FREEPORT-McMoRan

Freeport-McMoRan Chino Mines Company
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October 16, 2026

Certified Mail # 70221670000184299925

Mr. Jonas Armstrong, Director
Water Protection Division
New Mexico Environment Department
P.O. Box 5469
Santa Fe, New Mexico 87502

Dear Mr. Armstrong:

Re: Chino Administrative Order on Consent (AOC)
Hurley Parking Lot Soil Removal Action Completion Report

Freeport-McMoRan Chino Mines Company (Chino) submits under separate cover the *Completion Report for the Hurley Parking Lot Area Removal Action* under the Chino Administrative Order on Consent (AOC). The soil removal action in the now vacated operational parking lot remediates surface exposure risks from windblown copper concentrate and provides additional source control for the Hurley Soils Investigation Unit (HSIU) due to its proximity to the town of Hurley. Chino implemented and completed the removal action during the first and second quarters of 2026.

The completion report was submitted today to Mr. David Mercer, New Mexico Environment Department (NMED) Chino AOC Manager. Please contact Ms. Pam Pinson at (575) 912-5213 with any questions or comments concerning this removal action.

Sincerely,

Sherry Burt-Kested, Manager
NMO Environmental Services

SBK:pp
20261016-001

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David Mercer, NMED
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Freeport-McMoRan – Chino Mines Company

HURLEY PARKING LOT AREA

Interim Removal Action
Hurley Soils Investigation Unit
Chino Administrative Order on Consent

October 14, 2026

COMPLETION REPORT HURLEY PARKING LOT AREA

Interim Removal Action Hurley Soils Investigation Unit Chino Administrative Order On Consent

October 14, 2026

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Acronyms and Abbreviations

µm	microns
AOC	Administrative Order on Consent
Arcadis	Arcadis U.S., Inc.
BMP	best management practice
CCP	Closure/Closeout Plan
CGP	Construction General Stormwater Permit
Chino	Freeport-McMoRan Chino Mines Company
CR	Completion Report
Cu	copper
DP	Discharge Permit
HSIU	Hurley Soils Investigation Unit
HWC	Hanover and Upper Whitewater Creek
IRA	Interim Removal Action
IRAWP	Interim Remedial Action Work Plan
IU	investigation unit
mg/kg	milligrams per kilogram
NMED	New Mexico Environmental Department
NPDES	National Pollutant Discharge Elimination System
ppm	parts per million
Pre-FS RAC	pre-feasibility study remedial action criteria
QA	Quality Assurance
QAP	Quality Assurance Plan
QC	Quality Control
RPD	relative percent difference
STSIU	Smelter/Tailing Soil Investigation Unit
SWPPP	Stormwater Pollution Prevention Plan
the site	Hurley Parking Lot Area, Hurley, New Mexico
TMDL	total maximum daily load
USEPA	United States Environmental Protection Agency
XRF	x-ray fluorescence

1 INTRODUCTION

Freeport-McMoRan Chino Mines Company (Chino) conducted an interim removal action (IRA) as part of the Hurley Soils Investigation Unit (HSIU) under the Administrative Order on Consent (AOC; NMED 1994) with the New Mexico Environment Department (NMED). This area is referred to as the Parking Lot Area and is located along 1st Street in Hurley, New Mexico (Figure 1). Arcadis U.S., Inc. (Arcadis) prepared this IRA Completion Report (CR) on behalf of Chino to describe soil removal action for the Parking Lot Area in the Town of Hurley.

The Parking Lot IRA follows the work plan previously prepared under the AOC Smelter/Tailing Soil Investigation Unit (STSIU) Interim Remedial Action Work Plan (IRAWP; Arcadis 2007). NMED provided approval to perform the IRA under the existing IRAWP in an email dated January 12, 2026 as a soil removal construction effort being performed under the HSIU. This CR describes removal of copper-impacted soil within the Parking Lot Area where surface soil copper (Cu) concentrations (0 to 1 inch below ground surface [bgs]) were greater than 5,000 parts per million (ppm) when soil was sieved to below 250 microns (µm). This threshold was based on the residential pre-feasibility study remedial action criteria (Pre-FS RAC) for the HSIU issued by NMED in July 2005 (Golder 2006), implemented for the HSIU IRA (Golder 2008a), and finalized as the RAC after the feasibility study (FS) was completed (Golder 2008b, NMED 2009). The Parking Lot Area is an empty abandoned lot with fresh water pipeline corridors as its only activity, but the residential Pre-FS RAC was nevertheless conservatively applied.

