the Former South Side Plating Facility and no further action is required at this time.

6.0 References

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<http://edocpub.epa.ohio.gov/publicportal/ViewDocument.aspx?docid=1493768>

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Ohio EPA, Northwest District Office files, DERR, Southside Plating, Crawford County, General File, HW 1987-1990.

Ohio EPA, Northwest District Office files, DERR, Southside Plating, General File 1991-, Crawford County, HW.

Ohio EPA, Northwest District Office files, DERR, Southside Plating, CA. 963 Edward St., Galion, OHD 064 102 874, Crawford County, DHWM.

Out-of-County Waiver Request for non-hazardous soil, South Side Plating Inc

<http://edocpub.epa.ohio.gov/publicportal/ViewDocument.aspx?docid=1477211>

FIGURES

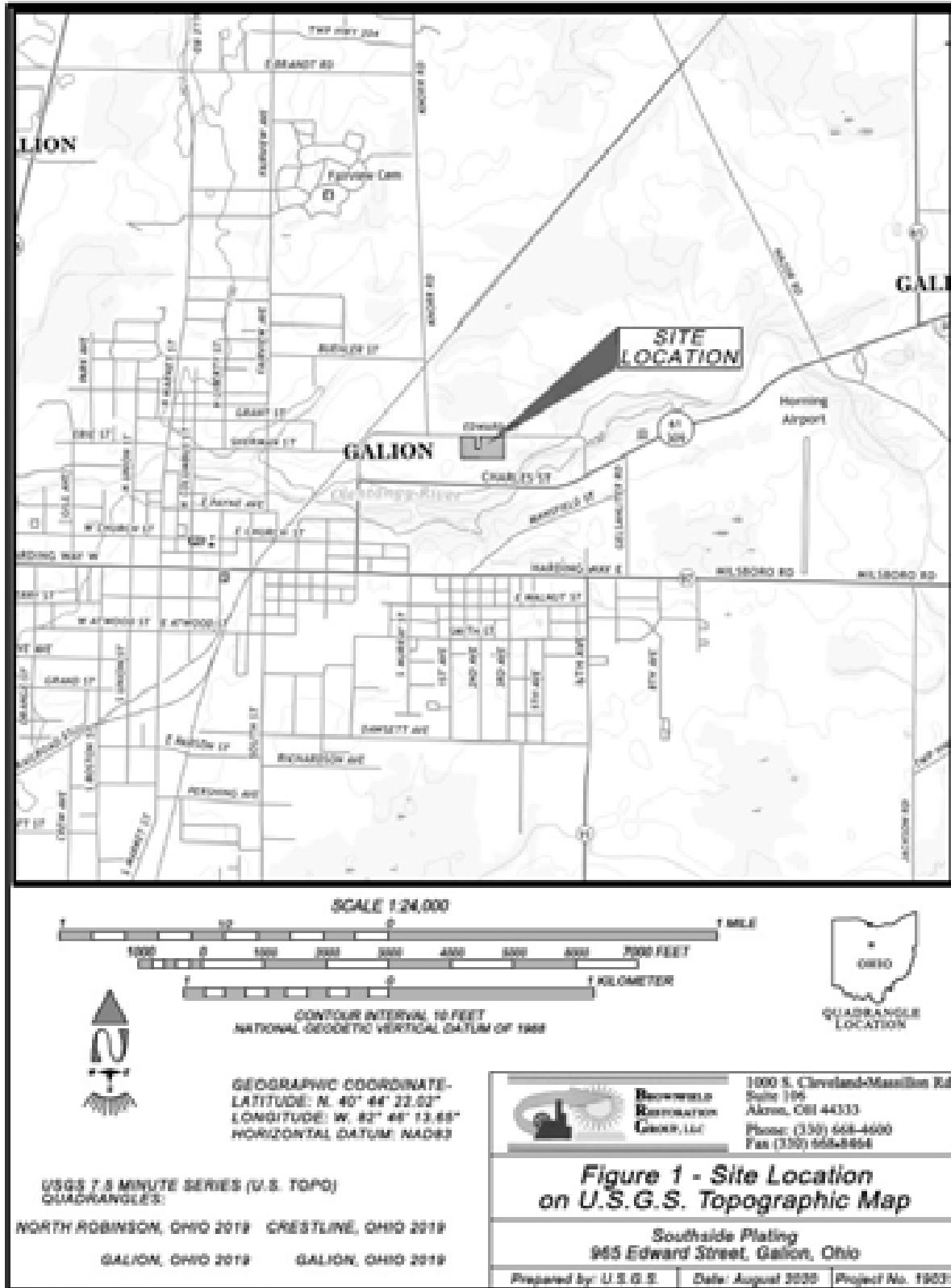


Figure 1: Property Location



Figure 2: Approximate Locations of SWMUs and AOCs as Identified in PR/VSI (1991)

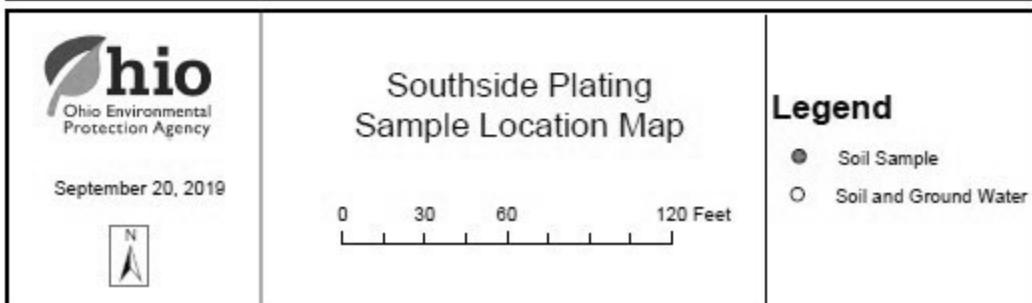
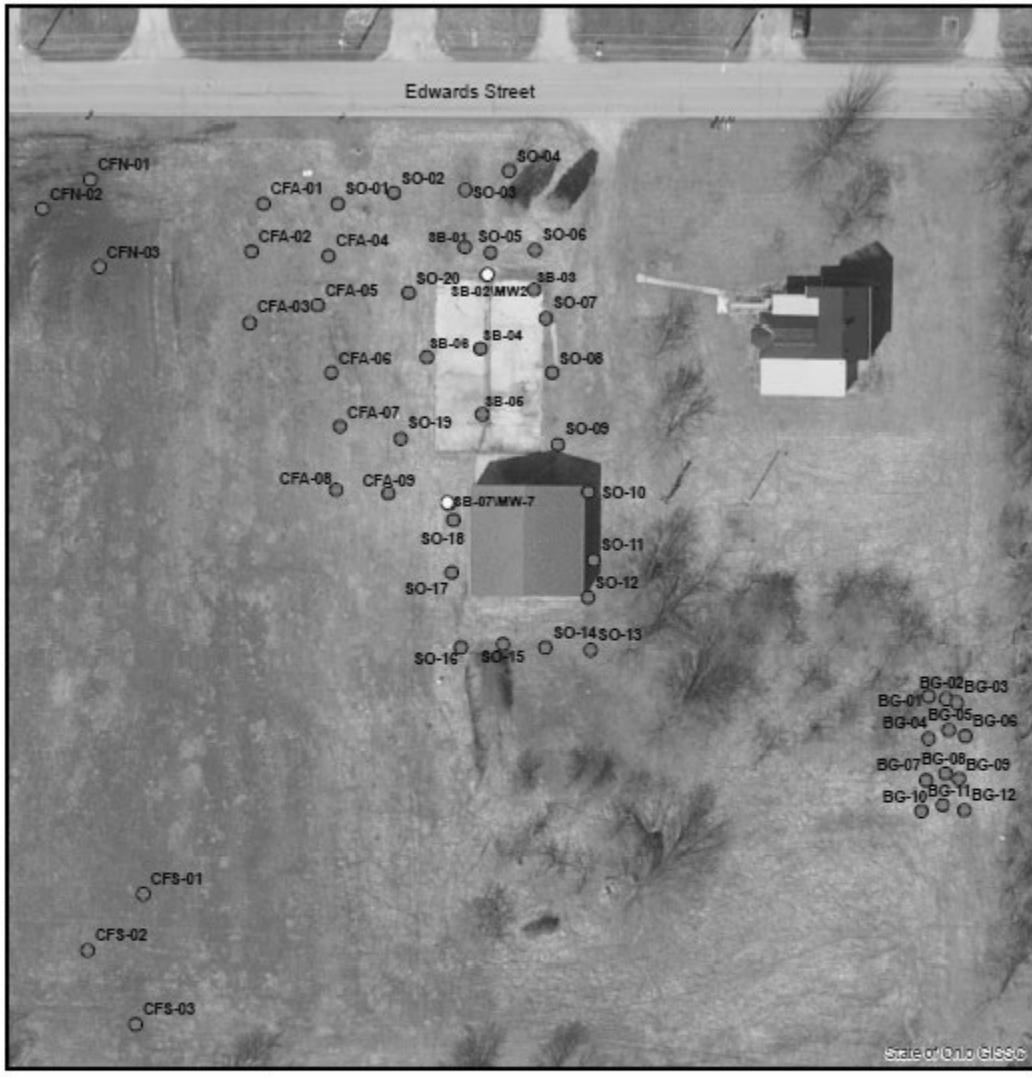


Figure 3: September 2019 Sample Locations

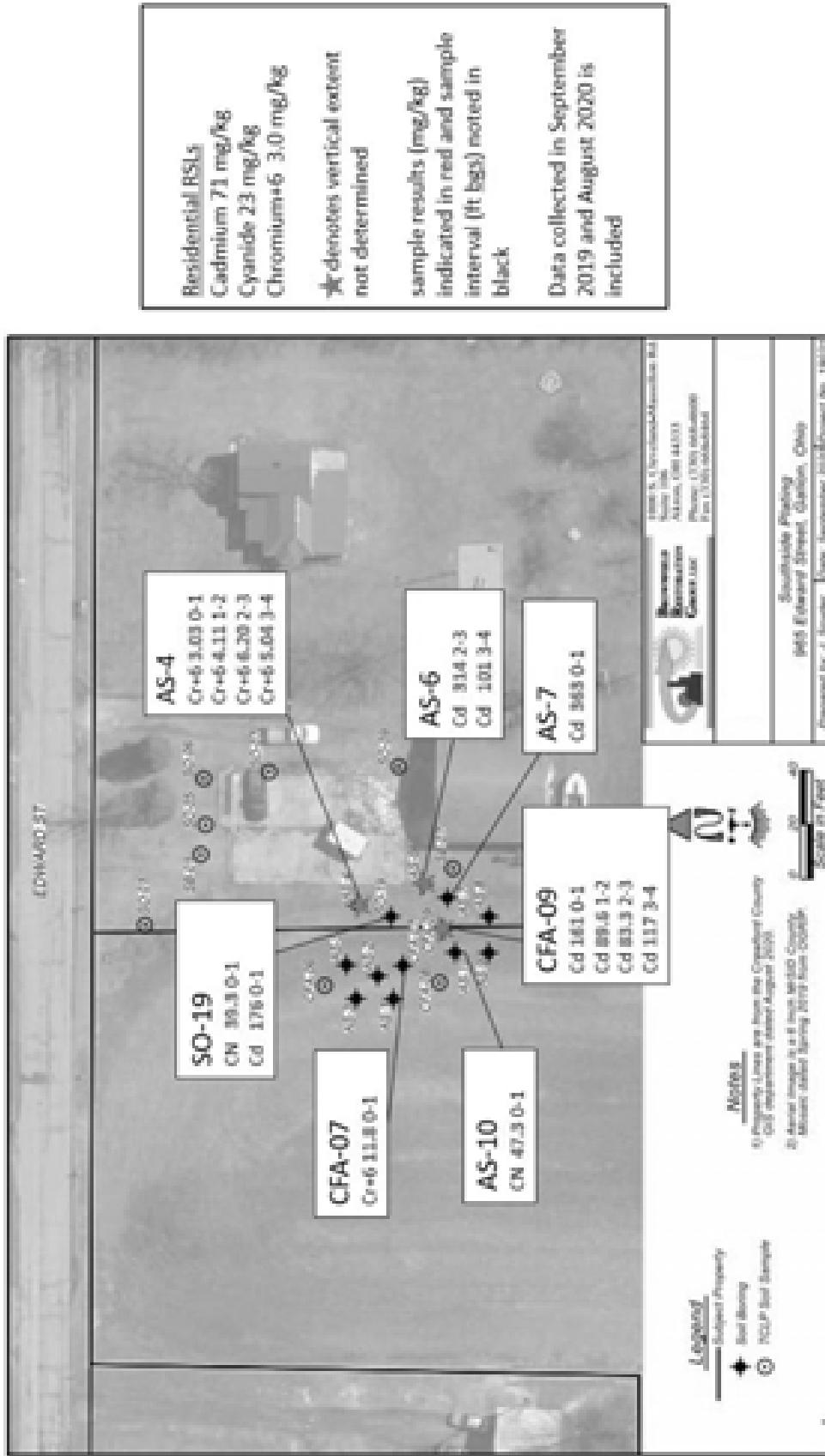


Figure 4: Soil Locations that Exceeded Residential RSLs during the September 2019 and August 2020 Sampling Events

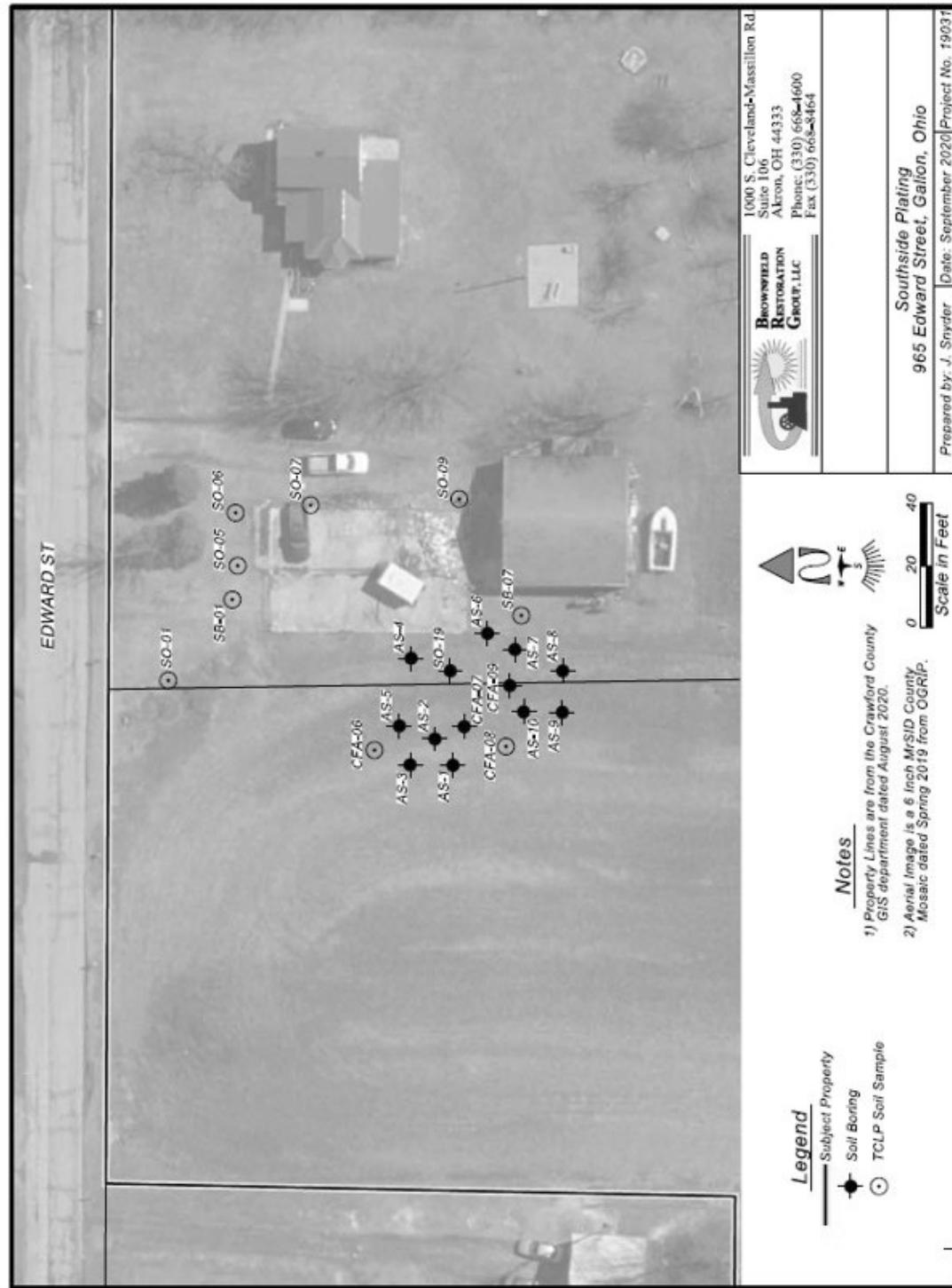


Figure 5: August 2020 Sample Locations.

Soil Boring Locations Are To Determine Horizontal and Vertical Extent of Soil Exceeding Residential RSLs. The TCLP Locations are to Determine Leaching Potential Across the Property.

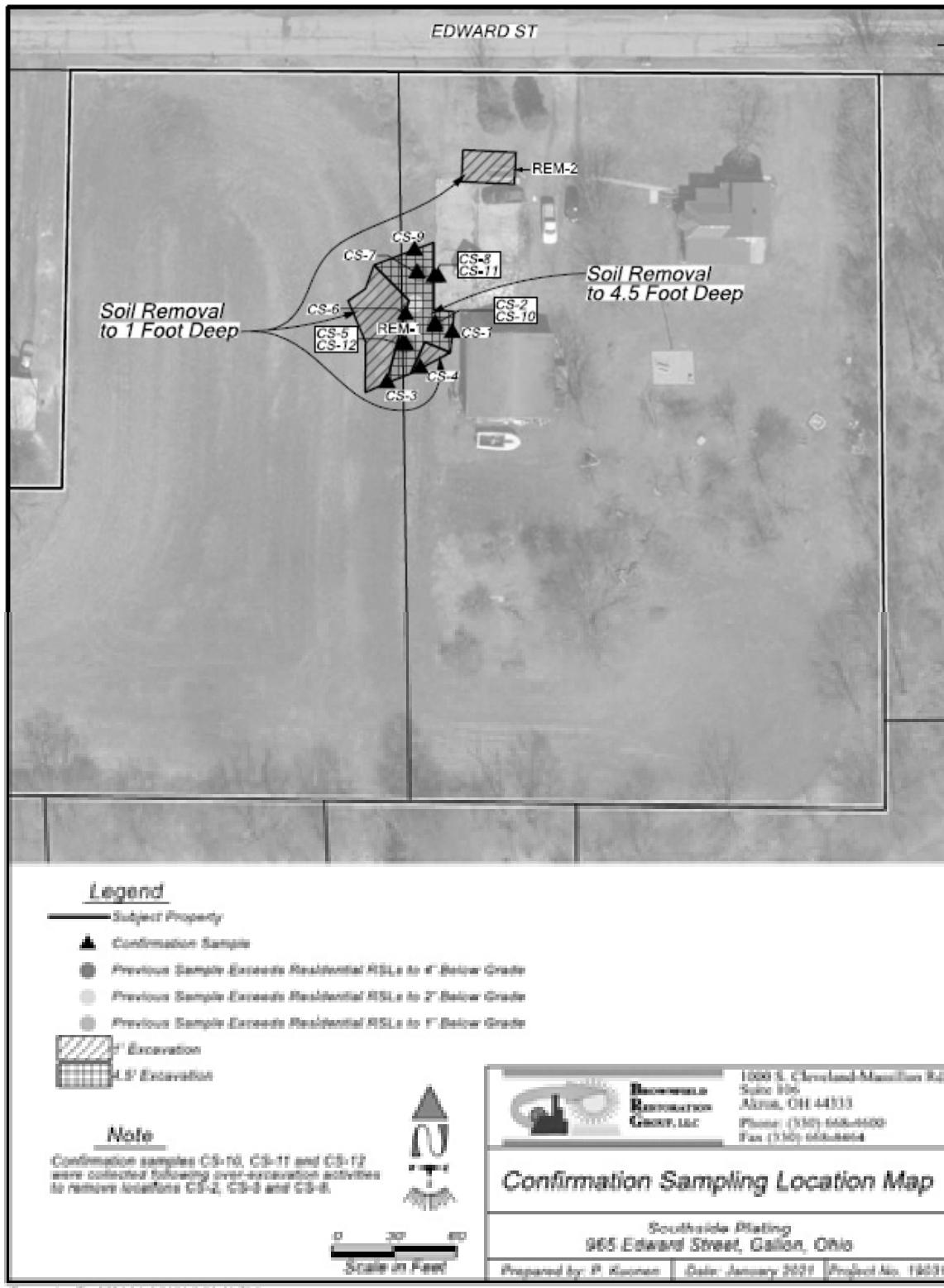


Figure 6: Excavation Areas and Confirmation Sample Locations

Appendix A: Photo Log

Former South Side Plating Excavation December 8, 2020 – December 23, 2020

Photographs taken by Brownfield Restoration Group, LLC

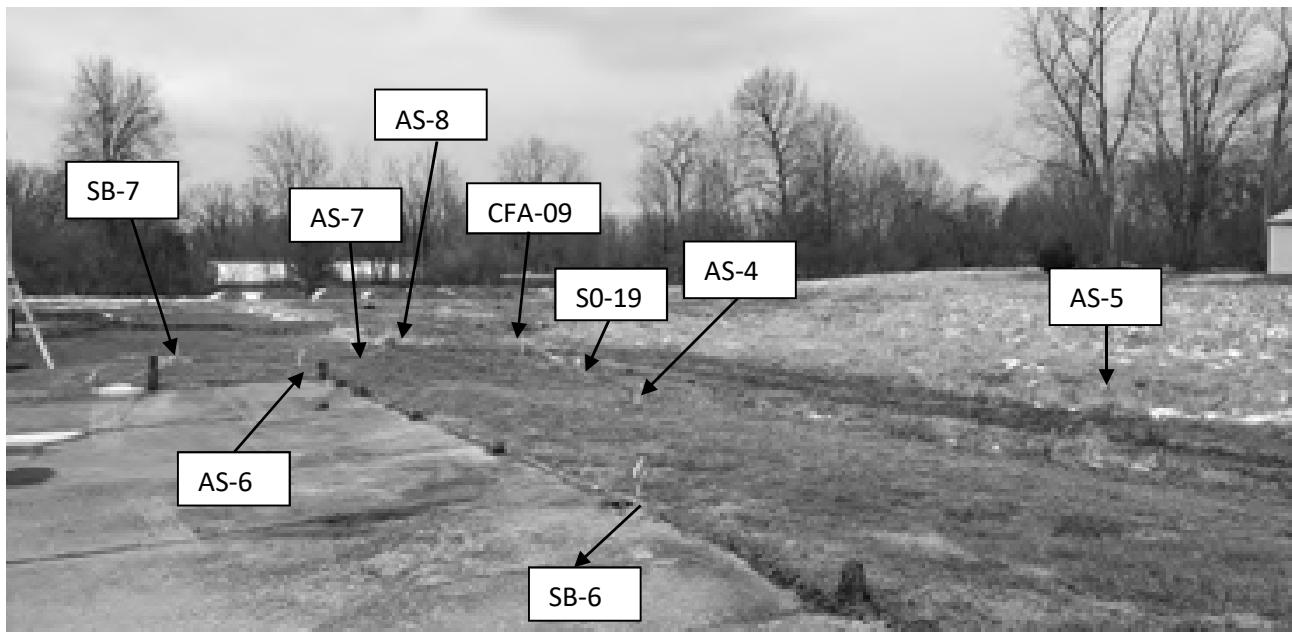


Fig. 1 General overview of REM-1 Area, facing southwest.

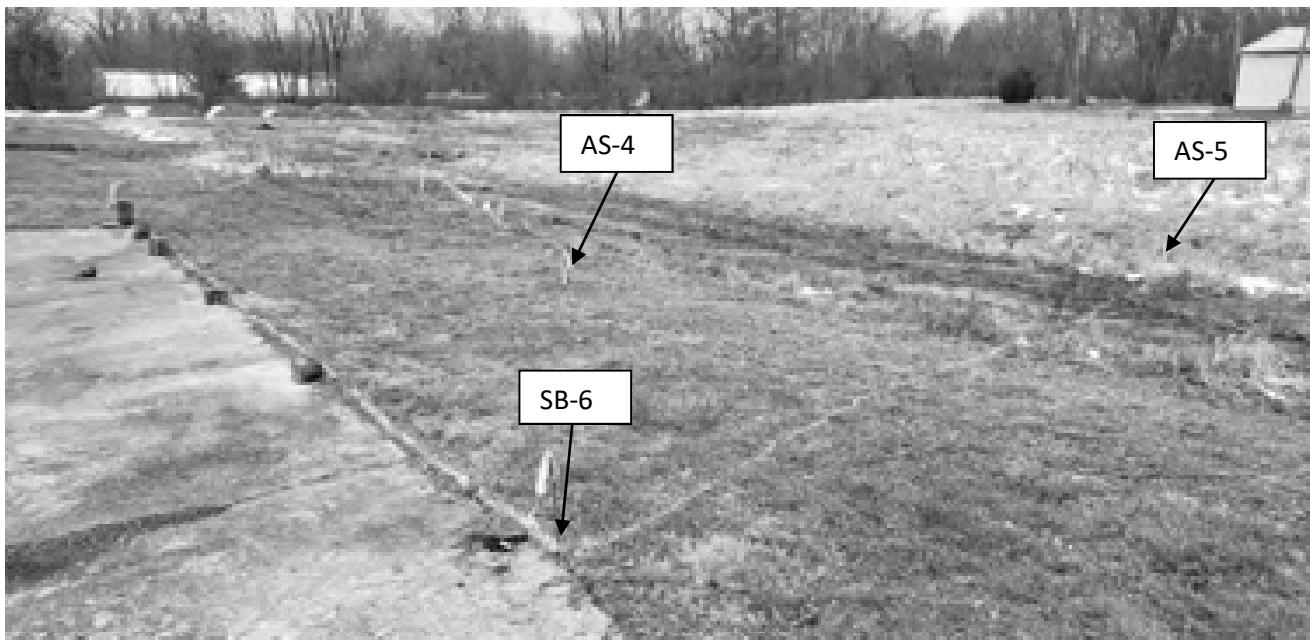


Fig. 2 Northern area of REM-1 excavation area outlined.

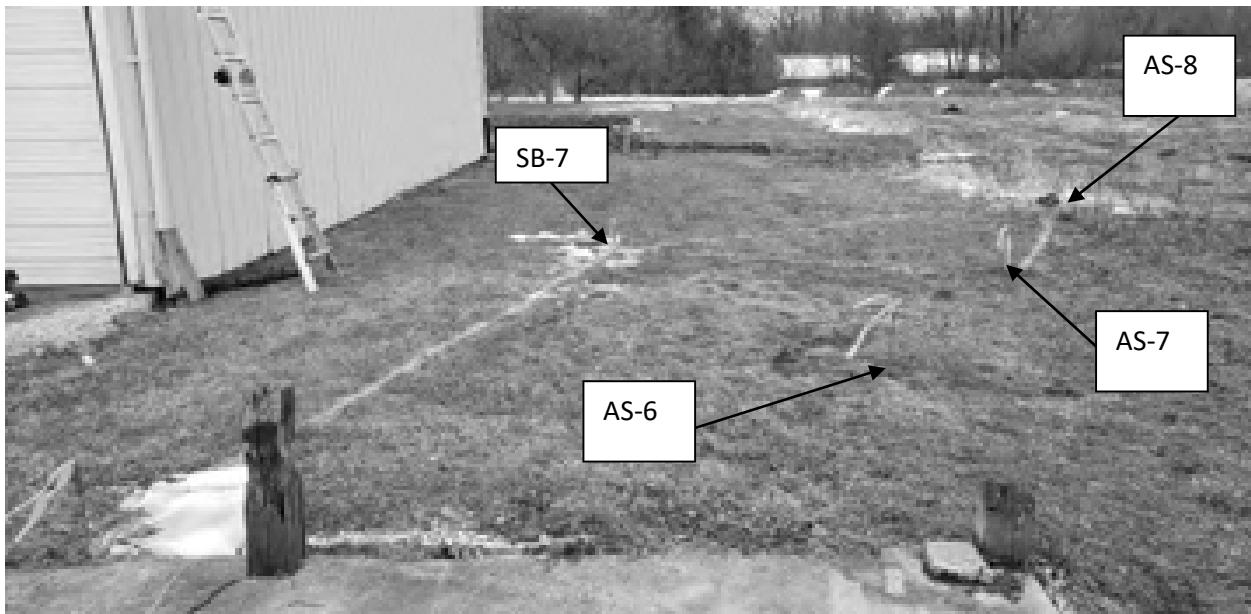


Fig. 3 REM-1 southern area of excavation. AS-6 in foreground, AS-7 in background on right.



Fig. 4 Southwest corner of excavation at REM-1.



Fig. 5 AS-4 excavation location in foreground. SO-19 on the far left.

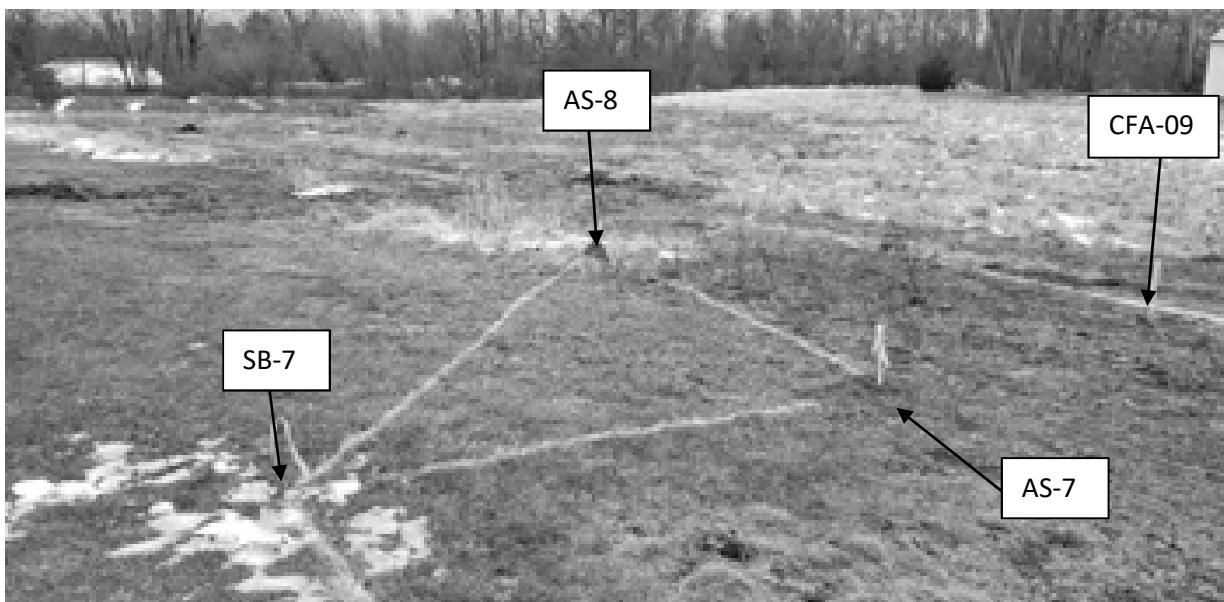


Fig. 6 Triangular 1 ft. depth excavation area at the southwestern end of REM-1. Flag in the background is the southern boundary point of REM-1.



Fig. 7 REM-2 white outline shows excavation area, facing north.



Fig. 8 REM-2, facing east. Stockpile covered.



Fig. 9 AS-4 Excavation down to 4.5 ft.



Fig. 10 Excavation at CFA-09 down to 4.5 ft



Fig. 11 Excavation at AS-7 down to 1 ft.



Fig. 12 AS-6 location flagged for excavation.



Fig. 13 AS-6 excavated to 4.5 ft.



Fig. 14 Excavation down to 2.5 ft. at SO-19.



Fig. 15 Start of stockpile on concrete pad from top one foot of soil from REM-1.



Fig. 16 Top one foot of soil removal from REM-1, facing northwest. Stockpile of excavated top one foot of soil is staged on pad and covered on the right.



Fig. 17 Beginning of excavation work in southwest corner. Abandoned water line on right.

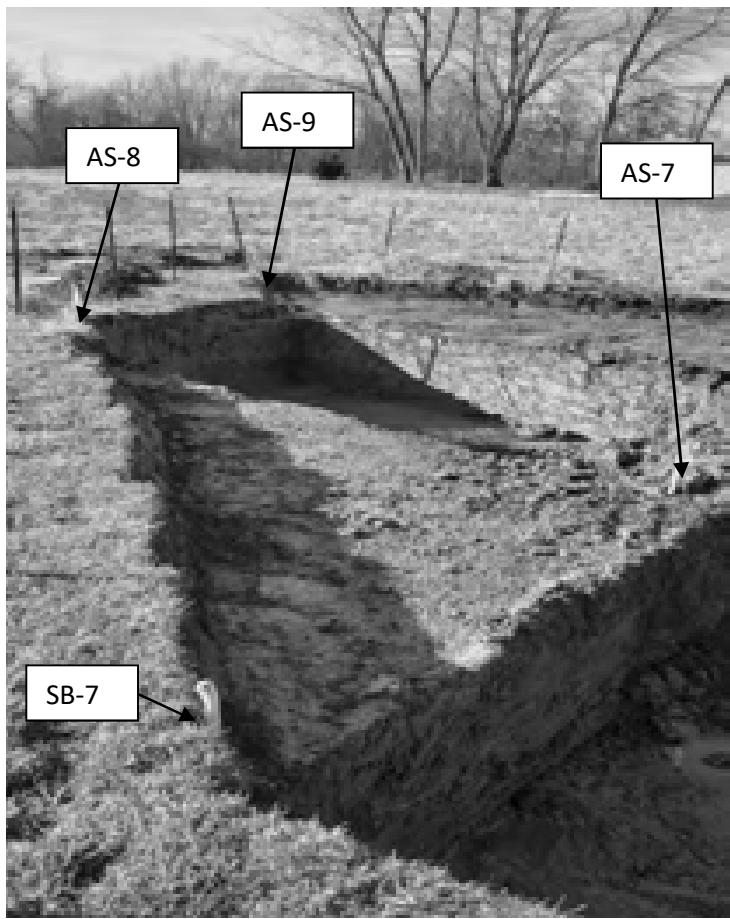


Fig. 18 Southern end of REM-1. Shows 1 ft. excavation between SB-7, AS-8 and AS-7 (in foreground). Excavation down to 4.5 ft. between AS-8 and AS-9.



Fig. 19 REM-2 post excavation of top one foot of soil on left. Covered stockpile on right.



Fig. 20 Confirmation samples CS-1 wall sample in background, CS-2, a floor sample, in middle of picture.



Fig. 21 Flags denote confirmation sample locations, (from left background to foreground on right) CS-4, CS-3, and CS-5 (floor sample).

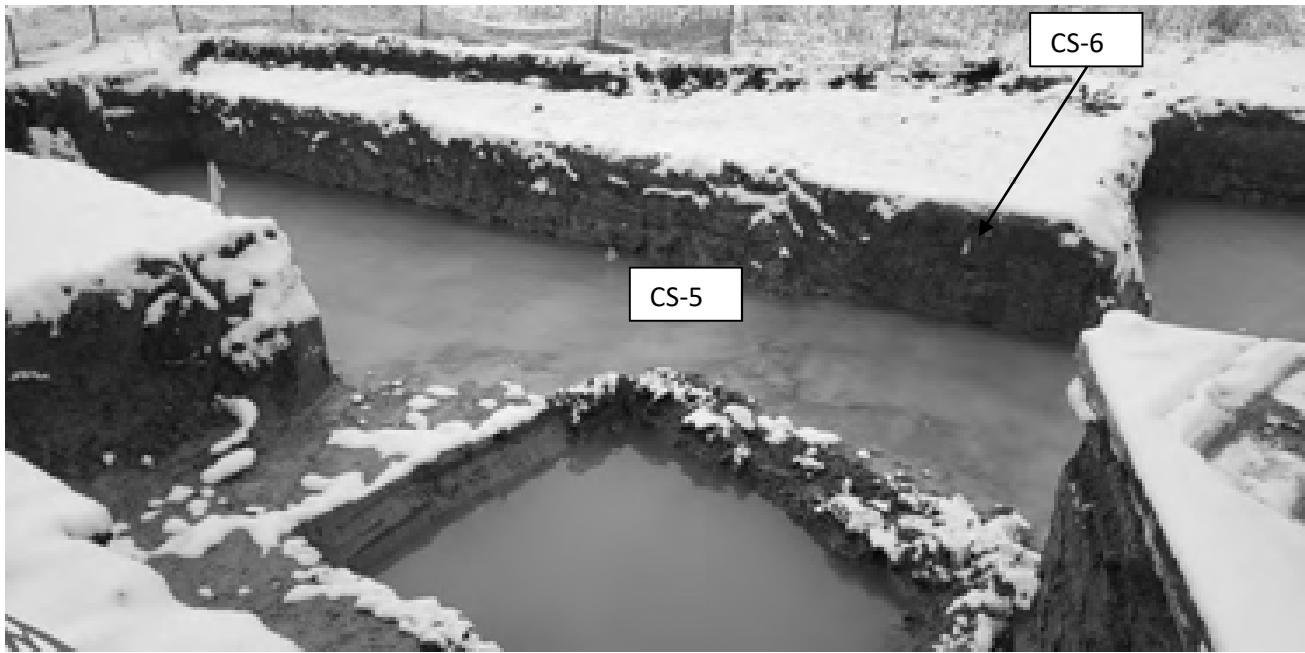


Fig. 22 Area in foreground is where CS-2 collected, then further excavated and CS-10 was collected.



Fig. 23 Confirmation Sample CS-7 denoted with flag.



Fig. 24 Overview of REM-1 excavation area after soil removal (looking south).



Fig. 25 Overview of REM-1 excavation area (looking north).



Fig. 26 Beginning of backfill activities.



Fig. 27 Completion of backfill activities, view facing north.



Fig. 28 Backfill activities completed, overview of REM-2 in foreground and REM-1 in background, picture taken 12/23/20.



Fig. 29 Power-washing of concrete pad area where stockpile temporarily staged.



Fig. 30 Seed and straw applied to backfilled areas, REM-2 in foreground.



Fig. 31 Seed and straw applied to entire work area.

Appendix B: Analytical Lab Reports

ANALYTICAL REPORT

Lab Project # L19-18905

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 09/12/2019
Reported: 10/11/2019
Date/Time Sampled: 09/11/2019 11:18
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: BG-01

Lab Sample # **L19-18905-01**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Total Solids	80.4	%	0.01	SM-2540 G	TNS	09/12/2019	
Arsenic, Total	9.50	mg/Kg	0.617	SW-6020A	BAS	09/30/2019	
Barium, Total	84.8	mg/Kg	1.23	SW-6020A	BAS	09/30/2019	
	The matrix spike fell outside method limits biased high. The result for this sample should be evaluated accordingly.						
Cadmium, Total	<0.617	mg/Kg	0.617	SW-6020A	BAS	09/30/2019	
Chromium, Total	17.2	mg/Kg	0.617	SW-6020A	BAS	09/30/2019	
	The matrix spike fell outside method limits biased high. The result for this sample should be evaluated accordingly.						
Lead, Total	29.7	mg/Kg	1.23	SW-6020A	BAS	09/30/2019	
Selenium, Total	<0.617	mg/Kg	0.617	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.617	mg/Kg	0.617	SW-6020A	BAS	09/30/2019	
Zinc, Total	64.9	mg/Kg	1.23	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/01/2019	

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date/Time Sampled: 09/11/2019 11:27

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: BG-02

Lab Sample # L19-18905-02

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	9.97	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Barium, Total	80.8	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.612	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Chromium, Total	17.8	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Lead, Total	27.7	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.688	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.612	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Zinc, Total	67.0	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
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Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905
Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

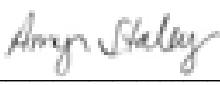
Sample ID: BG-03

Lab Sample # L19-18905-03

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	12.3	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Barium, Total	84.1	mg/Kg	1.21	SW-6020A	BAS	09/30/2019	
Cadmium, Total	0.674	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Chromium, Total	20.3	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Lead, Total	23.8	mg/Kg	1.21	SW-6020A	BAS	09/30/2019	
Selenium, Total	<0.603	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.603	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Zinc, Total	82.9	mg/Kg	1.21	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 11:44

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

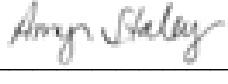
Sample ID: BG-04

Lab Sample # L19-18905-04

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	9.60	mg/Kg	0.599	SW-6020A	BAS	09/30/2019	
Barium, Total	79.1	mg/Kg	1.20	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.599	mg/Kg	0.599	SW-6020A	BAS	09/30/2019	
Chromium, Total	16.1	mg/Kg	0.599	SW-6020A	BAS	09/30/2019	
Lead, Total	28.7	mg/Kg	1.20	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.604	mg/Kg	0.599	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.599	mg/Kg	0.599	SW-6020A	BAS	09/30/2019	
Zinc, Total	64.1	mg/Kg	1.20	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905
Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

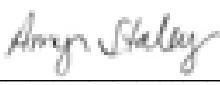
Sample ID: BG-05

Lab Sample # L19-18905-05

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	10.1	mg/Kg	0.602	SW-6020A	BAS	09/30/2019	
Barium, Total	74.6	mg/Kg	1.20	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.602	mg/Kg	0.602	SW-6020A	BAS	09/30/2019	
Chromium, Total	17.6	mg/Kg	0.602	SW-6020A	BAS	09/30/2019	
Lead, Total	27.3	mg/Kg	1.20	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.632	mg/Kg	0.602	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.602	mg/Kg	0.602	SW-6020A	BAS	09/30/2019	
Zinc, Total	60.5	mg/Kg	1.20	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

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ANALYTICAL REPORT

Lab Project # L19-18905
Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

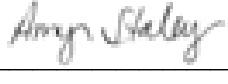
Sample ID: BG-06

Lab Sample # L19-18905-06

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	13.5	mg/Kg	0.609	SW-6020A	BAS	09/30/2019	
Barium, Total	87.0	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Cadmium, Total	0.614	mg/Kg	0.609	SW-6020A	BAS	09/30/2019	
Chromium, Total	20.0	mg/Kg	0.609	SW-6020A	BAS	09/30/2019	
Lead, Total	22.9	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Selenium, Total	<0.609	mg/Kg	0.609	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.609	mg/Kg	0.609	SW-6020A	BAS	09/30/2019	
Zinc, Total	83.8	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 11:54

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: BG-07

Lab Sample # L19-18905-07

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	10.2	mg/Kg	0.611	SW-6020A	BAS	09/30/2019	
Barium, Total	85.4	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.611	mg/Kg	0.611	SW-6020A	BAS	09/30/2019	
Chromium, Total	16.5	mg/Kg	0.611	SW-6020A	BAS	09/30/2019	
Lead, Total	36.5	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.621	mg/Kg	0.611	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.611	mg/Kg	0.611	SW-6020A	BAS	09/30/2019	
Zinc, Total	62.9	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
 Attn: Gary Deutschman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019 12:00
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

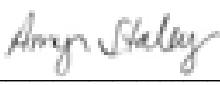
Sample ID: BG-08

Lab Sample # L19-18905-08

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	9.27	mg/Kg	0.596	SW-6020A	BAS	09/30/2019	
Barium, Total	86.4	mg/Kg	1.19	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS	09/30/2019	
Chromium, Total	15.9	mg/Kg	0.596	SW-6020A	BAS	09/30/2019	
Lead, Total	41.2	mg/Kg	1.19	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.621	mg/Kg	0.596	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS	09/30/2019	
Zinc, Total	65.4	mg/Kg	1.19	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 12:05

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: BG-09

Lab Sample # L19-18905-09

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	10.1	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Barium, Total	90.7	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.612	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Chromium, Total	16.1	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Lead, Total	34.2	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.682	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.612	mg/Kg	0.612	SW-6020A	BAS	09/30/2019	
Zinc, Total	66.8	mg/Kg	1.22	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
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 347 N. Downbridge Rd
 Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019 12:11
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: BG-10

Lab Sample # L19-18905-10

Results reported on a dry weight basis.

Total solids result of 81.3% (average of % solids results for L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	10.2	mg/Kg	0.590	SW-6020A	BAS	09/30/2019	
Barium, Total	94.8	mg/Kg	1.18	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	09/30/2019	
Chromium, Total	15.9	mg/Kg	0.590	SW-6020A	BAS	09/30/2019	
Lead, Total	30.4	mg/Kg	1.18	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.802	mg/Kg	0.590	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	09/30/2019	
Zinc, Total	57.4	mg/Kg	1.18	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 12:17

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

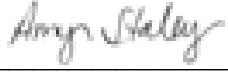
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: BG-11

Lab Sample # L19-18905-11

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Total Solids	82.2	%	0.01	SM-2540 G	TNS	09/12/2019	
Arsenic, Total	9.02	mg/Kg	0.581	SW-6020A	BAS	09/30/2019	
Barium, Total	80.4	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.581	mg/Kg	0.581	SW-6020A	BAS	09/30/2019	
Chromium, Total	17.2	mg/Kg	0.581	SW-6020A	BAS	09/30/2019	
Lead, Total	24.6	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Selenium, Total	<0.581	mg/Kg	0.581	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.581	mg/Kg	0.581	SW-6020A	BAS	09/30/2019	
Zinc, Total	55.6	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 12:17

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

Project Name: **Southside Plating-Galion RCGFI 317003417002**

Sample ID: **BG-12**

Lab Sample # **L19-18905-12**

Results reported on a dry weight basis.