To address horizontal delineation of copper concentrations at the site, the residential copper criteria of 5,000 ppm was applied to the pre-remedy sample data available. During the STSIU Remedial Investigation, two samples were collected in this area (S59 = 14,100 ppm and S60 = 18,300 ppm, as shown in Table 3-2 of the STSIU FS, Arcadis 2026). These data provided soil characterization information for the lot to place any removed material on the West Stockpile under DP-526 via NMED approval. The data as well as the immediate proximity to the historic smelter facility indicated exceedance of the 5,000 ppm criteria and removal of the shallow soil of the entire Parking Lot would be appropriate due to its immediate proximity to the town of Hurley. Thus, the horizontal delineation for remediation was set to be the size and shape of the Parking Lot. The Parking Lot Area IRA soil removal was performed between January 13, 2026 and the week of February 9, 2026, with placement of a clean cover and additional regrading performed on April 23, 2026, followed by seeding application in early July 2026, in accordance with the STSIU IRAWP, which has general procedures similar to the established and implemented IRAWP procedures for the town of Hurley under the 2006 Hurley Interim Remedial Action Work Plan (Golder 2006). Although the 2009 Record of Decision (NMED 2009) determined that the remedy of “No Action” beyond the already completed IRA in Golder (2008a) is appropriate for the HSIU, the Parking Lot Area was not originally included in this decision because it was part of the operational area. Because it was no longer used for operations by 2025, Chino implemented a remedy using the same general procedures used for the Town of Hurley IRA with some modifications based on its use as a parking lot.

1.1 Document Organization

The remaining sections of this CR are organized as follows:

- Section 2 – Project Background. This section discusses the site setting and history.
- Section 3 – Interim Removal Action Summary. This section summarizes IRA construction activities and confirmation sampling. It includes the total volume of soil removed during excavation, placement of a cover using borrow material, and achievement of cleanup goals.

- Section 4 – Construction Documentation and Quality Assurance. This section summarizes the quality of the data, results, and conclusions from the construction work, along with air and water quality monitoring results.
- Section 5 – Post-Construction Monitoring. This section provides a summary of the type and frequency of future inspections planned to meet reclamation requirements.
- Section 6 – References. This section provides references for documents cited within this CR.

2 PROJECT BACKGROUND

This section describes the general Chino site investigation units (IUs) and then focuses on the HSIU, particularly the Parking Lot Area. Multiple IUs to evaluate need for remediation of chemical impacts associated with historical mineral processing operations at the site were designated in the AOC (Chino 1995). These included the Lampbright IU, Hanover Creek Channel IU, Whitewater Creek Channel IU, Smelter Soils IU, Hurley Soil IU, and the Tailing Impacted Soils IU; a site location map showing locations of the IUs is shown on Figure 2. The Hanover and Whitewater Creeks IUs as well as the Smelter and Tailing Impacted Soils IUs have been combined to form the HWCIU and STSIU, respectively.

This completion report specifically addresses surface soil impacts in the Parking Lot Area now in the HSIU. A map of the Parking Lot Area is provided as Figure 3. The HSIU is described in detail in the Feasibility Study for the Hurley Soils Investigation Unit (Golder 2008b). The HSIU includes areas in the Town of Hurley in which environmental media may have been affected by historical operations at Chino's copper mining and processing facilities in Grant County, New Mexico, which were remediated by 2008 (Golder 2008a).

The Parking Lot Area consists of 2.5 acres bounded on the west side by a fence and located along most of the length of 1st Street in Hurley, New Mexico (Figure 3). The area is also bounded to the east mostly by the reclaimed old smelter operation and to the west by the remediated soils within the town of Hurley under the HSIU. The Parking Lot Area was part of the historic smelting operations but is no longer utilized for parking. A freshwater pipeline corridor is the only infrastructure utilizing the site. The area has been considered a part of the Hurley Operational Area to be addressed under the Discharge Permit 1340 Closure Plan. The soils of these 2.5 acres are impacted by the historic Hurley operations but are encircled by these remediated and reclaimed acres except where bounded to the north and northeast by the operations security gate complex. Chino proposed to remove impacted soils, under an IRA, from this narrow site between the east and west remediated areas. As discussed above, the IRA was performed following general procedures established in the HSIU IRAWP and modified to fit the parking lot using specific procedures in the STSIU IRAWP (Arcadis 2007), which was implemented for the STSIU Golf Course IRA (Arcadis 2009) and the STSIU B Ranch IRA (Arcadis 2021). These STSIU locations also had the goal of removing surface soil in which soil copper concentrations sieved at 250 µm were greater than the HSIU RAC of 5,000 ppm to be protective for human risk exposure. Based only on the two pre-removal samples available in the northern portion of the Parking Lot Area that showed copper exceeding 5,000 ppm in the top inch of soil, the entire Parking Lot Area was pro-actively targeted for remediation and confirmation sampling based on its proximity to the reclaimed smelter facility and bounded by the remediated residential properties in Hurley which defined size and shape shown in Figure 3. Section 3.4 discusses how the 5,000 ppm criteria objective was met and the confirmation sample results.

3 INTERIM REMOVAL ACTION SUMMARY

This section describes completed construction activities associated with the Parking Lot IRA.

3.1 