Total solids result of 81.3% (average of L19-18905-01 and L19-18905-11) used to calculate dry weight values per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Arsenic, Total	10.7	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Barium, Total	87.2	mg/Kg	1.21	SW-6020A	BAS	09/30/2019	
Cadmium, Total	<0.603	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Chromium, Total	17.5	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Lead, Total	25.4	mg/Kg	1.21	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.617	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.603	mg/Kg	0.603	SW-6020A	BAS	09/30/2019	
Zinc, Total	67.0	mg/Kg	1.21	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/01/2019

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA
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347 N. Downbridge Rd
Bowling Green, OH 43402

ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 12:48

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

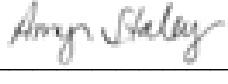
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-01

Lab Sample # L19-18905-13

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.94	mg/Kg	0.59	SW-9014	LW	09/17/2019	
Total Solids	84.9	%	0.01	SM-2540 G	TNS	09/12/2019	
Arsenic, Total	9.45	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Barium, Total	65.4	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Cadmium, Total	14.3	mg/Kg	0.578	SW-6020A	BAS	10/08/2019	
Chromium, Total	20.6	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Lead, Total	25.0	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.628	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Zinc, Total	184	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019 12:56
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

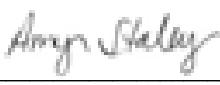
Project Name: **Southside Plating-Galion RCGFI 317003417002**

Sample ID: **SO-02**

Lab Sample # **L19-18905-14**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.27	mg/Kg	0.58	SW-9014	LW	09/17/2019	
Total Solids	85.9	%	0.01	SM-2540 G	TNS	09/12/2019	
Arsenic, Total	11.4	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Barium, Total	85.5	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Cadmium, Total	34.3	mg/Kg	0.578	SW-6020A	BAS	10/08/2019	
Chromium, Total	17.5	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Lead, Total	83.3	mg/Kg	1.16	SW-6020A	BAS	10/08/2019	
Selenium, Total	0.581	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	09/30/2019	
Zinc, Total	204	mg/Kg	1.16	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019 12:57
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

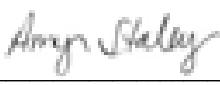
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-03

Lab Sample # **L19-18905-15**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.51	mg/Kg	0.51	SW-9014	LW	09/17/2019	
Total Solids	95.4	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	11.8	mg/Kg	0.522	SW-6020A	BAS	09/30/2019	
Barium, Total	24.0	mg/Kg	1.04	SW-6020A	BAS	09/30/2019	
Cadmium, Total	0.757	mg/Kg	0.522	SW-6020A	BAS	09/30/2019	
Chromium, Total	10.5	mg/Kg	0.522	SW-6020A	BAS	09/30/2019	
Lead, Total	41.8	mg/Kg	1.04	SW-6020A	BAS	09/30/2019	
Selenium, Total	<0.522	mg/Kg	0.522	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.522	mg/Kg	0.522	SW-6020A	BAS	09/30/2019	
Zinc, Total	79.0	mg/Kg	1.04	SW-6020A	BAS	09/30/2019	
Mercury, Total	<0.105	mg/Kg	0.105	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

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Sampled By: DP

Sampled Matrix: Solid

Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-04

Lab Sample # L19-18905-16

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	LW		09/17/2019
Total Solids	87.0	%	0.01	SM-2540 G	TNS		09/15/2019
Arsenic, Total	14.3	mg/Kg	0.569	SW-6020A	BAS		09/30/2019
Barium, Total	76.4	mg/Kg	1.14	SW-6020A	BAS		09/30/2019
Cadmium, Total	1.18	mg/Kg	0.569	SW-6020A	BAS		09/30/2019
Chromium, Total	19.4	mg/Kg	0.569	SW-6020A	BAS		09/30/2019
Lead, Total	32.2	mg/Kg	1.14	SW-6020A	BAS		09/30/2019
Selenium, Total	0.592	mg/Kg	0.569	SW-6020A	BAS		09/30/2019
Silver, Total	<0.569	mg/Kg	0.569	SW-6020A	BAS		09/30/2019
Zinc, Total	117	mg/Kg	1.14	SW-6020A	BAS		09/30/2019
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM		10/01/2019

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: **Southside Plating-Galion RCGFI 317003417002**

Sample ID: **SO-05**

Lab Sample # **L19-18905-17**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	21.0	mg/Kg	0.58	SW-9014	LW	09/17/2019	
Total Solids	86.3	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	13.8	mg/Kg	0.569	SW-6020A	BAS	09/30/2019	
Barium, Total	57.5	mg/Kg	1.14	SW-6020A	BAS	09/30/2019	
Cadmium, Total	3.49	mg/Kg	0.569	SW-6020A	BAS	09/30/2019	
Chromium, Total	162	mg/Kg	0.569	SW-6020A	BAS	10/08/2019	
Lead, Total	25.9	mg/Kg	1.14	SW-6020A	BAS	09/30/2019	
Selenium, Total	0.678	mg/Kg	0.569	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.569	mg/Kg	0.569	SW-6020A	BAS	09/30/2019	
Zinc, Total	3800	mg/Kg	1.14	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.116	mg/Kg	0.116	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

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Date Sampled: 09/11/2019 13:14

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

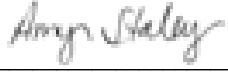
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-06

Lab Sample # L19-18905-18

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/17/2019	
Total Solids	84.9	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	11.6	mg/Kg	0.576	SW-6020A	BAS	09/30/2019	
Barium, Total	96.2	mg/Kg	1.15	SW-6020A	BAS	09/30/2019	
Cadmium, Total	1.53	mg/Kg	0.576	SW-6020A	BAS	09/30/2019	
Chromium, Total	21.5	mg/Kg	0.576	SW-6020A	BAS	09/30/2019	
Lead, Total	50.8	mg/Kg	1.15	SW-6020A	BAS	09/30/2019	
Selenium, Total	<0.576	mg/Kg	0.576	SW-6020A	BAS	09/30/2019	
Silver, Total	<0.576	mg/Kg	0.576	SW-6020A	BAS	09/30/2019	
Zinc, Total	317	mg/Kg	1.15	SW-6020A	BAS	10/08/2019	
Mercury, Total	0.155	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019 13:25
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

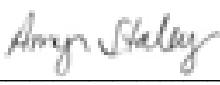
Project Name: **Southside Plating-Galion RCGFI 317003417002**

Sample ID: **SO-07**

Lab Sample # **L19-18905-19**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.56	mg/Kg	0.56	SW-9014	LW	09/17/2019	
Total Solids	87.4	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	10.5	mg/Kg	0.567	SW-6020A	BAS	09/23/2019	
Barium, Total	50.1	mg/Kg	1.13	SW-6020A	BAS	09/23/2019	
Cadmium, Total	2.49	mg/Kg	0.567	SW-6020A	BAS	09/23/2019	
Chromium, Total	25.5	mg/Kg	0.567	SW-6020A	BAS	09/23/2019	
Lead, Total	45.3	mg/Kg	1.13	SW-6020A	BAS	09/23/2019	
Selenium, Total	0.599	mg/Kg	0.567	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.567	mg/Kg	0.567	SW-6020A	BAS	09/23/2019	
Zinc, Total	183	mg/Kg	1.13	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.114	mg/Kg	0.114	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 13:32

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

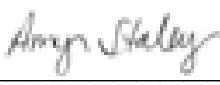
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-08

Lab Sample # L19-18905-20

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	LW	09/17/2019	
Total Solids	88.2	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	12.7	mg/Kg	0.557	SW-6020A	BAS	09/23/2019	
Barium, Total	78.4	mg/Kg	1.11	SW-6020A	BAS	09/23/2019	
Cadmium, Total	1.15	mg/Kg	0.557	SW-6020A	BAS	09/23/2019	
Chromium, Total	21.0	mg/Kg	0.557	SW-6020A	BAS	09/23/2019	
Lead, Total	28.2	mg/Kg	1.11	SW-6020A	BAS	09/23/2019	
Selenium, Total	0.604	mg/Kg	0.557	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.557	mg/Kg	0.557	SW-6020A	BAS	09/23/2019	
Zinc, Total	101	mg/Kg	1.11	SW-6020A	BAS	09/23/2019	
Mercury, Total	0.159	mg/Kg	0.113	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
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Date Sampled: 09/11/2019 13:45
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: **Southside Plating-Galion RCGFI 317003417002**

Sample ID: **SO-09**

Lab Sample # **L19-18905-21**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	2.35	mg/Kg	0.58	SW-9014	LW	09/17/2019	
Total Solids	82.9	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	10.3	mg/Kg	0.601	SW-6020A	BAS	09/23/2019	
Barium, Total	40.7	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Cadmium, Total	5.09	mg/Kg	0.601	SW-6020A	BAS	09/23/2019	
Chromium, Total	135	mg/Kg	0.601	SW-6020A	BAS	09/23/2019	
Lead, Total	48.6	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.601	mg/Kg	0.601	SW-6020A	BAS	09/23/2019	
Silver, Total	2.15	mg/Kg	0.601	SW-6020A	BAS	09/23/2019	
Zinc, Total	491	mg/Kg	1.20	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/01/2019	

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Sampled By: DP

Sampled Matrix: Solid

Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-10

Lab Sample # L19-18905-22

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.80	mg/Kg	0.57	SW-9014	LW	09/17/2019	
Total Solids	83.2	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	13.5	mg/Kg	0.594	SW-6020A	BAS	09/23/2019	
Barium, Total	74.2	mg/Kg	1.19	SW-6020A	BAS	09/23/2019	
Cadmium, Total	1.96	mg/Kg	0.594	SW-6020A	BAS	09/23/2019	
Chromium, Total	31.0	mg/Kg	0.594	SW-6020A	BAS	09/23/2019	
Lead, Total	48.4	mg/Kg	1.19	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.594	mg/Kg	0.594	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.594	mg/Kg	0.594	SW-6020A	BAS	09/23/2019	
Zinc, Total	1270	mg/Kg	1.19	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

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Date Sampled: 09/11/2019 14:00

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

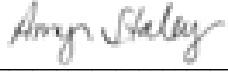
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-11

Lab Sample # L19-18905-23

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.55	mg/Kg	0.66	SW-9014	LW	09/17/2019	
Total Solids	75.3	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	1.99	mg/Kg	0.659	SW-6020A	BAS	09/23/2019	
Barium, Total	29.5	mg/Kg	1.32	SW-6020A	BAS	09/23/2019	
Cadmium, Total	3.30	mg/Kg	0.659	SW-6020A	BAS	09/23/2019	
Chromium, Total	116	mg/Kg	0.659	SW-6020A	BAS	09/23/2019	
Lead, Total	21.1	mg/Kg	1.32	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.659	mg/Kg	0.659	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.659	mg/Kg	0.659	SW-6020A	BAS	09/23/2019	
Zinc, Total	998	mg/Kg	1.32	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.133	mg/Kg	0.133	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

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Date Sampled: 09/11/2019 14:09
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

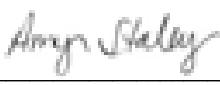
Project Name: **Southside Plating-Galion RCGFI 317003417002**

Sample ID: **SO-12**

Lab Sample # **L19-18905-24**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.92	mg/Kg	0.59	SW-9014	LW	09/17/2019	
Total Solids	82.1	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	12.7	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Barium, Total	86.3	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Cadmium, Total	6.41	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Chromium, Total	161	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Lead, Total	46.6	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.600	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.600	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Zinc, Total	1100	mg/Kg	1.20	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

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Sampled By: DP

Sampled Matrix: Solid

Containers: 1

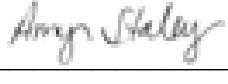
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-13

Lab Sample # L19-18905-25

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/17/2019	
Total Solids	84.2	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	10.8	mg/Kg	0.573	SW-6020A	BAS	09/23/2019	
Barium, Total	116	mg/Kg	1.15	SW-6020A	BAS	09/23/2019	
Cadmium, Total	1.24	mg/Kg	0.573	SW-6020A	BAS	09/23/2019	
Chromium, Total	18.9	mg/Kg	0.573	SW-6020A	BAS	09/23/2019	
Lead, Total	55.1	mg/Kg	1.15	SW-6020A	BAS	10/08/2019	
Selenium, Total	0.657	mg/Kg	0.573	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.573	mg/Kg	0.573	SW-6020A	BAS	09/23/2019	
Zinc, Total	117	mg/Kg	1.15	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

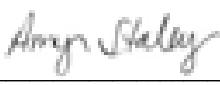
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-14

Lab Sample # L19-18905-26

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.64	mg/Kg	0.64	SW-9014	LW	09/17/2019	
Total Solids	76.4	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	10.4	mg/Kg	0.652	SW-6020A	BAS	09/23/2019	
Barium, Total	100	mg/Kg	1.30	SW-6020A	BAS	09/23/2019	
Cadmium, Total	0.955	mg/Kg	0.652	SW-6020A	BAS	09/23/2019	
Chromium, Total	17.6	mg/Kg	0.652	SW-6020A	BAS	09/23/2019	
Lead, Total	63.8	mg/Kg	1.30	SW-6020A	BAS	10/08/2019	
Selenium, Total	<0.652	mg/Kg	0.652	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.652	mg/Kg	0.652	SW-6020A	BAS	09/23/2019	
Zinc, Total	135	mg/Kg	1.30	SW-6020A	BAS	09/23/2019	
Mercury, Total	0.135	mg/Kg	0.131	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 14:27

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

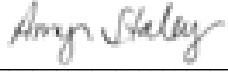
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-15

Lab Sample # L19-18905-27

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.65	mg/Kg	0.65	SW-9014	LW	09/17/2019	
Total Solids	74.1	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	10.1	mg/Kg	0.670	SW-6020A	BAS	09/23/2019	
Barium, Total	110	mg/Kg	1.34	SW-6020A	BAS	09/23/2019	
Cadmium, Total	1.04	mg/Kg	0.670	SW-6020A	BAS	09/23/2019	
Chromium, Total	17.2	mg/Kg	0.670	SW-6020A	BAS	09/23/2019	
Lead, Total	65.3	mg/Kg	1.34	SW-6020A	BAS	10/08/2019	
Selenium, Total	<0.670	mg/Kg	0.670	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.670	mg/Kg	0.670	SW-6020A	BAS	09/23/2019	
Zinc, Total	147	mg/Kg	1.34	SW-6020A	BAS	09/23/2019	
Mercury, Total	0.146	mg/Kg	0.135	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019

Reported: 10/11/2019

Date Sampled: 09/11/2019 14:32

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

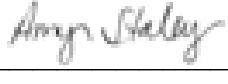
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-16

Lab Sample # L19-18905-28

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.71	mg/Kg	0.71	SW-9014	LW	09/17/2019	
Total Solids	70.5	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	10.9	mg/Kg	0.708	SW-6020A	BAS	09/23/2019	
Barium, Total	104	mg/Kg	1.42	SW-6020A	BAS	09/23/2019	
Cadmium, Total	1.86	mg/Kg	0.708	SW-6020A	BAS	09/23/2019	
Chromium, Total	18.8	mg/Kg	0.708	SW-6020A	BAS	09/23/2019	
Lead, Total	59.0	mg/Kg	1.42	SW-6020A	BAS	09/23/2019	
Selenium, Total	0.821	mg/Kg	0.708	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.708	mg/Kg	0.708	SW-6020A	BAS	09/23/2019	
Zinc, Total	212	mg/Kg	1.42	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.142	mg/Kg	0.142	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18905

Received: 09/12/2019
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Date Sampled: 09/11/2019 14:36
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: **Southside Plating-Galion RCGFI 317003417002**

Sample ID: **SO-17**

Lab Sample # **L19-18905-29**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	2.61	mg/Kg	0.61	SW-9014	LW	09/17/2019	
Total Solids	78.6	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	11.7	mg/Kg	0.628	SW-6020A	BAS	09/23/2019	
Barium, Total	98.4	mg/Kg	1.26	SW-6020A	BAS	09/23/2019	
Cadmium, Total	8.64	mg/Kg	0.628	SW-6020A	BAS	09/23/2019	
Chromium, Total	43.7	mg/Kg	0.628	SW-6020A	BAS	09/23/2019	
Lead, Total	59.3	mg/Kg	1.26	SW-6020A	BAS	10/08/2019	
Selenium, Total	<0.628	mg/Kg	0.628	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.628	mg/Kg	0.628	SW-6020A	BAS	09/23/2019	
Zinc, Total	622	mg/Kg	1.26	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.127	mg/Kg	0.127	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18905

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Received: 09/12/2019
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Date Sampled: 09/11/2019 14:45
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-18

Lab Sample # **L19-18905-30**

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.32	mg/Kg	0.61	SW-9014	LW	09/17/2019	
Total Solids	78.2	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	12.6	mg/Kg	0.618	SW-6020A	BAS	09/23/2019	
Barium, Total	98.0	mg/Kg	1.24	SW-6020A	BAS	09/23/2019	
Cadmium, Total	10.5	mg/Kg	0.618	SW-6020A	BAS	09/23/2019	
Chromium, Total	53.0	mg/Kg	0.618	SW-6020A	BAS	09/23/2019	
Lead, Total	61.2	mg/Kg	1.24	SW-6020A	BAS	10/08/2019	
Selenium, Total	<0.618	mg/Kg	0.618	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.618	mg/Kg	0.618	SW-6020A	BAS	09/23/2019	
Zinc, Total	216	mg/Kg	1.24	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.128	mg/Kg	0.128	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18905

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Received: 09/12/2019
Reported: 10/11/2019
Date Sampled: 09/11/2019 14:53
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

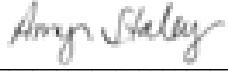
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-19

Lab Sample # L19-18905-31

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	39.3	mg/Kg	3.23	SW-9014	LW	09/19/2019	
Total Solids	76.9	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	13.0	mg/Kg	0.629	SW-6020A	BAS	09/23/2019	
Barium, Total	99.8	mg/Kg	1.26	SW-6020A	BAS	09/23/2019	
Cadmium, Total	176	mg/Kg	0.629	SW-6020A	BAS	10/08/2019	
Chromium, Total	1400	mg/Kg	0.629	SW-6020A	BAS	10/08/2019	
Lead, Total	137	mg/Kg	1.26	SW-6020A	BAS	10/08/2019	
Selenium, Total	0.701	mg/Kg	0.629	SW-6020A	BAS	09/23/2019	
Silver, Total	1.66	mg/Kg	0.629	SW-6020A	BAS	09/23/2019	
Zinc, Total	7280	mg/Kg	1.26	SW-6020A	BAS	10/08/2019	
Mercury, Total	0.146	mg/Kg	0.130	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18905

Received: 09/12/2019

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Date Sampled: 09/11/2019 14:52

Sampled By: DP

Sampled Matrix: Solid

Containers: 1

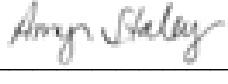
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SO-20

Lab Sample # L19-18905-32

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	4.07	mg/Kg	0.58	SW-9014	LW	09/17/2019	
Total Solids	82.6	%	0.01	SM-2540 G	TNS	09/15/2019	
Arsenic, Total	11.6	mg/Kg	0.593	SW-6020A	BAS	09/23/2019	
Barium, Total	86.4	mg/Kg	1.19	SW-6020A	BAS	09/23/2019	
Cadmium, Total	6.83	mg/Kg	0.593	SW-6020A	BAS	09/23/2019	
Chromium, Total	39.4	mg/Kg	0.593	SW-6020A	BAS	09/23/2019	
Lead, Total	102	mg/Kg	1.19	SW-6020A	BAS	10/08/2019	
Selenium, Total	<0.593	mg/Kg	0.593	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.593	mg/Kg	0.593	SW-6020A	BAS	09/23/2019	
Zinc, Total	456	mg/Kg	1.19	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 09:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

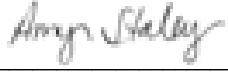
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-01 (0-1)

Lab Sample # L19-18998-01

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.62	mg/Kg	0.62	SW-9014	LW	09/19/2019	
Total Solids	79.2	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	10.5	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Barium, Total	119	mg/Kg	1.23	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.73	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Chromium, Total	22.8	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Lead, Total	40.1	mg/Kg	1.23	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.807	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.617	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Zinc, Total	113	mg/Kg	1.23	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.126	mg/Kg	0.126	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:00
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

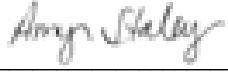
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-01 (1-2)

Lab Sample # L19-18998-02

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.66	mg/Kg	0.66	SW-9014	LW	09/19/2019	
Total Solids	74.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	5.25	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Barium, Total	297	mg/Kg	1.30	SW-6020A	BAS	10/08/2019	
Cadmium, Total	0.712	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Chromium, Total	31.3	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Lead, Total	18.2	mg/Kg	1.30	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.752	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.652	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Zinc, Total	74.7	mg/Kg	1.30	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.135	mg/Kg	0.135	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 10:10
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-02 (0-1)

Lab Sample # L19-18998-03

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	79.7	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	10.1	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Barium, Total	127	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.49	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Chromium, Total	20.5	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Lead, Total	45.2	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.681	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.621	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Zinc, Total	114	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.125	mg/Kg	0.125	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:12
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

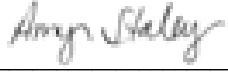
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-02 (1-2)

Lab Sample # L19-18998-04

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.70	mg/Kg	0.70	SW-9014	LW	09/19/2019	
Total Solids	71.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	5.60	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Barium, Total	344	mg/Kg	1.39	SW-6020A	BAS	10/08/2019	
Cadmium, Total	<0.697	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Chromium, Total	23.1	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Lead, Total	19.1	mg/Kg	1.39	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.813	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.697	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Zinc, Total	52.7	mg/Kg	1.39	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.141	mg/Kg	0.141	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 10:40
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

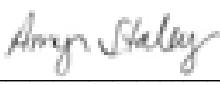
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-03 (0-1)

Lab Sample # L19-18998-05

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	82.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	13.3	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Barium, Total	104	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.13	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Chromium, Total	19.7	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Lead, Total	31.6	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.718	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.601	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Zinc, Total	83.2	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 10:44
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Sampled Matrix: Solid
Containers: 1

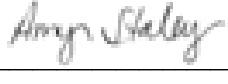
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-03 (1-2)

Lab Sample # L19-18998-06

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	79.6	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	11.8	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Barium, Total	121	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.606	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Chromium, Total	19.6	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Lead, Total	15.5	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.825	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.606	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Zinc, Total	54.9	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.126	mg/Kg	0.126	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:32
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-01 (0-1)

Lab Sample # L19-18998-07

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.59	mg/Kg	0.59	SW-9014	LW	09/19/2019	
Total Solids	82.5	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	11.9	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Barium, Total	102	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.591	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.9	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Lead, Total	36.5	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.904	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.591	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Zinc, Total	80.2	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:36
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

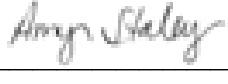
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-01 (1-2)

Lab Sample # L19-18998-08

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	81.9	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	10.2	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Barium, Total	99.8	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.2	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Lead, Total	24.9	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.732	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Zinc, Total	59.6	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:18
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

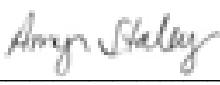
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-02 (0-1)

Lab Sample # L19-18998-09

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.81	mg/Kg	0.58	SW-9014	LW	09/19/2019	
Total Solids	81.9	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	11.2	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Barium, Total	97.2	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.607	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Chromium, Total	15.9	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Lead, Total	39.2	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.684	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.607	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Zinc, Total	82.3	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:25
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

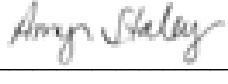
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-02 (1-2)

Lab Sample # L19-18998-10

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.67	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	81.5	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.4	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Barium, Total	87.5	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.588	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.6	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Lead, Total	31.4	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.698	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.588	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Zinc, Total	69.1	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 10:45
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-03 (0-1)

Lab Sample # L19-18998-11

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	83.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.5	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Barium, Total	84.0	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.582	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.3	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Lead, Total	25.4	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.658	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.582	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Zinc, Total	73.1	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/01/2019	

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:50
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

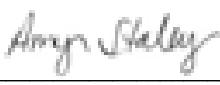
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-03 (1-2)

Lab Sample # L19-18998-12

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	81.3	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.4	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Barium, Total	85.3	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.5	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Lead, Total	44.5	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.604	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Zinc, Total	68.2	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

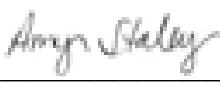
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (0-1)

Lab Sample # L19-18998-13

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	17.7	mg/Kg	0.55	SW-9014	LW	09/19/2019	
Total Solids	87.3	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	17.2	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Barium, Total	60.4	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Cadmium, Total	5.76	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Chromium, Total	53.5	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Lead, Total	26.8	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.569	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.569	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Zinc, Total	1930	mg/Kg	1.14	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:09
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (1-2)

Lab Sample # L19-18998-14

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.23	mg/Kg	0.62	SW-9014	LW	09/19/2019	
Total Solids	80.7	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	18.8	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Barium, Total	104	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.622	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Chromium, Total	32.3	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Lead, Total	18.1	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Zinc, Total	935	mg/Kg	1.21	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.124	mg/Kg	0.124	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:09
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

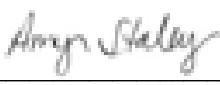
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (3-4)

Lab Sample # L19-18998-15

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.57	mg/Kg	0.57	SW-9014	LW	09/19/2019	
Total Solids	86.1	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	16.5	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Barium, Total	68.2	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.570	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Chromium, Total	19.5	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Lead, Total	12.9	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.570	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.570	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Zinc, Total	90.4	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.116	mg/Kg	0.116	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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 Reported: 10/31/2019
 Date/Time Sampled: 09/13/2019 10:10
 Sampled By: DP
 Sampled Matrix: Solid
 Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (17-18)

Lab Sample # L19-18998-16

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	2.52	mg/Kg	0.56	SW-9014	LW	09/19/2019	
Total Solids	86.6	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	16.8	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Barium, Total	119	mg/Kg	1.11	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.584	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Chromium, Total	13.7	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Lead, Total	13.0	mg/Kg	1.11	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.645	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.555	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Zinc, Total	109	mg/Kg	1.11	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:54
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

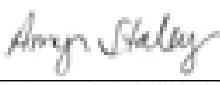
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-07 (0-1)

Lab Sample # L19-18998-17

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	2.78	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	80.5	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.8	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Barium, Total	101	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Cadmium, Total	27.4	mg/Kg	0.612	SW-6020A	BAS	10/08/2019	
Chromium, Total	49.7	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Lead, Total	42.5	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.778	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.612	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Zinc, Total	641	mg/Kg	1.22	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.124	mg/Kg	0.124	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:59
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-07 (1-2)

Lab Sample # L19-18998-18

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.20	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	82.1	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	13.7	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Barium, Total	145	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	32.7	mg/Kg	0.589	SW-6020A	BAS	10/08/2019	
Chromium, Total	27.9	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Lead, Total	16.7	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Zinc, Total	841	mg/Kg	1.18	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 10:59
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

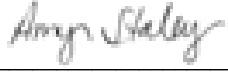
Sample ID: SB-07 (3-4)

Lab Sample # L19-18998-19

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.86	mg/Kg	0.59	SW-9014	LW	09/19/2019	
Total Solids	83.7	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	23.2	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Barium, Total	114	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Cadmium, Total	43.4	mg/Kg	0.585	SW-6020A	BAS	10/08/2019	
Chromium, Total	20.9	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Lead, Total	15.5	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.585	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.585	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Zinc, Total	326	mg/Kg	1.17	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/01/2019	

The matrix spike/matrix spike duplicate fell outside method limit. The result for this sample should be evaluated accordingly.

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ANALYTICAL REPORT

Lab Project # L19-18998

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Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 11:17
Sampled By: DP
Sampled Matrix: Solid
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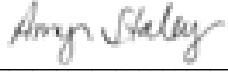
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-07 (5.5-6.5)

Lab Sample # L19-18998-20

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.72	mg/Kg	0.57	SW-9014	LW	09/19/2019	
Total Solids	86.2	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	15.2	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Barium, Total	74.3	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	3.87	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Chromium, Total	17.5	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Lead, Total	11.5	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Zinc, Total	79.4	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.116	mg/Kg	0.116	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

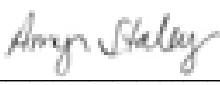
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (0-1)

Lab Sample # L19-18998-21

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.99	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	83.2	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	12.6	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Barium, Total	139	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	5.23	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Chromium, Total	141	mg/Kg	0.582	SW-6020A	BAS	10/08/2019	
Lead, Total	45.8	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.664	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.582	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Zinc, Total	945	mg/Kg	1.16	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/07/2019	

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Lab Project # L19-18998

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Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 11:50
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

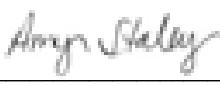
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (1-2)

Lab Sample # L19-18998-22

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/24/2019	
Total Solids	80.1	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	9.35	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Barium, Total	68.2	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.924	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Chromium, Total	23.3	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Lead, Total	16.9	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.620	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.620	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Zinc, Total	181	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.125	mg/Kg	0.125	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 11:50
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

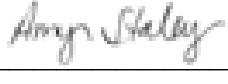
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (3-4)

Lab Sample # L19-18998-23

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.62	mg/Kg	0.62	SW-9014	LW	09/24/2019	
Total Solids	80.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	15.2	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Barium, Total	96.2	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.927	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Chromium, Total	28.4	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Lead, Total	15.4	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Zinc, Total	243	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.124	mg/Kg	0.124	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (5-6)

Lab Sample # L19-18998-24

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/24/2019	
Total Solids	81.3	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	14.8	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Barium, Total	134	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.16	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Chromium, Total	30.5	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Lead, Total	15.7	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.611	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.611	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Zinc, Total	179	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/01/2019	

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 Sampled Matrix: Solid
 Containers: 1

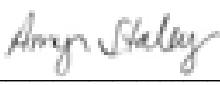
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-01 (0-1)

Lab Sample # L19-18998-25

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	84.2	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	10.5	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Barium, Total	97.3	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Cadmium, Total	2.12	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Chromium, Total	17.0	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Lead, Total	24.5	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.637	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.573	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Zinc, Total	121	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Sampled Matrix: Solid
Containers: 1

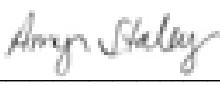
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-01 (1-2)

Lab Sample # L19-18998-26

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	84.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	9.72	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Barium, Total	105	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.579	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.4	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Lead, Total	15.8	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.579	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.579	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Zinc, Total	52.8	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 11:46
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

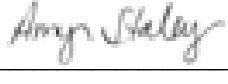
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-02 (0-1)

Lab Sample # L19-18998-27

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	85.1	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	11.0	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Barium, Total	79.5	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.17	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.8	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Lead, Total	20.4	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.587	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.585	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Zinc, Total	79.3	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 11:50
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

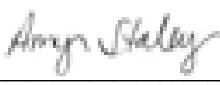
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-02 (1-2)

Lab Sample # L19-18998-28

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	LW	09/24/2019	
Total Solids	85.4	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	13.6	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Barium, Total	118	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.564	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Chromium, Total	18.9	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Lead, Total	19.3	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.791	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.564	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Zinc, Total	57.5	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.117	mg/Kg	0.117	SW-7471A	BRM	10/01/2019	

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Sampled By: DP
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Containers: 1

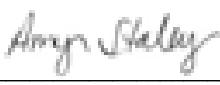
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-03 (0-1)

Lab Sample # L19-18998-29

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	84.8	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	12.6	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Barium, Total	79.3	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.585	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.7	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Lead, Total	22.8	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.566	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.566	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Zinc, Total	61.5	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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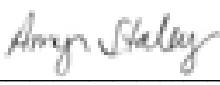
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-03 (1-2)

Lab Sample # L19-18998-30

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	84.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	13.4	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Barium, Total	80.4	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Chromium, Total	18.0	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Lead, Total	19.0	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.617	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Zinc, Total	51.6	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/07/2019	

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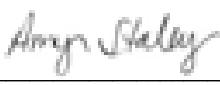
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-04 (0-1)

Lab Sample # L19-18998-31

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.93	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	84.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	11.5	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Barium, Total	67.7	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	10.1	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Chromium, Total	31.3	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Lead, Total	23.9	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Zinc, Total	232	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	0.181	mg/Kg	0.118	SW-7471A	BRM	10/07/2019	

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 Date/Time Sampled: 09/13/2019 12:37
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 Sampled Matrix: Solid
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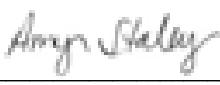
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-04 (1-2)

Lab Sample # L19-18998-32

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.78	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	85.1	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	18.0	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Barium, Total	100	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	12.6	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Chromium, Total	23.7	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Lead, Total	20.2	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Zinc, Total	163	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/07/2019	

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
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Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 12:44
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

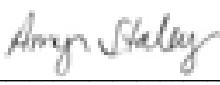
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-05 (0-1)

Lab Sample # L19-18998-33

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/24/2019	
Total Solids	83.9	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	11.9	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Barium, Total	81.7	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Cadmium, Total	4.58	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Chromium, Total	28.9	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Lead, Total	22.5	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.624	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.574	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Zinc, Total	159	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Mercury, Total	0.132	mg/Kg	0.119	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 12:47
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

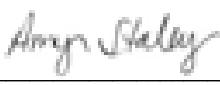
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-05 (1-2)

Lab Sample # L19-18998-34

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/24/2019	
Total Solids	82.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	16.5	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Barium, Total	106	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.08	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Chromium, Total	22.5	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Lead, Total	18.0	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Zinc, Total	90.3	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 12:53
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-06 (0-1)

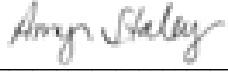
Lab Sample # L19-18998-35

REVISED- Additional analytes added 10/23/2019.

Hexavalent chromium is reported as an estimate due to lapse of holding time.

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	2.82	mg/Kg dry	0.97	SW-7196A	TNS		10/29/2019
Cyanide, Total	2.21	mg/Kg	0.60	SW-9014	LW		09/24/2019
Total Solids	82.4	%	0.01	SM-2540 G	TNS		09/18/2019
Arsenic, Total	13.4	mg/Kg	0.596	SW-6020A	BAS		10/01/2019
Barium, Total	85.2	mg/Kg	1.19	SW-6020A	BAS		10/01/2019
Cadmium, Total	20.3	mg/Kg	0.596	SW-6020A	BAS		10/08/2019
Chromium, Total	170	mg/Kg	0.596	SW-6020A	BAS		10/08/2019
Lead, Total	28.5	mg/Kg	1.19	SW-6020A	BAS		10/01/2019
Selenium, Total	0.731	mg/Kg	0.596	SW-6020A	BAS		10/01/2019
Silver, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS		10/01/2019
Zinc, Total	893	mg/Kg	1.19	SW-6020A	BAS		10/08/2019
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM		10/07/2019

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 12:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

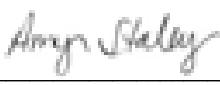
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-06 (1-2)

Lab Sample # L19-18998-36

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/24/2019	
Total Solids	81.4	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	17.4	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Barium, Total	78.8	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Cadmium, Total	3.21	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Chromium, Total	35.8	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Lead, Total	18.6	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.638	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.599	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Zinc, Total	177	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:03
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-07 (0-1)

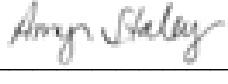
Lab Sample # L19-18998-37

REVISED- Additional analytes added 10/23/2019.

Hexavalent chromium is reported as an estimate due to lapse of holding time.

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	11.8	mg/Kg dry	0.95	SW-7196A	TNS	10/29/2019	
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/24/2019	
Total Solids	83.8	%	0.01	SM-2540 G	TNS	09/18/2019	
Cadmium, TCLP	0.32	mg/L	0.10	SW-6010B	AOP	10/29/2019	
Chromium, TCLP	0.19	mg/L	0.10	SW-6010B	AOP	10/29/2019	
Arsenic, Total	13.6	mg/Kg	0.584	SW-6020A	BAS	10/06/2019	
Barium, Total	80.3	mg/Kg	1.17	SW-6020A	BAS	10/06/2019	
Cadmium, Total	35.5	mg/Kg	0.584	SW-6020A	BAS	10/08/2019	
Chromium, Total	The matrix spike/matrix spike duplicate fell outside method limit. The result for this sample should be evaluated accordingly.						
Lead, Total	359	mg/Kg	0.584	SW-6020A	BAS	10/08/2019	
Selenium, Total	The matrix spike/matrix spike duplicate fell outside method limit. The result for this sample should be evaluated accordingly.						
Silver, Total	0.837	mg/Kg	0.584	SW-6020A	BAS	10/06/2019	
Zinc, Total	<0.584	mg/Kg	0.584	SW-6020A	BAS	10/06/2019	
Mercury, Total	2550	mg/Kg	1.17	SW-6020A	BAS	10/08/2019	
TCLP extraction	The matrix spike/matrix spike duplicate fell outside method limit. The result for this sample should be evaluated accordingly.						
	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/07/2019	
	*	Y/N		SW-1311	CTL	10/24/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:08
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-07 (1-2)

Lab Sample # L19-18998-38

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.59	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	83.2	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	14.0	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Barium, Total	72.9	mg/Kg	1.17	SW-6020A	BAS	10/06/2019	
Cadmium, Total	8.97	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Chromium, Total	56.9	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Lead, Total	16.4	mg/Kg	1.17	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.704	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.586	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Zinc, Total	870	mg/Kg	1.17	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
 Reported: 10/31/2019
 Date/Time Sampled: 09/13/2019 13:13
 Sampled By: DP
 Sampled Matrix: Solid
 Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-08 (0-1)

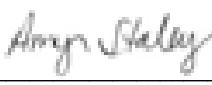
Lab Sample # L19-18998-39

REVISED- Additional analytes added 10/23/2019.

Hexavalent chromium is reported as an estimate due to lapse of holding time.

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	2.70	mg/Kg dry	0.96	SW-7196A	TNS		10/29/2019
Cyanide, Total	4.35	mg/Kg	0.58	SW-9014	LW		09/24/2019
Total Solids	83.1	%	0.01	SM-2540 G	TNS		09/18/2019
Arsenic, Total	13.1	mg/Kg	0.581	SW-6020A	BAS		10/06/2019
Barium, Total	86.7	mg/Kg	1.16	SW-6020A	BAS		10/06/2019
Cadmium, Total	46.3	mg/Kg	0.581	SW-6020A	BAS		10/08/2019
Chromium, Total	182	mg/Kg	0.581	SW-6020A	BAS		10/06/2019
Lead, Total	31.5	mg/Kg	1.16	SW-6020A	BAS		10/06/2019
Selenium, Total	0.824	mg/Kg	0.581	SW-6020A	BAS		10/06/2019
Silver, Total	<0.581	mg/Kg	0.581	SW-6020A	BAS		10/06/2019
Zinc, Total	1890	mg/Kg	1.16	SW-6020A	BAS		10/08/2019
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM		10/07/2019

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:16
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

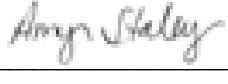
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-08 (1-2)

Lab Sample # L19-18998-40

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.22	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	82.8	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	15.6	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Barium, Total	111	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Cadmium, Total	7.49	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Chromium, Total	30.9	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Lead, Total	14.7	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Zinc, Total	159	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:20
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-09 (0-1)

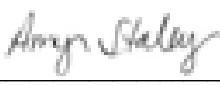
Lab Sample # L19-18998-41

REVISED- Additional analytes added 10/23/2019.

Hexavalent chromium is reported as an estimate due to lapse of holding time.

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.98	mg/Kg dry	0.98	SW-7196A	TNS		10/29/2019
Cyanide, Total	7.77	mg/Kg	0.61	SW-9014	LW		09/26/2019
The matrix spike fell outside method limit. The result for this sample should be evaluated accordingly.							
Total Solids	81.3	%	0.01	SM-2540 G	TNS		09/19/2019
Cadmium, TCLP	1.66	mg/L	0.10	SW-6010B	AOP		10/29/2019
Chromium, TCLP	0.11	mg/L	0.10	SW-6010B	AOP		10/29/2019
Arsenic, Total	12.3	mg/Kg	0.603	SW-6020A	BAS		10/06/2019
Barium, Total	85.8	mg/Kg	1.21	SW-6020A	BAS		10/06/2019
Cadmium, Total	161	mg/Kg	0.603	SW-6020A	BAS		10/10/2019
Chromium, Total	357	mg/Kg	0.603	SW-6020A	BAS		10/08/2019
Lead, Total	63.1	mg/Kg	1.21	SW-6020A	BAS		10/08/2019
Selenium, Total	0.880	mg/Kg	0.603	SW-6020A	BAS		10/06/2019
Silver, Total	<0.603	mg/Kg	0.603	SW-6020A	BAS		10/06/2019
Zinc, Total	3170	mg/Kg	1.21	SW-6020A	BAS		10/10/2019
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019
The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.							
TCLP extraction	*	Y/N		SW-1311	CTL		10/24/2019

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
 Reported: 10/31/2019
 Date/Time Sampled: 09/13/2019 13:25
 Sampled By: DP
 Sampled Matrix: Solid
 Containers: 1

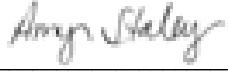
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-09 (1-2)

Lab Sample # L19-18998-42

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	5.08	mg/Kg	0.61	SW-9014	LW	09/26/2019	
Total Solids	78.8	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.4	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Barium, Total	103	mg/Kg	1.26	SW-6020A	BAS	10/06/2019	
Cadmium, Total	89.6	mg/Kg	0.628	SW-6020A	BAS	10/08/2019	
Chromium, Total	106	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Lead, Total	18.3	mg/Kg	1.26	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.745	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.628	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Zinc, Total	1680	mg/Kg	1.26	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.127	mg/Kg	0.127	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 14:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

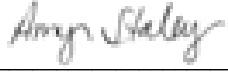
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-03 (2-3)

Lab Sample # L19-18998-43

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	82.4	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	13.4	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Barium, Total	119	mg/Kg	1.20	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.629	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Chromium, Total	23.4	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Lead, Total	13.1	mg/Kg	1.20	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.601	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.601	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Zinc, Total	82.6	mg/Kg	1.20	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/07/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 12:32
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (3-4)

Lab Sample # L19-18998-44

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	6.01	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	82.0	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.6	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Barium, Total	44.3	mg/Kg	1.19	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.886	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Chromium, Total	19.0	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Lead, Total	14.5	mg/Kg	1.19	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.597	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.597	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Zinc, Total	1110	mg/Kg	1.19	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 12:29
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

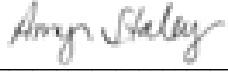
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (0-1)

Lab Sample # L19-18998-45

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/26/2019	
Total Solids	83.7	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	18.5	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Barium, Total	71.7	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.803	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Chromium, Total	18.5	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Lead, Total	14.6	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Zinc, Total	2850	mg/Kg	1.16	SW-6020A	BAS	10/10/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Attn: Gary Deutschman
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Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 12:32
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (5-6)

Lab Sample # L19-18998-46

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/26/2019	
Total Solids	86.2	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	48.6	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Barium, Total	152	mg/Kg	1.12	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.560	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Chromium, Total	15.4	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Lead, Total	18.8	mg/Kg	1.12	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.769	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.560	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Zinc, Total	82.9	mg/Kg	1.12	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.116	mg/Kg	0.116	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 12:29
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (1-2)

Lab Sample # L19-18998-47

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	LW	09/26/2019	
Total Solids	86.9	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	15.7	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Barium, Total	59.8	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.623	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Chromium, Total	16.2	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Lead, Total	12.2	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Zinc, Total	82.5	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 14:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

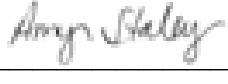
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-03 (1-2)

Lab Sample # L19-18998-48

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.63	mg/Kg	0.63	SW-9014	LW	09/26/2019	
Total Solids	79.1	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.5	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Barium, Total	85.8	mg/Kg	1.25	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.625	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Chromium, Total	18.5	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Lead, Total	31.1	mg/Kg	1.25	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.625	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.625	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Zinc, Total	148	mg/Kg	1.25	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.126	mg/Kg	0.126	SW-7471A	BRM	10/07/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 14:13
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-03 (4-5)

Lab Sample # L19-18998-49

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	LW	09/26/2019	
Total Solids	83.4	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	16.8	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Barium, Total	63.4	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Chromium, Total	19.3	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Lead, Total	14.3	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Zinc, Total	129	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/07/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 14:13
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

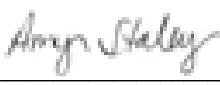
Sample ID: SB-03 (6-7)

Lab Sample # L19-18998-50

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW		09/26/2019
Total Solids	87.0	%	0.01	SM-2540 G	TNS		09/19/2019
Arsenic, Total	17.3	mg/Kg	0.568	SW-6020A	BAS		10/06/2019
Barium, Total	66.0	mg/Kg	1.14	SW-6020A	BAS		10/06/2019
Cadmium, Total	0.577	mg/Kg	0.568	SW-6020A	BAS		10/06/2019
Chromium, Total	13.9	mg/Kg	0.568	SW-6020A	BAS		10/06/2019
Lead, Total	18.5	mg/Kg	1.14	SW-6020A	BAS		10/06/2019
Selenium, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS		10/06/2019
Silver, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS		10/06/2019
Zinc, Total	112	mg/Kg	1.14	SW-6020A	BAS		10/06/2019
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

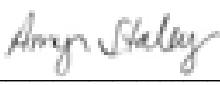
Sample ID: SB-05 (1-2)

Lab Sample # L19-18998-51

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.90	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	81.0	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	15.2	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Barium, Total	67.1	mg/Kg	1.18	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.592	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Chromium, Total	24.2	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Lead, Total	13.6	mg/Kg	1.18	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.592	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.592	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Zinc, Total	87.9	mg/Kg	1.18	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Date/Time Sampled: 09/13/2019 13:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-05 (2-3)

Lab Sample # L19-18998-52

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.93	mg/Kg	0.62	SW-9014	LW	09/26/2019	
Total Solids	80.0	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	18.6	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Barium, Total	84.0	mg/Kg	1.23	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.615	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Chromium, Total	20.4	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Lead, Total	18.7	mg/Kg	1.23	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.615	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.615	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Zinc, Total	87.9	mg/Kg	1.23	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.125	mg/Kg	0.125	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:14
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

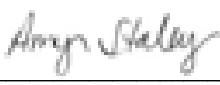
Sample ID: SB-05 (4-5)

Lab Sample # L19-18998-53

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	3.00	mg/Kg	0.58	SW-9014	LW	09/26/2019	
Total Solids	83.1	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	15.6	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Barium, Total	84.8	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.864	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Chromium, Total	32.9	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Lead, Total	14.4	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Zinc, Total	156	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:14
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

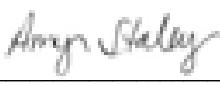
Sample ID: SB-05 (6-7)

Lab Sample # L19-18998-54

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	LW	09/26/2019	
Total Solids	87.3	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.8	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Barium, Total	66.4	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.613	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Chromium, Total	17.6	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Lead, Total	11.7	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Zinc, Total	68.6	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:51
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

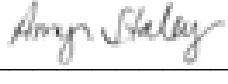
Sample ID: SB-04 (1-2)

Lab Sample # L19-18998-55

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	82.8	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.8	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Barium, Total	53.4	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Cadmium, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Chromium, Total	15.6	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Lead, Total	13.8	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Zinc, Total	93.3	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

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Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:51
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

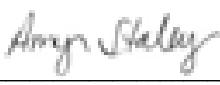
Sample ID: SB-04 (2-3)

Lab Sample # L19-18998-56

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/26/2019	
Total Solids	81.4	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	16.1	mg/Kg	0.604	SW-6020A	BAS	09/23/2019	
Barium, Total	95.6	mg/Kg	1.21	SW-6020A	BAS	09/23/2019	
Cadmium, Total	<0.604	mg/Kg	0.604	SW-6020A	BAS	09/23/2019	
Chromium, Total	22.5	mg/Kg	0.604	SW-6020A	BAS	09/23/2019	
Lead, Total	18.2	mg/Kg	1.21	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.604	mg/Kg	0.604	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.604	mg/Kg	0.604	SW-6020A	BAS	09/23/2019	
Zinc, Total	85.4	mg/Kg	1.21	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-04 (4-5)

Lab Sample # L19-18998-57

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/26/2019	
Total Solids	81.4	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	24.4	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Barium, Total	143	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Cadmium, Total	0.767	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Chromium, Total	19.7	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Lead, Total	15.9	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.600	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.600	mg/Kg	0.600	SW-6020A	BAS	09/23/2019	
Zinc, Total	175	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/31/2019
Date/Time Sampled: 09/13/2019 13:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

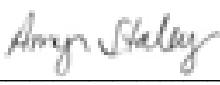
Sample ID: SB-04 (6-7)

Lab Sample # L19-18998-58

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	LW		09/26/2019
Total Solids	86.9	%	0.01	SM-2540 G	TNS		09/19/2019
Arsenic, Total	14.0	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Barium, Total	74.9	mg/Kg	1.13	SW-6020A	BAS		09/23/2019
Cadmium, Total	<0.567	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Chromium, Total	16.3	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Lead, Total	12.2	mg/Kg	1.13	SW-6020A	BAS		09/23/2019
Selenium, Total	0.616	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Silver, Total	<0.567	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Zinc, Total	72.7	mg/Kg	1.13	SW-6020A	BAS		09/23/2019
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 09:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

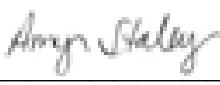
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-01 (0-1)

Lab Sample # L19-18998-01

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.62	mg/Kg	0.62	SW-9014	LW	09/19/2019	
Total Solids	79.2	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	10.5	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Barium, Total	119	mg/Kg	1.23	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.73	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Chromium, Total	22.8	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Lead, Total	40.1	mg/Kg	1.23	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.807	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.617	mg/Kg	0.617	SW-6020A	BAS	10/01/2019	
Zinc, Total	113	mg/Kg	1.23	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.126	mg/Kg	0.126	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 10:00
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

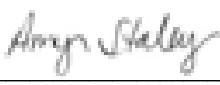
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-01 (1-2)

Lab Sample # L19-18998-02

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.66	mg/Kg	0.66	SW-9014	LW	09/19/2019	
Total Solids	74.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	5.25	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Barium, Total	297	mg/Kg	1.30	SW-6020A	BAS	10/08/2019	
Cadmium, Total	0.712	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Chromium, Total	31.3	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Lead, Total	18.2	mg/Kg	1.30	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.752	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.652	mg/Kg	0.652	SW-6020A	BAS	10/01/2019	
Zinc, Total	74.7	mg/Kg	1.30	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.135	mg/Kg	0.135	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 10:10
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

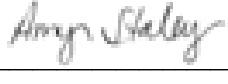
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-02 (0-1)

Lab Sample # L19-18998-03

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	79.7	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	10.1	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Barium, Total	127	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.49	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Chromium, Total	20.5	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Lead, Total	45.2	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.681	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.621	mg/Kg	0.621	SW-6020A	BAS	10/01/2019	
Zinc, Total	114	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.125	mg/Kg	0.125	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 10:12
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

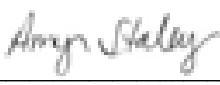
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-02 (1-2)

Lab Sample # L19-18998-04

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.70	mg/Kg	0.70	SW-9014	LW	09/19/2019	
Total Solids	71.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	5.60	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Barium, Total	344	mg/Kg	1.39	SW-6020A	BAS	10/08/2019	
Cadmium, Total	<0.697	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Chromium, Total	23.1	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Lead, Total	19.1	mg/Kg	1.39	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.813	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.697	mg/Kg	0.697	SW-6020A	BAS	10/01/2019	
Zinc, Total	52.7	mg/Kg	1.39	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.141	mg/Kg	0.141	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 10:40
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

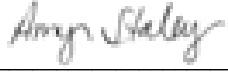
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-03 (0-1)

Lab Sample # L19-18998-05

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	82.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	13.3	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Barium, Total	104	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.13	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Chromium, Total	19.7	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Lead, Total	31.6	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.718	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.601	mg/Kg	0.601	SW-6020A	BAS	10/01/2019	
Zinc, Total	83.2	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 10:44
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

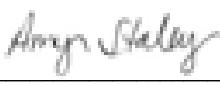
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFN-03 (1-2)

Lab Sample # L19-18998-06

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	79.6	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	11.8	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Barium, Total	121	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.606	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Chromium, Total	19.6	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Lead, Total	15.5	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.825	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.606	mg/Kg	0.606	SW-6020A	BAS	10/01/2019	
Zinc, Total	54.9	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.126	mg/Kg	0.126	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 10:32
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

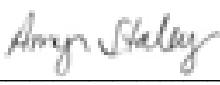
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-01 (0-1)

Lab Sample # L19-18998-07

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.59	mg/Kg	0.59	SW-9014	LW	09/19/2019	
Total Solids	82.5	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	11.9	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Barium, Total	102	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.591	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.9	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Lead, Total	36.5	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.904	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.591	mg/Kg	0.591	SW-6020A	BAS	10/01/2019	
Zinc, Total	80.2	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 10:36
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

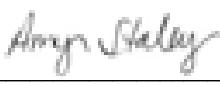
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-01 (1-2)

Lab Sample # L19-18998-08

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	81.9	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	10.2	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Barium, Total	99.8	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.2	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Lead, Total	24.9	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.732	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Zinc, Total	59.6	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 10:18
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-02 (0-1)

Lab Sample # L19-18998-09

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.81	mg/Kg	0.58	SW-9014	LW	09/19/2019	
Total Solids	81.9	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	11.2	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Barium, Total	97.2	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.607	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Chromium, Total	15.9	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Lead, Total	39.2	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.684	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.607	mg/Kg	0.607	SW-6020A	BAS	10/01/2019	
Zinc, Total	82.3	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 10:25
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-02 (1-2)

Lab Sample # L19-18998-10

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.67	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	81.5	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.4	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Barium, Total	87.5	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.588	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.6	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Lead, Total	31.4	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.698	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.588	mg/Kg	0.588	SW-6020A	BAS	10/01/2019	
Zinc, Total	69.1	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 10:45
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Sampled Matrix: Solid
Containers: 1

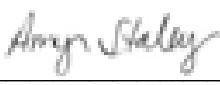
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-03 (0-1)

Lab Sample # L19-18998-11

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	83.0	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.5	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Barium, Total	84.0	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.582	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.3	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Lead, Total	25.4	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.658	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.582	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Zinc, Total	73.1	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/01/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 10:50
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

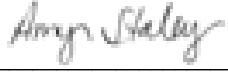
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFS-03 (1-2)

Lab Sample # L19-18998-12

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/19/2019	
Total Solids	81.3	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.4	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Barium, Total	85.3	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.5	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Lead, Total	44.5	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.604	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Zinc, Total	68.2	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 10:09
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

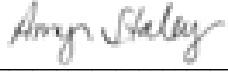
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (0-1)

Lab Sample # L19-18998-13

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	17.7	mg/Kg	0.55	SW-9014	LW	09/19/2019	
Total Solids	87.3	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	17.2	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Barium, Total	60.4	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Cadmium, Total	5.76	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Chromium, Total	53.5	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Lead, Total	26.8	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.569	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.569	mg/Kg	0.569	SW-6020A	BAS	10/01/2019	
Zinc, Total	1930	mg/Kg	1.14	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

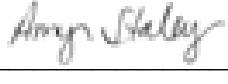
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (1-2)

Lab Sample # L19-18998-14

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.23	mg/Kg	0.62	SW-9014	LW	09/19/2019	
Total Solids	80.7	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	18.8	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Barium, Total	104	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.622	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Chromium, Total	32.3	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Lead, Total	18.1	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Zinc, Total	935	mg/Kg	1.21	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.124	mg/Kg	0.124	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

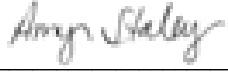
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (3-4)

Lab Sample # L19-18998-15

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.57	mg/Kg	0.57	SW-9014	LW	09/19/2019	
Total Solids	86.1	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	16.5	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Barium, Total	68.2	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.570	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Chromium, Total	19.5	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Lead, Total	12.9	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.570	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.570	mg/Kg	0.570	SW-6020A	BAS	10/01/2019	
Zinc, Total	90.4	mg/Kg	1.14	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.116	mg/Kg	0.116	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-02 (17-18)

Lab Sample # L19-18998-16

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	2.52	mg/Kg	0.56	SW-9014	LW	09/19/2019	
Total Solids	86.6	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	16.8	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Barium, Total	119	mg/Kg	1.11	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.584	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Chromium, Total	13.7	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Lead, Total	13.0	mg/Kg	1.11	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.645	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.555	mg/Kg	0.555	SW-6020A	BAS	10/01/2019	
Zinc, Total	109	mg/Kg	1.11	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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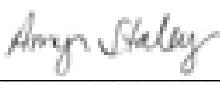
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-07 (0-1)

Lab Sample # L19-18998-17

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	2.78	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	80.5	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	12.8	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Barium, Total	101	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Cadmium, Total	27.4	mg/Kg	0.612	SW-6020A	BAS	10/08/2019	
Chromium, Total	49.7	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Lead, Total	42.5	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.778	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.612	mg/Kg	0.612	SW-6020A	BAS	10/01/2019	
Zinc, Total	641	mg/Kg	1.22	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.124	mg/Kg	0.124	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

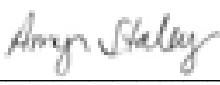
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-07 (1-2)

Lab Sample # L19-18998-18

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.20	mg/Kg	0.60	SW-9014	LW	09/19/2019	
Total Solids	82.1	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	13.7	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Barium, Total	145	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	32.7	mg/Kg	0.589	SW-6020A	BAS	10/08/2019	
Chromium, Total	27.9	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Lead, Total	16.7	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.589	mg/Kg	0.589	SW-6020A	BAS	10/01/2019	
Zinc, Total	841	mg/Kg	1.18	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-07 (3-4)

Lab Sample # L19-18998-19

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.86	mg/Kg	0.59	SW-9014	LW	09/19/2019	
Total Solids	83.7	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	23.2	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Barium, Total	114	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Cadmium, Total	43.4	mg/Kg	0.585	SW-6020A	BAS	10/08/2019	
Chromium, Total	20.9	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Lead, Total	15.5	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.585	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.585	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Zinc, Total	326	mg/Kg	1.17	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/01/2019	

The matrix spike/matrix spike duplicate fell outside method limit. The result for this sample should be evaluated accordingly.

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Date/Time Sampled: 09/13/2019 11:17
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

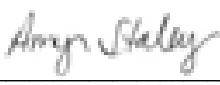
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-07 (5.5-6.5)

Lab Sample # L19-18998-20

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.72	mg/Kg	0.57	SW-9014	LW	09/19/2019	
Total Solids	86.2	%	0.01	SM-2540 G	TNS	09/17/2019	
Arsenic, Total	15.2	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Barium, Total	74.3	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	3.87	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Chromium, Total	17.5	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Lead, Total	11.5	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/01/2019	
Zinc, Total	79.4	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.116	mg/Kg	0.116	SW-7471A	BRM	10/01/2019	

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

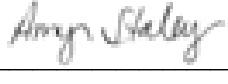
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (0-1)

Lab Sample # L19-18998-21

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.99	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	83.2	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	12.6	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Barium, Total	139	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	5.23	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Chromium, Total	141	mg/Kg	0.582	SW-6020A	BAS	10/08/2019	
Lead, Total	45.8	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.664	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.582	mg/Kg	0.582	SW-6020A	BAS	10/01/2019	
Zinc, Total	945	mg/Kg	1.16	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/07/2019	

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Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (1-2)

Lab Sample # L19-18998-22

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/24/2019	
Total Solids	80.1	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	9.35	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Barium, Total	68.2	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.924	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Chromium, Total	23.3	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Lead, Total	16.9	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.620	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.620	mg/Kg	0.620	SW-6020A	BAS	10/01/2019	
Zinc, Total	181	mg/Kg	1.24	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.125	mg/Kg	0.125	SW-7471A	BRM	10/01/2019	

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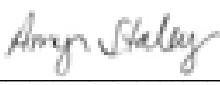
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (3-4)

Lab Sample # L19-18998-23

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.62	mg/Kg	0.62	SW-9014	LW	09/24/2019	
Total Solids	80.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	15.2	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Barium, Total	96.2	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.927	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Chromium, Total	28.4	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Lead, Total	15.4	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.605	mg/Kg	0.605	SW-6020A	BAS	10/01/2019	
Zinc, Total	243	mg/Kg	1.21	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.124	mg/Kg	0.124	SW-7471A	BRM	10/01/2019	

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Containers: 1

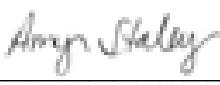
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-06 (5-6)

Lab Sample # L19-18998-24

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/24/2019	
Total Solids	81.3	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	14.8	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Barium, Total	134	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.16	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Chromium, Total	30.5	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Lead, Total	15.7	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.611	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.611	mg/Kg	0.611	SW-6020A	BAS	10/01/2019	
Zinc, Total	179	mg/Kg	1.22	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/01/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 11:40
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

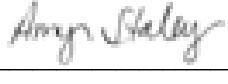
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-01 (0-1)

Lab Sample # L19-18998-25

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	84.2	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	10.5	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Barium, Total	97.3	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Cadmium, Total	2.12	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Chromium, Total	17.0	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Lead, Total	24.5	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.637	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.573	mg/Kg	0.573	SW-6020A	BAS	10/01/2019	
Zinc, Total	121	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/01/2019	

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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 11:42
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

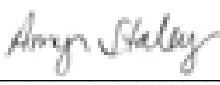
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-01 (1-2)

Lab Sample # L19-18998-26

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	84.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	9.72	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Barium, Total	105	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.579	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.4	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Lead, Total	15.8	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.579	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.579	mg/Kg	0.579	SW-6020A	BAS	10/01/2019	
Zinc, Total	52.8	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-02 (0-1)

Lab Sample # L19-18998-27

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	85.1	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	11.0	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Barium, Total	79.5	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.17	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.8	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Lead, Total	20.4	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.587	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.585	mg/Kg	0.585	SW-6020A	BAS	10/01/2019	
Zinc, Total	79.3	mg/Kg	1.17	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

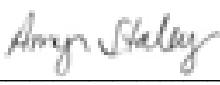
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-02 (1-2)

Lab Sample # L19-18998-28

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	LW	09/24/2019	
Total Solids	85.4	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	13.6	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Barium, Total	118	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.564	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Chromium, Total	18.9	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Lead, Total	19.3	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.791	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.564	mg/Kg	0.564	SW-6020A	BAS	10/01/2019	
Zinc, Total	57.5	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.117	mg/Kg	0.117	SW-7471A	BRM	10/01/2019	

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Date/Time Sampled: 09/13/2019 11:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-03 (0-1)

Lab Sample # L19-18998-29

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	84.8	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	12.6	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Barium, Total	79.3	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Cadmium, Total	0.585	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Chromium, Total	16.7	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Lead, Total	22.8	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.566	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.566	mg/Kg	0.566	SW-6020A	BAS	10/01/2019	
Zinc, Total	61.5	mg/Kg	1.13	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/01/2019	

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Received: 09/13/2019
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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

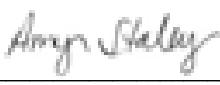
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-03 (1-2)

Lab Sample # L19-18998-30

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	84.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	13.4	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Barium, Total	80.4	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Chromium, Total	18.0	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Lead, Total	19.0	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.617	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Zinc, Total	51.6	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/07/2019	

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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 12:33
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

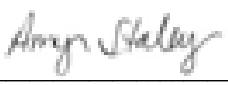
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-04 (0-1)

Lab Sample # L19-18998-31

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.93	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	84.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	11.5	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Barium, Total	67.7	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Cadmium, Total	10.1	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Chromium, Total	31.3	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Lead, Total	23.9	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.590	mg/Kg	0.590	SW-6020A	BAS	10/01/2019	
Zinc, Total	232	mg/Kg	1.18	SW-6020A	BAS	10/01/2019	
Mercury, Total	0.181	mg/Kg	0.118	SW-7471A	BRM	10/07/2019	

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 12:37
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-04 (1-2)

Lab Sample # L19-18998-32

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.78	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	85.1	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	18.0	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Barium, Total	100	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Cadmium, Total	12.6	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Chromium, Total	23.7	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Lead, Total	20.2	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/01/2019	
Zinc, Total	163	mg/Kg	1.16	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.118	mg/Kg	0.118	SW-7471A	BRM	10/07/2019	

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Date/Time Sampled: 09/13/2019 12:44
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Sampled Matrix: Solid
Containers: 1

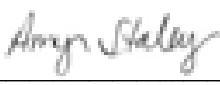
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-05 (0-1)

Lab Sample # L19-18998-33

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/24/2019	
Total Solids	83.9	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	11.9	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Barium, Total	81.7	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Cadmium, Total	4.58	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Chromium, Total	28.9	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Lead, Total	22.5	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.624	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.574	mg/Kg	0.574	SW-6020A	BAS	10/01/2019	
Zinc, Total	159	mg/Kg	1.15	SW-6020A	BAS	10/01/2019	
Mercury, Total	0.132	mg/Kg	0.119	SW-7471A	BRM	10/07/2019	

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Date/Time Sampled: 09/13/2019 12:47
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

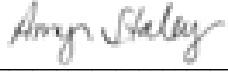
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-05 (1-2)

Lab Sample # L19-18998-34

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/24/2019	
Total Solids	82.6	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	16.5	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Barium, Total	106	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Cadmium, Total	1.08	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Chromium, Total	22.5	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Lead, Total	18.0	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Selenium, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	10/01/2019	
Zinc, Total	90.3	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/07/2019	

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

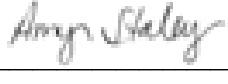
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-06 (0-1)

Lab Sample # L19-18998-35

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	2.21	mg/Kg	0.60	SW-9014	LW	09/24/2019	
Total Solids	82.4	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	13.4	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Barium, Total	85.2	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Cadmium, Total	20.3	mg/Kg	0.596	SW-6020A	BAS	10/08/2019	
Chromium, Total	170	mg/Kg	0.596	SW-6020A	BAS	10/08/2019	
Lead, Total	28.5	mg/Kg	1.19	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.731	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.596	mg/Kg	0.596	SW-6020A	BAS	10/01/2019	
Zinc, Total	893	mg/Kg	1.19	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/07/2019	

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-06 (1-2)

Lab Sample # L19-18998-36

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW	09/24/2019	
Total Solids	81.4	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	17.4	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Barium, Total	78.8	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Cadmium, Total	3.21	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Chromium, Total	35.8	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Lead, Total	18.6	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Selenium, Total	0.638	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Silver, Total	<0.599	mg/Kg	0.599	SW-6020A	BAS	10/01/2019	
Zinc, Total	177	mg/Kg	1.20	SW-6020A	BAS	10/01/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM	10/07/2019	

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Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:03
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-07 (0-1)

Lab Sample # L19-18998-37

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/24/2019	
Total Solids	83.8	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	13.6	mg/Kg	0.584	SW-6020A	BAS	10/06/2019	
Barium, Total	80.3	mg/Kg	1.17	SW-6020A	BAS	10/06/2019	
Cadmium, Total	35.5	mg/Kg	0.584	SW-6020A	BAS	10/08/2019	
Chromium, Total	359	mg/Kg	0.584	SW-6020A	BAS	10/08/2019	
Lead, Total	37.2	mg/Kg	1.17	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.837	mg/Kg	0.584	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.584	mg/Kg	0.584	SW-6020A	BAS	10/06/2019	
Zinc, Total	2550	mg/Kg	1.17	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/07/2019	

The matrix spike/matrix spike duplicate fell outside method limit. The result for this sample should be evaluated accordingly.

The matrix spike/matrix spike duplicate fell outside method limit. The result for this sample should be evaluated accordingly.

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:08
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

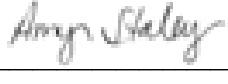
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-07 (1-2)

Lab Sample # L19-18998-38

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.59	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	83.2	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	14.0	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Barium, Total	72.9	mg/Kg	1.17	SW-6020A	BAS	10/06/2019	
Cadmium, Total	8.97	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Chromium, Total	56.9	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Lead, Total	16.4	mg/Kg	1.17	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.704	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.586	mg/Kg	0.586	SW-6020A	BAS	10/06/2019	
Zinc, Total	870	mg/Kg	1.17	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/07/2019	

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Lab Project # L19-18998

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Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:13
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

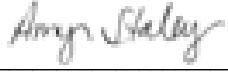
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-08 (0-1)

Lab Sample # L19-18998-39

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	4.35	mg/Kg	0.58	SW-9014	LW	09/24/2019	
Total Solids	83.1	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	13.1	mg/Kg	0.581	SW-6020A	BAS	10/06/2019	
Barium, Total	86.7	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Cadmium, Total	46.3	mg/Kg	0.581	SW-6020A	BAS	10/08/2019	
Chromium, Total	182	mg/Kg	0.581	SW-6020A	BAS	10/06/2019	
Lead, Total	31.5	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.824	mg/Kg	0.581	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.581	mg/Kg	0.581	SW-6020A	BAS	10/06/2019	
Zinc, Total	1890	mg/Kg	1.16	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 13:16
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

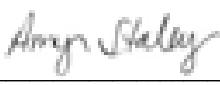
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-08 (1-2)

Lab Sample # L19-18998-40

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	1.22	mg/Kg	0.59	SW-9014	LW	09/24/2019	
Total Solids	82.8	%	0.01	SM-2540 G	TNS	09/18/2019	
Arsenic, Total	15.6	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Barium, Total	111	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Cadmium, Total	7.49	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Chromium, Total	30.9	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Lead, Total	14.7	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.578	mg/Kg	0.578	SW-6020A	BAS	10/06/2019	
Zinc, Total	159	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/07/2019	

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Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:20
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

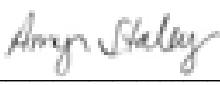
Sample ID: CFA-09 (0-1)

Lab Sample # L19-18998-41

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	7.77	mg/Kg	0.61	SW-9014	LW		09/26/2019
The matrix spike fell outside method limit. The result for this sample should be evaluated accordingly.							
Total Solids	81.3	%	0.01	SM-2540 G	TNS		09/19/2019
Arsenic, Total	12.3	mg/Kg	0.603	SW-6020A	BAS		10/06/2019
Barium, Total	85.8	mg/Kg	1.21	SW-6020A	BAS		10/06/2019
Cadmium, Total	161	mg/Kg	0.603	SW-6020A	BAS		10/10/2019
Chromium, Total	357	mg/Kg	0.603	SW-6020A	BAS		10/08/2019
Lead, Total	63.1	mg/Kg	1.21	SW-6020A	BAS		10/08/2019
Selenium, Total	0.880	mg/Kg	0.603	SW-6020A	BAS		10/06/2019
Silver, Total	<0.603	mg/Kg	0.603	SW-6020A	BAS		10/06/2019
Zinc, Total	3170	mg/Kg	1.21	SW-6020A	BAS		10/10/2019
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 13:25
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

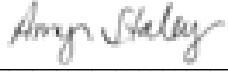
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: CFA-09 (1-2)

Lab Sample # L19-18998-42

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	5.08	mg/Kg	0.61	SW-9014	LW	09/26/2019	
Total Solids	78.8	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.4	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Barium, Total	103	mg/Kg	1.26	SW-6020A	BAS	10/06/2019	
Cadmium, Total	89.6	mg/Kg	0.628	SW-6020A	BAS	10/08/2019	
Chromium, Total	106	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Lead, Total	18.3	mg/Kg	1.26	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.745	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.628	mg/Kg	0.628	SW-6020A	BAS	10/06/2019	
Zinc, Total	1680	mg/Kg	1.26	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.127	mg/Kg	0.127	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 14:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

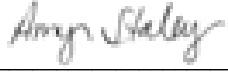
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-03 (2-3)

Lab Sample # L19-18998-43

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	82.4	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	13.4	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Barium, Total	119	mg/Kg	1.20	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.629	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Chromium, Total	23.4	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Lead, Total	13.1	mg/Kg	1.20	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.601	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.601	mg/Kg	0.601	SW-6020A	BAS	10/06/2019	
Zinc, Total	82.6	mg/Kg	1.20	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 12:32
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

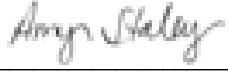
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (3-4)

Lab Sample # L19-18998-44

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	6.01	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	82.0	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.6	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Barium, Total	44.3	mg/Kg	1.19	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.886	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Chromium, Total	19.0	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Lead, Total	14.5	mg/Kg	1.19	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.597	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.597	mg/Kg	0.597	SW-6020A	BAS	10/06/2019	
Zinc, Total	1110	mg/Kg	1.19	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.122	mg/Kg	0.122	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 12:29
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (0-1)

Lab Sample # L19-18998-45

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	LW	09/26/2019	
Total Solids	83.7	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	18.5	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Barium, Total	71.7	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.803	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Chromium, Total	18.5	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Lead, Total	14.6	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Zinc, Total	2850	mg/Kg	1.16	SW-6020A	BAS	10/10/2019	
Mercury, Total	<0.119	mg/Kg	0.119	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 12:32
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

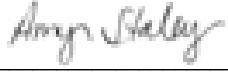
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (5-6)

Lab Sample # L19-18998-46

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/26/2019	
Total Solids	86.2	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	48.6	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Barium, Total	152	mg/Kg	1.12	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.560	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Chromium, Total	15.4	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Lead, Total	18.8	mg/Kg	1.12	SW-6020A	BAS	10/06/2019	
Selenium, Total	0.769	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.560	mg/Kg	0.560	SW-6020A	BAS	10/06/2019	
Zinc, Total	82.9	mg/Kg	1.12	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.116	mg/Kg	0.116	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Sampled By: DP
Sampled Matrix: Solid
Containers: 1

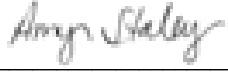
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-01 (1-2)

Lab Sample # L19-18998-47

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	LW	09/26/2019	
Total Solids	86.9	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	15.7	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Barium, Total	59.8	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.623	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Chromium, Total	16.2	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Lead, Total	12.2	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Zinc, Total	82.5	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 14:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

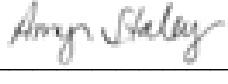
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-03 (1-2)

Lab Sample # L19-18998-48

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.63	mg/Kg	0.63	SW-9014	LW	09/26/2019	
Total Solids	79.1	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.5	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Barium, Total	85.8	mg/Kg	1.25	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.625	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Chromium, Total	18.5	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Lead, Total	31.1	mg/Kg	1.25	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.625	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.625	mg/Kg	0.625	SW-6020A	BAS	10/06/2019	
Zinc, Total	148	mg/Kg	1.25	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.126	mg/Kg	0.126	SW-7471A	BRM	10/07/2019	

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ANALYTICAL REPORT

Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 14:13
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

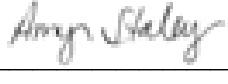
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-03 (4-5)

Lab Sample # L19-18998-49

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	LW	09/26/2019	
Total Solids	83.4	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	16.8	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Barium, Total	63.4	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Chromium, Total	19.3	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Lead, Total	14.3	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.575	mg/Kg	0.575	SW-6020A	BAS	10/06/2019	
Zinc, Total	129	mg/Kg	1.15	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM	10/07/2019	

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 14:13
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

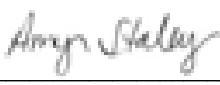
Sample ID: SB-03 (6-7)

Lab Sample # L19-18998-50

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	LW	09/26/2019	
Total Solids	87.0	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	17.3	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Barium, Total	66.0	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.577	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Chromium, Total	13.9	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Lead, Total	18.5	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Zinc, Total	112	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-05 (1-2)

Lab Sample # L19-18998-51

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.90	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	81.0	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	15.2	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Barium, Total	67.1	mg/Kg	1.18	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.592	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Chromium, Total	24.2	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Lead, Total	13.6	mg/Kg	1.18	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.592	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.592	mg/Kg	0.592	SW-6020A	BAS	10/06/2019	
Zinc, Total	87.9	mg/Kg	1.18	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:04
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

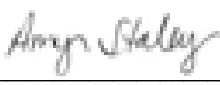
Sample ID: SB-05 (2-3)

Lab Sample # L19-18998-52

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.93	mg/Kg	0.62	SW-9014	LW	09/26/2019	
Total Solids	80.0	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	18.6	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Barium, Total	84.0	mg/Kg	1.23	SW-6020A	BAS	10/06/2019	
Cadmium, Total	<0.615	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Chromium, Total	20.4	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Lead, Total	18.7	mg/Kg	1.23	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.615	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.615	mg/Kg	0.615	SW-6020A	BAS	10/06/2019	
Zinc, Total	87.9	mg/Kg	1.23	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.125	mg/Kg	0.125	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

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ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:14
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

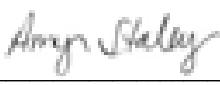
Sample ID: SB-05 (4-5)

Lab Sample # L19-18998-53

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	3.00	mg/Kg	0.58	SW-9014	LW	09/26/2019	
Total Solids	83.1	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	15.6	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Barium, Total	84.8	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.864	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Chromium, Total	32.9	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Lead, Total	14.4	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.580	mg/Kg	0.580	SW-6020A	BAS	10/06/2019	
Zinc, Total	156	mg/Kg	1.16	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.120	mg/Kg	0.120	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

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Date/Time Sampled: 09/13/2019 13:14
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

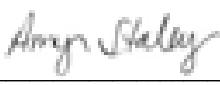
Sample ID: SB-05 (6-7)

Lab Sample # L19-18998-54

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	LW	09/26/2019	
Total Solids	87.3	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.8	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Barium, Total	66.4	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Cadmium, Total	0.613	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Chromium, Total	17.6	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Lead, Total	11.7	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Selenium, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Silver, Total	<0.568	mg/Kg	0.568	SW-6020A	BAS	10/06/2019	
Zinc, Total	68.6	mg/Kg	1.14	SW-6020A	BAS	10/06/2019	
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
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Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:51
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

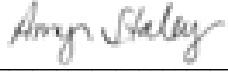
Sample ID: SB-04 (1-2)

Lab Sample # L19-18998-55

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	LW	09/26/2019	
Total Solids	82.8	%	0.01	SM-2540 G	TNS	09/19/2019	
Arsenic, Total	12.8	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Barium, Total	53.4	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Cadmium, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Chromium, Total	15.6	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Lead, Total	13.8	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Selenium, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Silver, Total	<0.598	mg/Kg	0.598	SW-6020A	BAS	09/23/2019	
Zinc, Total	93.3	mg/Kg	1.20	SW-6020A	BAS	09/23/2019	
Mercury, Total	<0.121	mg/Kg	0.121	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:51
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

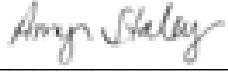
Sample ID: SB-04 (2-3)

Lab Sample # L19-18998-56

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW		09/26/2019
Total Solids	81.4	%	0.01	SM-2540 G	TNS		09/19/2019
Arsenic, Total	16.1	mg/Kg	0.604	SW-6020A	BAS		09/23/2019
Barium, Total	95.6	mg/Kg	1.21	SW-6020A	BAS		09/23/2019
Cadmium, Total	<0.604	mg/Kg	0.604	SW-6020A	BAS		09/23/2019
Chromium, Total	22.5	mg/Kg	0.604	SW-6020A	BAS		09/23/2019
Lead, Total	18.2	mg/Kg	1.21	SW-6020A	BAS		09/23/2019
Selenium, Total	<0.604	mg/Kg	0.604	SW-6020A	BAS		09/23/2019
Silver, Total	<0.604	mg/Kg	0.604	SW-6020A	BAS		09/23/2019
Zinc, Total	85.4	mg/Kg	1.21	SW-6020A	BAS		09/23/2019
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
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Date/Time Sampled: 09/13/2019 13:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: SB-04 (4-5)

Lab Sample # L19-18998-57

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	LW		09/26/2019
Total Solids	81.4	%	0.01	SM-2540 G	TNS		09/19/2019
Arsenic, Total	24.4	mg/Kg	0.600	SW-6020A	BAS		09/23/2019
Barium, Total	143	mg/Kg	1.20	SW-6020A	BAS		09/23/2019
Cadmium, Total	0.767	mg/Kg	0.600	SW-6020A	BAS		09/23/2019
Chromium, Total	19.7	mg/Kg	0.600	SW-6020A	BAS		09/23/2019
Lead, Total	15.9	mg/Kg	1.20	SW-6020A	BAS		09/23/2019
Selenium, Total	<0.600	mg/Kg	0.600	SW-6020A	BAS		09/23/2019
Silver, Total	<0.600	mg/Kg	0.600	SW-6020A	BAS		09/23/2019
Zinc, Total	175	mg/Kg	1.20	SW-6020A	BAS		09/23/2019
Mercury, Total	<0.123	mg/Kg	0.123	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18998

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/11/2019
Date/Time Sampled: 09/13/2019 13:55
Sampled By: DP
Sampled Matrix: Solid
Containers: 1

Project Name: Southside Plating-Galion RCGFI 317003417002

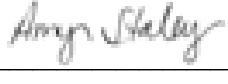
Sample ID: SB-04 (6-7)

Lab Sample # L19-18998-58

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	LW		09/26/2019
Total Solids	86.9	%	0.01	SM-2540 G	TNS		09/19/2019
Arsenic, Total	14.0	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Barium, Total	74.9	mg/Kg	1.13	SW-6020A	BAS		09/23/2019
Cadmium, Total	<0.567	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Chromium, Total	16.3	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Lead, Total	12.2	mg/Kg	1.13	SW-6020A	BAS		09/23/2019
Selenium, Total	0.616	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Silver, Total	<0.567	mg/Kg	0.567	SW-6020A	BAS		09/23/2019
Zinc, Total	72.7	mg/Kg	1.13	SW-6020A	BAS		09/23/2019
Mercury, Total	<0.115	mg/Kg	0.115	SW-7471A	BRM		10/07/2019

The LCS was above the upper limit indicating a high bias. This non-detect result is not affected by the high bias of the LCS.

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18999

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/25/2019
Date/Time Sampled: 09/13/2019 13:30
Sampled By: DP
Sampled Matrix: Groundwater
Containers: 3

Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: MW-2

Lab Sample # L19-18999-01

REVISED- To provide lower PQLs for Cadmium and Lead per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.17	mg/L	0.01	SW-9014	LW	09/20/2019	
pH, Laboratory Analyzed (Estimate)	6.9	S.U.		SW-9040C/9045C	CTL	09/17/2019	
Arsenic, Total	0.043	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Barium, Total	0.292	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Cadmium, Total	<0.003	mg/L	0.003	SW-6020A	BAS	10/22/2019	
Chromium, Total	0.048	mg/L	0.014	SW-6020A	BAS	10/08/2019	
Lead, Total	0.036	mg/L	0.010	SW-6020A	BAS	10/22/2019	
Selenium, Total	<0.008	mg/L	0.008	SW-6020A	BAS	10/08/2019	
Silver, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Zinc, Total	0.405	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.0002	mg/L	0.0002	SW-7470A	BRM	09/25/2019	

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18999

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/25/2019
Date/Time Sampled: 09/13/2019 13:30
Sampled By: DP
Sampled Matrix: Groundwater
Containers: 3

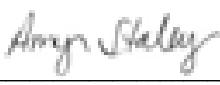
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: MW-2-F

Lab Sample # L19-18999-02

REVISED- To provide lower PQLs for Cadmium and Lead per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.04	mg/L	0.01	SW-9014	LW	09/20/2019	
pH, Laboratory Analyzed (Estimate)	6.9	S.U.		SW-9040C/9045C	CTL	09/17/2019	
Arsenic, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Barium, Total	0.157	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Cadmium, Total	<0.003	mg/L	0.003	SW-6020A	BAS	10/22/2019	
Chromium, Total	<0.014	mg/L	0.014	SW-6020A	BAS	10/08/2019	
Lead, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/22/2019	
Selenium, Total	<0.008	mg/L	0.008	SW-6020A	BAS	10/08/2019	
Silver, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Zinc, Total	<0.020	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.0002	mg/L	0.0002	SW-7470A	BRM	09/25/2019	

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18999

State of Ohio - EPA NWDO-RCRA
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Received: 09/13/2019
Reported: 10/25/2019
Date/Time Sampled: 09/13/2019 14:35
Sampled By: DP
Sampled Matrix: Groundwater
Containers: 3

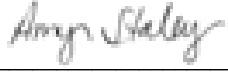
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: MW-7

Lab Sample # L19-18999-03

REVISED- To provide lower PQLs for Cadmium and Lead per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.12	mg/L	0.01	SW-9014	LW	09/20/2019	
pH, Laboratory Analyzed (Estimate)	7.2	S.U.		SW-9040C/9045C	CTL	09/17/2019	
Arsenic, Total	0.020	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Barium, Total	0.143	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Cadmium, Total	<0.003	mg/L	0.003	SW-6020A	BAS	10/22/2019	
Chromium, Total	0.019	mg/L	0.014	SW-6020A	BAS	10/08/2019	
Lead, Total	0.013	mg/L	0.010	SW-6020A	BAS	10/22/2019	
Selenium, Total	<0.008	mg/L	0.008	SW-6020A	BAS	10/08/2019	
Silver, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Zinc, Total	0.115	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.0002	mg/L	0.0002	SW-7470A	BRM	09/27/2019	

Analysis Certified By: 

ANALYTICAL REPORT

Lab Project # L19-18999

State of Ohio - EPA NWDO-RCRA
Attn: Gary Deutschman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 09/13/2019
Reported: 10/25/2019
Date/Time Sampled: 09/13/2019 14:35
Sampled By: DP
Sampled Matrix: Groundwater
Containers: 3

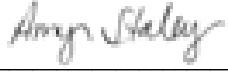
Project Name: Southside Plating-Galion RCGFI 317003417002

Sample ID: MW-7-F

Lab Sample # L19-18999-04

REVISED- To provide lower PQLs for Cadmium and Lead per customer's request

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cyanide, Total	0.11	mg/L	0.01	SW-9014	LW	09/20/2019	
pH, Laboratory Analyzed (Estimate)	7.3	S.U.		SW-9040C/9045C	CTL	09/17/2019	
Arsenic, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Barium, Total	0.076	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Cadmium, Total	<0.003	mg/L	0.003	SW-6020A	BAS	10/22/2019	
Chromium, Total	<0.014	mg/L	0.014	SW-6020A	BAS	10/08/2019	
Lead, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/22/2019	
Selenium, Total	<0.008	mg/L	0.008	SW-6020A	BAS	10/08/2019	
Silver, Total	<0.010	mg/L	0.010	SW-6020A	BAS	10/08/2019	
Zinc, Total	<0.020	mg/L	0.020	SW-6020A	BAS	10/08/2019	
Mercury, Total	<0.0002	mg/L	0.0002	SW-7470A	BRM	09/27/2019	

Analysis Certified By: 

State of Ohio - EPA NWDO-RCRA

09/10/2020

Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Re: Southside Plating- Galion RCGFI-317003-117002

Enclosed is the analytical report prepared by Alloway Lima for the following samples that were received on 08/17/2020

Lab Number	Sample ID	Sampled on:
L20-17670-01	AS -1 0-1	08/17/2020
L20-17670-02	AS-1 1-2	08/17/2020
L20-17670-03	AS-1 2-3	08/17/2020
L20-17670-04	AS-1 3-4	08/17/2020
L20-17670-05	AS-2 0-1	08/17/2020
L20-17670-06	AS-2 1-2	08/17/2020
L20-17670-07	AS-2 2-3	08/17/2020
L20-17670-08	AS-2 3-4	08/17/2020
L20-17670-09	AS-3 0-1	08/17/2020
L20-17670-10	AS-3 1-2	08/17/2020
L20-17670-11	AS-3 2-3	08/17/2020
L20-17670-12	AS-3 3-4	08/17/2020
L20-17670-13	AS-4 0-1	08/17/2020
L20-17670-14	AS-4 1-2	08/17/2020
L20-17670-15	AS-4 2-3	08/17/2020
L20-17670-16	AS-4 3-4	08/17/2020
L20-17670-17	AS-5 0-1	08/17/2020
L20-17670-18	AS-5 1-2	08/17/2020
L20-17670-19	AS-5 2-3	08/17/2020
L20-17670-20	AS-5 3-4	08/17/2020
L20-17670-21	AS-6 0-1	08/17/2020
L20-17670-22	AS-6 1-2	08/17/2020
L20-17670-23	AS-6 2-3	08/17/2020
L20-17670-24	AS-6 3-4	08/17/2020
L20-17670-25	AS-7 0-1	08/17/2020
L20-17670-26	AS-7 1-2	08/17/2020
L20-17670-27	AS-7 2-3	08/17/2020
L20-17670-28	AS-7 3-4	08/17/2020
L20-17670-29	AS-8 0-1	08/17/2020
L20-17670-30	AS-8 1-2	08/17/2020
L20-17670-31	AS-8 2-3	08/17/2020
L20-17670-32	AS-8 3-4	08/17/2020
L20-17670-33	AS-9 0-1	08/17/2020
L20-17670-34	AS-9 1-2	08/17/2020
L20-17670-35	AS-9 2-3	08/17/2020
L20-17670-36	AS-9 3-4	08/17/2020

State of Ohio - EPA NWDO-RCRA

09/10/2020

Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Re: Southside Plating- Galion RCGFI-317003-117002

L20-17670-37	AS-10 0-1	08/17/2020
L20-17670-38	AS-10 1-2	08/17/2020
L20-17670-39	AS-10 2-3	08/17/2020
L20-17670-40	AS-10 3-4	08/17/2020
L20-17670-41	SO-19 1-2	08/17/2020
L20-17670-42	SO-19 2-3	08/17/2020
L20-17670-43	SO-19 3-4	08/17/2020
L20-17670-44	CFA-09 2-3	08/17/2020
L20-17670-45	CFA-09 3-4	08/17/2020
L20-17670-46	CFA-07 1-2	08/17/2020
L20-17670-47	CFA-07 2-3	08/17/2020
L20-17670-48	CFA-07 3-4	08/17/2020
L20-17670-49	Duplicate A	08/17/2020
L20-17670-50	Duplicate B	08/17/2020
L20-17670-51	CFA-08	08/17/2020
L20-17670-52	SO-01	08/17/2020
L20-17670-53	SB-01	08/17/2020
L20-17670-54	SB-07	08/17/2020
L20-17670-55	SO-05	08/17/2020
L20-17670-56	SO-06	08/17/2020
L20-17670-57	SO-07	08/17/2020
L20-17670-58	SO-09	08/17/2020
L20-17670-59	CFA-06	08/17/2020

All analyses were performed by the methods documented in the analytical report and the samples were analyzed by EPA approved methods.

Should you have any questions regarding the analytical report please feel free to contact me. Thank you for using Alloway.

I appreciate your business.

Sincerely,



Lana Jackson
Laboratory Manager

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:24
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS -1 0-1

Lab Sample # L20-17670-01

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.99 j <0.7 mg/Kg	mg/Kg	0.99	SW-7196A	TNS	08/30/2020	
Cyanide, Total	0.54	mg/Kg	0.54	SW-9014	JNT	08/21/2020	
Total Solids	80.6	%	0.10	SM-2540 G	TNS	08/19/2020	
Cadmium, Total	9.03	mg/Kg	0.248	SW-6010B	AOP	08/24/2020	
Chromium, Total	34.6	mg/Kg	0.620	SW-6010B	AOP	08/24/2020	
Zinc, Total	253	mg/Kg	1.24	SW-6010B	AOP	08/24/2020	

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:25
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-1 1-2

Lab Sample # L20-17670-02

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50 j <0.35 mg/Kg	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	JNT		08/21/2020
Total Solids	80.3	%	0.10	SM-2540 G	TNS		08/19/2020
Cadmium, Total	3.74	mg/Kg	0.250	SW-6010B	AOP		08/24/2020
Chromium, Total	13.5	mg/Kg	0.625	SW-6010B	AOP		08/24/2020
Zinc, Total	75.6	mg/Kg	1.25	SW-6010B	AOP		08/24/2020

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:26
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-1 2-3

Lab Sample # L20-17670-03

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.24	mg/Kg	0.24	SW-7196A	TNS		09/09/2020
Cyanide, Total	<0.53	mg/Kg	0.53	SW-9014	JNT		08/21/2020
Total Solids	82.4	%	0.10	SM-2540 G	TNS		08/19/2020
Cadmium, Total	6.75	mg/Kg	0.242	SW-6010B	AOP		08/24/2020
Chromium, Total	8.45	mg/Kg	0.605	SW-6010B	AOP		08/24/2020
Zinc, Total	85.8	mg/Kg	1.21	SW-6010B	AOP		08/24/2020

Analysis Certified By: _____

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:27
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-1 3-4

Lab Sample # L20-17670-04

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50 j <0.35 mg/Kg	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.50	mg/Kg	0.50	SW-9014	JNT		08/21/2020
Total Solids	81.0	%	0.10	SM-2540 G	TNS		08/19/2020
Cadmium, Total	4.77	mg/Kg	0.246	SW-6010B	AOP		08/24/2020
Chromium, Total	14.0	mg/Kg	0.615	SW-6010B	AOP		08/24/2020
Zinc, Total	75.9	mg/Kg	1.23	SW-6010B	AOP		08/24/2020

Analysis Certified By

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:33
Sampled By: JS
Sampled Matrix: Soil
Containers: 3

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-2 0-1

Lab Sample # L20-17670-05

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.24	mg/Kg	0.24	SW-7196A	TNS	09/09/2020	
	The matrix spike/matrix spike duplicate fell outside the method limits biased low. The results for this sample should be evaluated accordingly.						
Cyanide, Total	4.06	mg/Kg	1.08	SW-9014	JNT	08/26/2020	
Total Solids	84.5	%	0.10	SM-2540 G	TNS	08/19/2020	
Cadmium, Total	26.8	mg/Kg	0.236	SW-6010B	AOP	08/24/2020	
Chromium, Total	174	mg/Kg	0.590	SW-6010B	AOP	08/24/2020	
	The matrix spike fell outside the method limits biased low. The results for this sample should be evaluated accordingly.						
Zinc, Total	1470	mg/Kg	1.18	SW-6010B	AOP	08/24/2020	

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:34
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-21-2

Lab Sample # L20-17670-06

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<2.55 ↓ <1.79 mg/Kg	mg/Kg	2.55	SW-7196A	TNS		08/30/2020
Cyanide, Total	0.78	mg/Kg	0.58	SW-9014	JNT		08/21/2020
Total Solids	78.5	%	0.10	SM-2540 G	TNS		08/19/2020
Cadmium, Total	13.0	mg/Kg	0.254	SW-6010B	AOP		08/24/2020
Chromium, Total	46.8	mg/Kg	0.635	SW-6010B	AOP		08/24/2020
Zinc, Total	271	mg/Kg	1.27	SW-6010B	AOP		08/24/2020

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:35
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-2 2-3

Lab Sample # L20-17670-07

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	0.93	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	JNT		08/21/2020
Total Solids	81.4	%	0.10	SM-2540 G	TNS		08/19/2020
Cadmium, Total	17.6	mg/Kg	0.246	SW-6010B	AOP		08/24/2020
Chromium, Total	24.0	mg/Kg	0.615	SW-6010B	AOP		08/24/2020
Zinc, Total	309	mg/Kg	1.23	SW-6010B	AOP		08/24/2020

Analysis Certified By:

ANALYTICAL REPORT

Lab Project # L20-17670

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 13:36
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-2 3-4

Lab Sample # L20-17670-08

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.47 j <0.33 mg/Kg	mg/Kg	0.47	SW-7196A	TNS	08/30/2020	
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	JNT	08/21/2020	
Total Solids	84.8	%	0.10	SM-2540 G	TNS	08/19/2020	
Cadmium, Total	4.78	mg/Kg	0.236	SW-6010B	AOP	08/24/2020	
Chromium, Total	10.6	mg/Kg	0.590	SW-6010B	AOP	08/24/2020	
Zinc, Total	73.1	mg/Kg	1.18	SW-6010B	AOP	08/24/2020	

Analysis Certified By:



**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:47
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-3 0-1

Lab Sample # L20-17670-09

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.96 j <0.67 mg/Kg	mg/Kg	0.96	SW-7196A	TNS		08/30/2020
Cyanide, Total	0.62	mg/Kg	0.59	SW-9014	JNT		08/21/2020
Total Solids	83.4	%	0.10	SM-2540 G	TNS		08/19/2020
Cadmium, Total	8.32	mg/Kg	0.240	SW-6010B	AOP		08/24/2020
Chromium, Total	39.2	mg/Kg	0.600	SW-6010B	AOP		08/24/2020
Zinc, Total	243	mg/Kg	1.20	SW-6010B	AOP		08/24/2020

Analysis Certified By:



ANALYTICAL REPORT

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:48
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-3 1-2

Lab Sample # L20-17670-10

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.47 j <0.33 mg/Kg	mg/Kg	0.47	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	JNT		08/21/2020
Total Solids	85.7	%	0.10	SM-2540 G	TNS		08/19/2020
Cadmium, Total	5.70	mg/Kg	0.234	SW-6010B	AOP		08/24/2020
Chromium, Total	10.5	mg/Kg	0.585	SW-6010B	AOP		08/24/2020
Zinc, Total	114	mg/Kg	1.17	SW-6010B	AOP		08/24/2020

Analysis Certified By

**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received:

08/17/2020

Reported:

09/10/2020

Date/Time Sampled:

08/17/2020 13:49

Sampled By:

JS

Sampled Matrix:

Soil

Containers:

1

Project Name: Southside Plating- Gallon RCGFI-317003-117002**Sample ID:** AS-3 2-3**Lab Sample #** L20-17670-11

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	JNT		08/21/2020
Total Solids	82.2	%	0.10	SM-2540 G	TNS		08/21/2020
Cadmium, Total	4.94	mg/Kg	0.244	SW-6010B	AOP		08/24/2020
Chromium, Total	12.9	mg/Kg	0.610	SW-6010B	AOP		08/24/2020
Zinc, Total	98.1	mg/Kg	1.22	SW-6010B	AOP		08/24/2020

Analysis Certified By:

Lana L Jackson

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:50
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-3 3-4

Lab Sample # L20-17670-12

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.54	mg/Kg	0.54	SW-9014	JNT		08/21/2020
Total Solids	81.8	%	0.10	SM-2540 G	TNS		08/21/2020
Cadmium, Total	4.46	mg/Kg	0.244	SW-6010B	AOP		08/24/2020
Chromium, Total	17.4	mg/Kg	0.610	SW-6010B	AOP		08/24/2020
Zinc, Total	64.8	mg/Kg	1.22	SW-6010B	AOP		08/24/2020

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 14:10
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-4 0-1

Lab Sample # L20-17670-13

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	3.03	mg/Kg	1.01	SW-7196A	TNS		08/30/2020
Cyanide, Total	5.66	mg/Kg	0.63	SW-9014	JNT		08/21/2020
Total Solids	79.1	%	0.10	SM-2540 G	TNS		08/21/2020
Cadmium, Total	4.76	mg/Kg	0.252	SW-6010B	AOP		08/24/2020
Chromium, Total	288	mg/Kg	0.630	SW-6010B	AOP		08/24/2020
Zinc, Total	153	mg/Kg	1.26	SW-6010B	AOP		08/24/2020

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 14:11
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-4 1-2

Lab Sample # L20-17670-14

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	4.11	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.62	mg/Kg	0.62	SW-9014	JNT		08/21/2020
Total Solids	80.8	%	0.10	SM-2540 G	TNS		08/21/2020
Cadmium, Total	4.23	mg/Kg	0.248	SW-6010B	AOP		08/24/2020
Chromium, Total	144	mg/Kg	0.620	SW-6010B	AOP		08/24/2020
Zinc, Total	60.5	mg/Kg	1.24	SW-6010B	AOP		08/24/2020

Analysis Certified By:

**ANALYTICAL REPORT**

Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 14:12
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-4 2-3

Lab Sample # L20-17670-15

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	6.20	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	JNT		08/21/2020
Total Solids	80.0	%	0.10	SM-2540 G	TNS		08/21/2020
Cadmium, Total	4.90	mg/Kg	0.250	SW-6010B	LW		08/28/2020
Chromium, Total	170	mg/Kg	0.625	SW-6010B	LW		08/28/2020
Zinc, Total	111	mg/Kg	1.25	SW-6010B	LW		08/28/2020

The matrix spike fell outside method limits biased low. The result for this sample should be evaluated accordingly.

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received:

08/17/2020

Reported:

09/10/2020

Date/Time Sampled:

08/17/2020 14:13

Sampled By:

JS

Sampled Matrix:

Soil

Containers:

1

Project Name: Southside Plating- Gallon RCGFI-317003-117002**Sample ID:** AS-4 3-4**Lab Sample #** L20-17670-16

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	5.04	mg/Kg	1.01	SW-7196A	TNS	08/30/2020	
Cyanide, Total	<0.51	mg/Kg	0.51	SW-9014	JNT	08/21/2020	
Total Solids	79.3	%	0.10	SM-2540 G	TNS	08/21/2020	
Cadmium, Total	5.49	mg/Kg	0.252	SW-6010B	LW	08/28/2020	
Chromium, Total	72.6	mg/Kg	0.630	SW-6010B	LW	08/28/2020	
Zinc, Total	96.3	mg/Kg	1.26	SW-6010B	LW	08/28/2020	

Analysis Certified By:

Laura L Jackson

ANALYTICAL REPORT

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
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Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:57
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-5 0-1

Lab Sample # L20-17670-17

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.24	mg/Kg	0.24	SW-7196A	TNS	09/09/2020	
Cyanide, Total	7.26	mg/Kg	0.53	SW-9014	JNT	08/21/2020	
Total Solids	84.7	%	0.10	SM-2540 G	TNS	08/21/2020	
Cadmium, Total	38.9	mg/Kg	0.236	SW-6010B	LW	08/28/2020	
Chromium, Total	293	mg/Kg	0.590	SW-6010B	LW	08/28/2020	
Zinc, Total	2010	mg/Kg	1.18	SW-6010B	LW	08/28/2020	

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**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received:

08/17/2020

Reported:

09/10/2020

Date/Time Sampled:

08/17/2020 13:58

Sampled By:

JS

Sampled Matrix:

Soil

Containers:

1

Project Name: Southside Plating- Galion RCGFI-317003-117002**Sample ID:** AS-5 1-2**Lab Sample #** L20-17670-18

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.97 ↳ <0.68 mg/Kg	mg/Kg	0.97	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.62	mg/Kg	0.62	SW-9014	JNT		08/21/2020
Total Solids	82.8	%	0.10	SM-2540 G	TNS		08/21/2020
Cadmium, Total	7.82	mg/Kg	0.242	SW-6010B	LW		08/28/2020
Chromium, Total	18.9	mg/Kg	0.604	SW-6010B	LW		08/28/2020
Zinc, Total	193	mg/Kg	1.21	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT

Lab Project # L20-17670

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
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 Bowling Green, OH 43402

Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 13:59
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-5 2-3

Lab Sample # L20-17670-19

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	JNT		08/21/2020
Total Solids	81.4	%	0.10	SM-2540 G	TNS		08/21/2020
Cadmium, Total	7.30	mg/Kg	0.246	SW-6010B	LW		08/28/2020
Chromium, Total	18.8	mg/Kg	0.614	SW-6010B	LW		08/28/2020
Zinc, Total	108	mg/Kg	1.23	SW-6010B	LW		08/28/2020

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT
Lab Project # L20-17670

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 14:00
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-5 3-4

Lab Sample # L20-17670-20

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.51 j <0.36 mg/Kg	mg/Kg	0.51	SW-7196A	TNS	08/30/2020	
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	JNT	08/21/2020	
Total Solids	78.3	%	0.10	SM-2540 G	TNS	08/21/2020	
Cadmium, Total	5.27	mg/Kg	0.255	SW-6010B	LW	08/28/2020	
Chromium, Total	17.7	mg/Kg	0.638	SW-6010B	LW	08/28/2020	
Zinc, Total	86.6	mg/Kg	1.28	SW-6010B	LW	08/28/2020	

Analysis Certified By: Laura Jackson

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020**Reported:** 09/10/2020**Date/Time Sampled:** 08/17/2020 12:01**Sampled By:** JS**Sampled Matrix:** Soil**Containers:** 1**Project Name:** Southside Plating- Galion RCGFI-317003-117002**Sample ID:** AS-6 0-1**Lab Sample #** L20-17670-21

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50 ↳ <0.35 mg/Kg	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	1.44	mg/Kg	0.59	SW-9014	JNT		08/21/2020
Total Solids	79.6	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	6.75	mg/Kg	0.251	SW-6010B	LW		08/28/2020
Chromium, Total	55.6	mg/Kg	0.628	SW-6010B	LW		08/28/2020
Zinc, Total	491	mg/Kg	1.26	SW-6010B	LW		08/28/2020

Analysis Certified By

Lana L Jackson

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
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Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 12:02
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-6 1-2

Lab Sample # L20-17670-22

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50 j <0.35 mg/Kg	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	JNT		08/25/2020
Total Solids	81.0	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	7.52	mg/Kg	0.247	SW-6010B	LW		08/28/2020
Chromium, Total	18.5	mg/Kg	0.618	SW-6010B	LW		08/28/2020
Zinc, Total	1020	mg/Kg	1.24	SW-6010B	LW		08/28/2020

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
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Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 12:03
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-6 2-3

Lab Sample # L20-17670-23

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48 j <0.34 mg/Kg	mg/Kg	0.48	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	JNT		08/25/2020
Total Solids	82.8	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	314	mg/Kg	0.242	SW-6010B	LW		08/28/2020
Chromium, Total	10.2	mg/Kg	0.604	SW-6010B	LW		08/28/2020
Zinc, Total	3710	mg/Kg	1.21	SW-6010B	LW		08/28/2020

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**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
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Bowling Green, OH 43402

Received:

08/17/2020

Reported:

09/10/2020

Date/Time Sampled:

08/17/2020 12:04

Sampled By:

JS

Sampled Matrix:

Soil

Containers:

1

Project Name: Southside Plating- Galion RCGFI-317003-117002**Sample ID:** AS-6 3-4**Lab Sample #** L20-17670-24

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	JNT		08/25/2020
Total Solids	82.2	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	101	mg/Kg	0.243	SW-6010B	LW		08/28/2020
Chromium, Total	10.2	mg/Kg	0.609	SW-6010B	LW		08/28/2020
Zinc, Total	1510	mg/Kg	1.22	SW-6010B	LW		08/28/2020

Analysis Certified By

Lana L Jackson

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
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Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:49
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-7 0-1

Lab Sample # L20-17670-25

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	0.54	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	5.49	mg/Kg	0.60	SW-9014	JNT		08/25/2020
Total Solids	81.7	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	363	mg/Kg	0.245	SW-6010B	LW		08/28/2020
Chromium, Total	1040	mg/Kg	0.612	SW-6010B	LW		08/28/2020
Zinc, Total	8420	mg/Kg	1.22	SW-6010B	LW		08/28/2020

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**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
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Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:50
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-7 1-2

Lab Sample # L20-17670-26

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50 j <0.35 mg/Kg	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	JNT		08/25/2020
Total Solids	81.0	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	3.81	mg/Kg	0.247	SW-6010B	LW		08/28/2020
Chromium, Total	17.2	mg/Kg	0.618	SW-6010B	LW		08/28/2020
Zinc, Total	64.7	mg/Kg	1.24	SW-6010B	LW		08/28/2020

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**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:51
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-7 2-3

Lab Sample # L20-17670-27

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50 j <0.35 mg/Kg	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	JNT		08/25/2020
Total Solids	80.8	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	4.96	mg/Kg	0.248	SW-6010B	LW		08/28/2020
Chromium, Total	16.9	mg/Kg	0.619	SW-6010B	LW		08/28/2020
Zinc, Total	84.5	mg/Kg	1.24	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT

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 Attn: Dawn Pleiman
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Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:52
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-7 3-4

Lab Sample # L20-17670-28

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.51 j <0.36 mg/Kg	mg/Kg	0.51	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	JNT		08/25/2020
Total Solids	77.8	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	6.04	mg/Kg	0.257	SW-6010B	LW		08/28/2020
Chromium, Total	19.2	mg/Kg	0.642	SW-6010B	LW		08/28/2020
Zinc, Total	89.8	mg/Kg	1.28	SW-6010B	LW		08/28/2020

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 Bowling Green, OH 43402

Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 10:51
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-8 0-1

Lab Sample # L20-17670-29

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	1.17	mg/Kg	0.49	SW-7196A	TNS	08/30/2020	
Cyanide, Total	0.62	mg/Kg	0.59	SW-9014	JNT	08/25/2020	
Total Solids	81.9	%	0.10	SM-2540 G	PJT	08/21/2020	
Cadmium, Total	14.8	mg/Kg	0.244	SW-6010B	LW	08/28/2020	
Chromium, Total	28.5	mg/Kg	0.610	SW-6010B	LW	08/28/2020	
Zinc, Total	308	mg/Kg	1.22	SW-6010B	LW	08/28/2020	

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ANALYTICAL REPORT

Lab Project # L20-17670

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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 10:52
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-8 1-2

Lab Sample # L20-17670-30

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	JNT		08/25/2020
Total Solids	81.4	%	0.10	SM-2540 G	PJT		08/21/2020
Cadmium, Total	37.1	mg/Kg	0.246	SW-6010B	LW		08/28/2020
Chromium, Total	16.4	mg/Kg	0.614	SW-6010B	LW		08/28/2020
Zinc, Total	512	mg/Kg	1.23	SW-6010B	LW		08/28/2020

Analysis Certified By:



ANALYTICAL REPORT

Lab Project # L20-17670

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 Attn: Dawn Pleiman
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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 10:53
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-8 2-3

Lab Sample # L20-17670-31

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50 j <0.35 mg/Kg	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.53	mg/Kg	0.53	SW-9014	JNT		08/25/2020
Total Solids	80.9	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	14.3	mg/Kg	0.247	SW-6010B	LW		08/28/2020
Chromium, Total	18.5	mg/Kg	0.618	SW-6010B	LW		08/28/2020
Zinc, Total	279	mg/Kg	1.24	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT

Lab Project # L20-17670

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 10:54
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-8 3-4

Lab Sample # L20-17670-32

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.46 j <0.32 mg/Kg	mg/Kg	0.46	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	JNT		08/25/2020
Total Solids	86.2	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	4.68	mg/Kg	0.232	SW-6010B	LW		08/28/2020
Chromium, Total	9.83	mg/Kg	0.580	SW-6010B	LW		08/28/2020
Zinc, Total	65.9	mg/Kg	1.16	SW-6010B	LW		08/28/2020

Analysis Certified By: Laura L Jackson

**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
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Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 10:37
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Gallon RCGFI-317003-117002

Sample ID: AS-9 0-1

Lab Sample # L20-17670-33

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<2.43 j <1.7 mg/Kg	mg/Kg	2.43	SW-7196A	TNS		08/30/2020
Cyanide, Total	19.0	mg/Kg	1.15	SW-9014	JNT		08/25/2020
Total Solids	82.4	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	54.9	mg/Kg	0.243	SW-6010B	LW		08/28/2020
Chromium, Total	263	mg/Kg	0.607	SW-6010B	LW		08/28/2020
Zinc, Total	5330	mg/Kg	1.21	SW-6010B	LW		08/28/2020

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**ANALYTICAL REPORT****Lab Project #**

L20-17670

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Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 10:38
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-9 1-2

Lab Sample # L20-17670-34

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	0.78	mg/Kg	0.50	SW-9014	JNT		08/25/2020
Total Solids	82.5	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	5.40	mg/Kg	0.242	SW-6010B	LW		08/28/2020
Chromium, Total	16.0	mg/Kg	0.606	SW-6010B	LW		08/28/2020
Zinc, Total	106	mg/Kg	1.21	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT

Lab Project # L20-17670

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 10:39
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-9 2-3

Lab Sample #: L20-17670-35

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	0.57	mg/Kg	0.57	SW-9014	JNT		08/25/2020
Total Solids	82.3	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	4.75	mg/Kg	0.243	SW-6010B	LW		08/28/2020
Chromium, Total	11.2	mg/Kg	0.608	SW-6010B	LW		08/28/2020
Zinc, Total	70.1	mg/Kg	1.22	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT

Lab Project # L20-17670

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 10:40
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-9 3-4

Lab Sample # L20-17670-36

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48 j <0.34 mg/Kg	mg/Kg	0.48	SW-7196A	TNS	08/30/2020	
Cyanide, Total	1.12	mg/Kg	0.59	SW-9014	JNT	08/26/2020	
Total Solids	83.7	%	0.10	SM-2540 G	PJT	08/22/2020	
Cadmium, Total	4.15	mg/Kg	0.239	SW-6010B	LW	08/28/2020	
Chromium, Total	10.2	mg/Kg	0.598	SW-6010B	LW	08/28/2020	
Zinc, Total	71.9	mg/Kg	1.20	SW-6010B	LW	08/28/2020	

Analysis Certified By: Laura L Jackson

**ANALYTICAL REPORT**

Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:04
Sampled By: JS
Sampled Matrix: Soil
Containers: 3

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
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Bowling Green, OH 43402

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-10 0-1

Lab Sample # L20-17670-37

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.24	mg/Kg	0.24	SW-7196A	TNS		09/09/2020
	The matrix spike/matrix spike duplicate fell outside the method limits biased low. The results for this sample should be evaluated accordingly.						
Cyanide, Total	47.3	mg/Kg	2.15	SW-9014	JNT		08/28/2020
Total Solids	82.5	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	41.2	mg/Kg	0.242	SW-6010B	LW		08/28/2020
	The matrix spike/matrix spike duplicate fell outside method limits biased low. The result for this sample should be evaluated accordingly.						
Chromium, Total	352	mg/Kg	0.606	SW-6010B	LW		08/28/2020
Zinc, Total	2280	mg/Kg	1.21	SW-6010B	LW		08/28/2020
	The matrix spike/matrix spike duplicate fell outside method limits biased low. The result for this sample should be evaluated accordingly.						

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ANALYTICAL REPORT
Lab Project # L20-17670

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Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:05
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Gallon RCGFI-317003-117002

Sample ID: AS-10 1-2

Lab Sample # L20-17670-38

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48 j <0.34 mg/Kg	mg/Kg	0.48	SW-7196A	TNS	08/30/2020	
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	JNT	08/26/2020	
Total Solids	84.0	%	0.10	SM-2540 G	PJT	08/22/2020	
Cadmium, Total	6.56	mg/Kg	0.238	SW-6010B	LW	08/28/2020	
Chromium, Total	13.8	mg/Kg	0.595	SW-6010B	LW	08/28/2020	
Zinc, Total	97.3	mg/Kg	1.19	SW-6010B	LW	08/28/2020	

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Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:06
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-10 2-3

Lab Sample # L20-17670-39

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	JNT		08/26/2020
Total Solids	82.4	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	6.56	mg/Kg	0.243	SW-6010B	LW		08/28/2020
Chromium, Total	14.6	mg/Kg	0.607	SW-6010B	LW		08/28/2020
Zinc, Total	87.1	mg/Kg	1.21	SW-6010B	LW		08/28/2020

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Lab Project # L20-17670

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Attn: Dawn Pleiman
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Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 11:07
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: AS-10 3-4

Lab Sample #: L20-17670-40

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48 j <0.34 mg/Kg	mg/Kg	0.48	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	JNT		08/26/2020
Total Solids	83.7	%	0.10	SM-2540 G	PJT		08/22/2020
Cadmium, Total	4.91	mg/Kg	0.239	SW-6010B	LW		08/28/2020
Chromium, Total	14.0	mg/Kg	0.598	SW-6010B	LW		08/28/2020
Zinc, Total	61.0	mg/Kg	1.20	SW-6010B	LW		08/28/2020

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Lab Project # L20-17670

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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 13:07
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-19 1-2

Lab Sample # L20-17670-41

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.51	mg/Kg	0.51	SW-7196A	TNS	08/30/2020	
Cyanide, Total	3.08	mg/Kg	0.57	SW-9014	JNT	08/26/2020	
Total Solids	78.5	%	0.10	SM-2540 G	TNS	08/23/2020	
Cadmium, Total	51.4	mg/Kg	0.255	SW-6010B	LW	08/28/2020	
Chromium, Total	439	mg/Kg	0.637	SW-6010B	LW	08/28/2020	
Zinc, Total	1110	mg/Kg	1.27	SW-6010B	LW	08/28/2020	

Analysis Certified By: Laura L Jackson

ANALYTICAL REPORT

Lab Project # L20-17670

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 13:08
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-19 2-3

Lab Sample # L20-17670-42

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49 j <0.34 mg/Kg	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	JNT		08/26/2020
Total Solids	81.8	%	0.10	SM-2540 G	TNS		08/23/2020
Cadmium, Total	4.74	mg/Kg	0.244	SW-6010B	LW		08/28/2020
Chromium, Total	18.8	mg/Kg	0.611	SW-6010B	LW		08/28/2020
Zinc, Total	85.9	mg/Kg	1.22	SW-6010B	LW		08/28/2020

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Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:09
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-19 3-4

Lab Sample # L20-17670-43

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.57	mg/Kg	0.57	SW-9014	JNT		08/26/2020
Total Solids	80.4	%	0.10	SM-2540 G	TNS		08/23/2020
Cadmium, Total	5.54	mg/Kg	0.249	SW-6010B	LW		08/28/2020
Chromium, Total	15.4	mg/Kg	0.622	SW-6010B	LW		08/28/2020
Zinc, Total	90.0	mg/Kg	1.24	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT

Lab Project # L20-17670

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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 11:28
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: CFA-09 2-3

Lab Sample # L20-17670-44

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	0.49	mg/Kg	0.49	SW-7196A	TNS	08/30/2020	
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	JNT	08/26/2020	
Total Solids	82.2	%	0.10	SM-2540 G	TNS	08/23/2020	
Cadmium, Total	83.3	mg/Kg	0.243	SW-6010B	LW	08/28/2020	
Chromium, Total	17.1	mg/Kg	0.609	SW-6010B	LW	08/28/2020	
Zinc, Total	980	mg/Kg	1.22	SW-6010B	LW	08/28/2020	

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Lab Project # L20-17670

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Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 11:29
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: CFA-09 3-4

Lab Sample # L20-17670-45

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50	mg/Kg	0.50	SW-7196A	TNS	08/30/2020	
Cyanide, Total	<0.62	mg/Kg	0.62	SW-9014	JNT	08/26/2020	
Total Solids	80.4	%	0.10	SM-2540 G	TNS	08/23/2020	
Cadmium, Total	117	mg/Kg	0.249	SW-6010B	LW	08/28/2020	
Chromium, Total	19.5	mg/Kg	0.622	SW-6010B	LW	08/28/2020	
Zinc, Total	1190	mg/Kg	1.24	SW-6010B	LW	08/28/2020	

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Lab Project # L20-17670

Received: 08/17/2020
 Reported: 09/10/2020
 Date/Time Sampled: 08/17/2020 13:15
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: CFA-07 1-2

Lab Sample # L20-17670-46

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50	mg/Kg	0.50	SW-7196A	TNS		08/30/2020
Cyanide, Total	0.68	mg/Kg	0.54	SW-9014	JNT		08/26/2020
Total Solids	80.4	%	0.10	SM-2540 G	TNS		08/23/2020
Cadmium, Total	21.3	mg/Kg	0.249	SW-6010B	LW		08/28/2020
Chromium, Total	31.1	mg/Kg	0.622	SW-6010B	LW		08/28/2020
Zinc, Total	1740	mg/Kg	1.24	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT

Lab Project # L20-17670

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 Attn: Dawn Pleiman
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Received: 08/17/2020
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 Date/Time Sampled: 08/17/2020 13:16
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: CFA-07 2-3

Lab Sample # L20-17670-47

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48 j <0.34 mg/Kg	mg/Kg	0.48	SW-7196A	TNS	08/30/2020	
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	JNT	08/26/2020	
Total Solids	82.7	%	0.10	SM-2540 G	TNS	08/23/2020	
Cadmium, Total	5.80	mg/Kg	0.242	SW-6010B	LW	08/28/2020	
Chromium, Total	12.7	mg/Kg	0.604	SW-6010B	LW	08/28/2020	
Zinc, Total	139	mg/Kg	1.21	SW-6010B	LW	08/28/2020	

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**ANALYTICAL REPORT****Lab Project #** L20-17670

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Received: 08/17/2020
Reported: 09/10/2020
Date/Time Sampled: 08/17/2020 13:17
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: CFA-07 3-4

Lab Sample # L20-17670-48

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48 j <0.34 mg/Kg	mg/Kg	0.48	SW-7196A	TNS		08/30/2020
Cyanide, Total	<0.59	mg/Kg	0.59	SW-9014	JNT		08/26/2020
Total Solids	83.5	%	0.10	SM-2540 G	TNS		08/23/2020
Cadmium, Total	5.32	mg/Kg	0.240	SW-6010B	LW		08/28/2020
Chromium, Total	12.0	mg/Kg	0.599	SW-6010B	LW		08/28/2020
Zinc, Total	127	mg/Kg	1.20	SW-6010B	LW		08/28/2020

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**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
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Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: Duplicate A

Lab Sample # L20-17670-49

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	1.41	mg/Kg	0.49	SW-7196A	TNS		08/30/2020
	The matrix spike fell outside the method limits biased low. The results for this sample should be evaluated accordingly.						
Cyanide, Total	0.62	mg/Kg	0.59	SW-9014	JNT		08/26/2020
Total Solids	82.3	%	0.10	SM-2540 G	TNS		08/23/2020
Cadmium, Total	15.5	mg/Kg	0.243	SW-6010B	LW		08/28/2020
Chromium, Total	25.8	mg/Kg	0.608	SW-6010B	LW		08/28/2020
Zinc, Total	1350	mg/Kg	1.22	SW-6010B	LW		08/28/2020

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Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: Duplicate B

Lab Sample # L20-17670-50

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.46	mg/Kg	0.46	SW-7196A	TNS		08/30/2020
<p>j <0.28 mg/Kg</p> <p>The matrix spike fell outside the method limits biased low. The results for this sample should be evaluated accordingly</p>							
Cyanide, Total	<0.55	mg/Kg	0.55	SW-9014	JNT		08/26/2020
Total Solids	86.8	%	0.10	SM-2640 G	TNS		08/23/2020
Cadmium, Total	4.82	mg/Kg	0.230	SW-6010B	LW		08/28/2020
Chromium, Total	12.0	mg/Kg	0.576	SW-6010B	LW		08/28/2020
Zinc, Total	95.9	mg/Kg	1.15	SW-6010B	LW		08/28/2020

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ANALYTICAL REPORT**Lab Project #** L20-17670

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Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 11:23
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: CFA-08

Lab Sample # L20-17670-51

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	0.13	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

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**ANALYTICAL REPORT****Lab Project #**

L20-17670

State of Ohio - EPA NWDO-RCRA
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Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 14:24
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-01

Lab Sample # L20-17670-52

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

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ANALYTICAL REPORT

Lab Project # L20-17670

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Received: 08/17/2020
 Reported: 09/10/2020
 Date Sampled: 08/17/2020 14:29
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SB-01

Lab Sample # L20-17670-53

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

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Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 11:59
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SB-07

Lab Sample # L20-17670-54

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	0.31	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

Analysis Certified By:



ANALYTICAL REPORT

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 14:34
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-05

Lab Sample # L20-17670-55

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	0.12	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

Analysis Certified By:



**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 14:49
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-06

Lab Sample # L20-17670-56

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

Analysis Certified By: _____

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 14:56
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-07

Lab Sample # L20-17670-57

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

Analysis Certified By

**ANALYTICAL REPORT****Lab Project #** L20-17670

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 14:43
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: SO-09

Lab Sample # L20-17670-58

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

Analysis Certified By _____

ANALYTICAL REPORT

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Lab Project # L20-17670
Received: 08/17/2020
Reported: 09/10/2020
Date Sampled: 08/17/2020 14:03
Sampled By: JS
Sampled Matrix: Soil
Containers: 1

Project Name: Southside Plating- Galion RCGFI-317003-117002

Sample ID: CFA-06

Lab Sample # L20-17670-59

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Cadmium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
Chromium, TCLP	<0.10	mg/L	0.10	SW-6010B	AOP	08/24/2020	
TCLP extraction	*	Y/N		SW-1311	CTL	08/20/2020	

Analysis Certified By



State of Ohio - EPA NWDO-RCRA

12/17/2020

Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Re: Southside Plating Galion - RCGFI-317003417002

Enclosed is the analytical report prepared by Alloway Lima for the following samples that were received on 12/14/2020

Lab Number	Sample ID	Sampled on:
L20-21847-01	CS-1	12/11/2020
L20-21847-02	CS-2	12/11/2020
L20-21847-03	CS-3	12/11/2020
L20-21847-04	CS-4	12/11/2020
L20-21847-05	CS-5	12/11/2020
L20-21847-06	CS-6	12/11/2020
L20-21847-07	CS-7	12/11/2020

All analyses were performed by the methods documented in the analytical report and the samples were analyzed by EPA approved methods.

Should you have any questions regarding the analytical report please feel free to contact me. Thank you for using Alloway.

I appreciate your business.

Sincerely,



Lana Jackson
Laboratory Manager

**ANALYTICAL REPORT****Lab Project #** L20-21847

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 12/14/2020
Reported: 12/17/2020
Date/Time Sampled: 12/11/2020 14:10
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-1

Lab Sample # L20-21847-01

Total results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50	mg/Kg	0.50	SW-7196A	TNS		12/17/2020
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	JNT		12/15/2020
Total Solids	80.6	%	0.10	SM-2540 G	TNS		12/14/2020
Cadmium, Total	49.8	mg/Kg	0.248	SW-6010B	LW		12/16/2020
Nickel, Total	47.3	mg/Kg	0.992	SW-6010B	LW		12/16/2020
Zinc, Total	1310	mg/Kg	1.24	SW-6010B	LW		12/17/2020

The matrix spike fell outside method limits biased low. The result for this sample should be evaluated accordingly.

The matrix spike fell outside method limits biased low. The result for this sample should be evaluated accordingly.

The matrix spike fell outside method limits biased low. The result for this sample should be evaluated accordingly.

Analysis Certified By: _____

ANALYTICAL REPORT

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Lab Project # L20-21847

Received: 12/14/2020
Reported: 12/17/2020
Date/Time Sampled: 12/11/2020 14:15
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-2

Lab Sample # L20-21847-02

Total results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.47	mg/Kg	0.47	SW-7196A	TNS		12/17/2020
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	JNT		12/15/2020
Total Solids	84.5	%	0.10	SM-2540 G	TNS		12/14/2020
Cadmium, Total	254	mg/Kg	0.237	SW-6010B	LW		12/16/2020
Nickel, Total	36.8	mg/Kg	0.946	SW-6010B	LW		12/16/2020
Zinc, Total	2580	mg/Kg	1.18	SW-6010B	LW		12/17/2020

Analysis Certified By:

ANALYTICAL REPORT

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Lab Project # L20-21847
Received: 12/14/2020
Reported: 12/17/2020
Date/Time Sampled: 12/11/2020 14:20
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-3

Lab Sample # L20-21847-03

Total results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.46	mg/Kg	0.46	SW-7196A	TNS		12/17/2020
Cyanide, Total	4.57	mg/Kg	0.57	SW-9014	JNT		12/15/2020
Total Solids	86.5	%	0.10	SM-2540 G	TNS		12/14/2020
Cadmium, Total	17.1	mg/Kg	0.231	SW-6010B	LW		12/16/2020
Nickel, Total	43.6	mg/Kg	0.925	SW-6010B	LW		12/16/2020
Zinc, Total	288	mg/Kg	1.16	SW-6010B	LW		12/17/2020

Analysis Certified By:



ANALYTICAL REPORT

Lab Project # L20-21847

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 12/14/2020
Reported: 12/17/2020
Date/Time Sampled: 12/11/2020 14:25
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-4

Lab Sample # L20-21847-04

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48	mg/Kg	0.48	SW-7196A	TNS		12/17/2020
Cyanide, Total	<0.58	mg/Kg	0.58	SW-9014	JNT		12/15/2020
Total Solids	82.7	%	0.10	SM-2540 G	TNS		12/14/2020
Cadmium, Total	25.1	mg/Kg	0.242	SW-6010B	LW		12/16/2020
Nickel, Total	51.3	mg/Kg	0.967	SW-6010B	LW		12/16/2020
Zinc, Total	285	mg/Kg	1.21	SW-6010B	LW		12/17/2020

Analysis Certified By:

**ANALYTICAL REPORT****Lab Project #** L20-21847

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 12/14/2020
Reported: 12/17/2020
Date/Time Sampled: 12/11/2020 14:35
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-5

Lab Sample # L20-21847-05

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.52	mg/Kg	0.52	SW-7196A	TNS		12/17/2020
Cyanide, Total	<0.64	mg/Kg	0.64	SW-9014	JNT		12/15/2020
Total Solids	76.9	%	0.10	SM-2540 G	TNS		12/14/2020
Cadmium, Total	71.4	mg/Kg	0.260	SW-6010B	LW		12/16/2020
Nickel, Total	27.8	mg/Kg	1.04	SW-6010B	LW		12/16/2020
Zinc, Total	678	mg/Kg	1.30	SW-6010B	LW		12/17/2020

Analysis Certified By:

ANALYTICAL REPORT

Lab Project # L20-21847

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Received: 12/14/2020
 Reported: 12/17/2020
 Date/Time Sampled: 12/11/2020 14:40
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 2

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-6

Lab Sample #: L20-21847-06

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49	mg/Kg	0.49	SW-7196A	TNS		12/17/2020
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	JNT		12/15/2020
Total Solids	81.2	%	0.10	SM-2540 G	TNS		12/14/2020
Cadmium, Total	18.0	mg/Kg	0.246	SW-6010B	LW		12/16/2020
Nickel, Total	34.3	mg/Kg	0.984	SW-6010B	LW		12/16/2020
Zinc, Total	242	mg/Kg	1.23	SW-6010B	LW		12/17/2020

Analysis Certified By:



ANALYTICAL REPORT

Lab Project # L20-21847

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 12/14/2020
Reported: 12/17/2020
Date/Time Sampled: 12/11/2020 15:05
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-7

Lab Sample # L20-21847-07

Results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	0.93	mg/Kg	0.49	SW-7196A	TNS		12/17/2020
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	JNT		12/15/2020
Total Solids	81.9	%	0.10	SM-2540 G	TNS		12/14/2020
Cadmium, Total	5.91	mg/Kg	0.244	SW-6010B	LW		12/16/2020
Nickel, Total	39.8	mg/Kg	0.977	SW-6010B	LW		12/16/2020
Zinc, Total	113	mg/Kg	1.22	SW-6010B	LW		12/17/2020

Analysis Certified By:

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

12/18/2020

Re: Southside Plating Galion - RCGFI-317003417002

Enclosed is the analytical report prepared by Alloway Lima for the following samples that were received on 12/15/2020

Lab Number	Sample ID	Sampled on:
L20-21946-01	CS-8	12/11/2020
L20-21946-02	CS-9	12/15/2020

All analyses were performed by the methods documented in the analytical report and the samples were analyzed by EPA approved methods.

Should you have any questions regarding the analytical report please feel free to contact me. Thank you for using Alloway.
I appreciate your business.

Sincerely,



Lana Jackson
Laboratory Manager

**ANALYTICAL REPORT**

Lab Project # L20-21946
Received: 12/15/2020
Reported: 12/18/2020
Date/Time Sampled: 12/11/2020 11:00
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-8

Lab Sample # L20-21946-01

Total results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	4.68	mg/Kg	0.52	SW-7196A	TNS	12/17/2020	
Cyanide, Total	2.09	mg/Kg	0.63	SW-9014	JNT	12/16/2020	
Total Solids	77.0	%	0.10	SM-2540 G	TNS	12/16/2020	
Cadmium, Total	47.4	mg/Kg	0.260	SW-6010B	LW	12/17/2020	
Nickel, Total	26.9	mg/Kg	1.04	SW-6010B	LW	12/17/2020	
Zinc, Total	145	mg/Kg	1.30	SW-6010B	LW	12/17/2020	

The matrix spike fell outside method limits biased low. The result for this sample should be evaluated accordingly.

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Lab Project # L20-21946
Received: 12/15/2020
Reported: 12/18/2020
Date/Time Sampled: 12/15/2020 11:05
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

Project Name: Southside Plating Galion - RCGFI-317003417002

Sample ID: CS-9

Lab Sample # L20-21946-02

Total results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	0.95	mg/Kg	0.50	SW-7196A	TNS		12/17/2020
Cyanide, Total	<0.61	mg/Kg	0.61	SW-9014	JNT		12/16/2020
Total Solids	80.3	%	0.10	SM-2540 G	TNS		12/16/2020
Cadmium, Total	4.08	mg/Kg	0.249	SW-6010B	LW		12/17/2020
Nickel, Total	15.3	mg/Kg	0.996	SW-6010B	LW		12/17/2020
Zinc, Total	136	mg/Kg	1.25	SW-6010B	LW		12/17/2020

Analysis Certified By: Lana L Jackson



State of Ohio - EPA NWDO-RCRA

12/29/2020

Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Re: Former Southside Plating Galion

Enclosed is the analytical report prepared by Alloway Lima for the following samples that were received on 12/17/2020

Lab Number	Sample ID	Sampled on:
L20-22052-01	CS-10	12/17/2020

All analyses were performed by the methods documented in the analytical report and the samples were analyzed by EPA approved methods.

Should you have any questions regarding the analytical report please feel free to contact me. Thank you for using Alloway.

I appreciate your business.

Sincerely,

Lana Jackson
Laboratory Manager

**ANALYTICAL REPORT****Lab Project #** L20-22052

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 12/17/2020
Reported: 12/29/2020
Date/Time Sampled: 12/17/2020 13:20
Sampled By: JDW
Sampled Matrix: Soil
Containers: 2

Project Name: Former Southside Plating Galion

Sample ID: CS-10

Lab Sample # L20-22052-01

Total results reported on a dry weight basis.

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.48	mg/Kg	0.48	SW-7196A	TNS		12/23/2020
Cyanide, Total	<0.56	mg/Kg	0.56	SW-9014	JNT		12/23/2020
Total Solids	83.6	%	0.10	SM-2540 G	TNS		12/20/2020
Cadmium, Total	21.9	mg/Kg	0.239	SW-6010B	LW		12/22/2020
Nickel, Total	25.2	mg/Kg	0.957	SW-6010B	LW		12/22/2020
Zinc, Total	493	mg/Kg	1.20	SW-6010B	LW		12/22/2020

Analysis Certified By: _____



State of Ohio - EPA NWDO-RCRA

12/29/2020

Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Re: Southside Plating Galion

Enclosed is the analytical report prepared by Alloway Lima for the following samples that were received on 12/18/2020

Lab Number	Sample ID	Sampled on:
L20-22066-01	CS-11	12/18/2020
L20-22066-02	CS-12	12/18/2020

All analyses were performed by the methods documented in the analytical report and the samples were analyzed by EPA approved methods.

Should you have any questions regarding the analytical report please feel free to contact me. Thank you for using Alloway.
I appreciate your business.

Sincerely,

Lana Jackson
Laboratory Manager



ANALYTICAL REPORT

Lab Project # L20-22066

 State of Ohio - EPA NWDO-RCRA
 Attn: Dawn Pleiman
 347 N. Downbridge Rd
 Bowling Green, OH 43402

 Received: 12/18/2020
 Reported: 12/29/2020
 Date/Time Sampled: 12/18/2020 13:10
 Sampled By: JS
 Sampled Matrix: Soil
 Containers: 2

Project Name: Southside Plating Galion

Sample ID: CS-11

Lab Sample # L20-22066-01

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.50	mg/Kg	0.50	SW-7196A	TNS		12/28/2020
Cyanide, Total	2.52	mg/Kg	0.62	SW-9014	JNT		12/23/2020
Total Solids	79.4	%	0.10	SM-2540 G	TNS		12/21/2020
Cadmium, Total	5.12	mg/Kg	0.252	SW-6010B	AOP		12/28/2020
Nickel, Total	14.0	mg/Kg	1.01	SW-6010B	AOP		12/28/2020
Zinc, Total	58.3	mg/Kg	1.26	SW-6010B	AOP		12/28/2020

Analysis Certified By: _____

ANALYTICAL REPORT

Lab Project # L20-22066

State of Ohio - EPA NWDO-RCRA
Attn: Dawn Pleiman
347 N. Downbridge Rd
Bowling Green, OH 43402

Received: 12/18/2020
Reported: 12/29/2020
Date/Time Sampled: 12/18/2020 13:45
Sampled By: JS
Sampled Matrix: Soil
Containers: 2

Project Name: Southside Plating Galion

Sample ID: CS-12

Lab Sample #: L20-22066-02

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Chromium, Hexavalent	<0.49	mg/Kg	0.49	SW-7196A	TNS	12/28/2020	
Cyanide, Total	<0.60	mg/Kg	0.60	SW-9014	JNT	12/23/2020	
Total Solids	81.1	%	0.10	SM-2540 G	TNS	12/21/2020	
Cadmium, Total	54.3	mg/Kg	0.246	SW-6010B	AOP	12/28/2020	
Nickel, Total	20.3	mg/Kg	0.984	SW-6010B	AOP	12/28/2020	
Zinc, Total	147	mg/Kg	1.23	SW-6010B	AOP	12/28/2020	

Analysis Certified By: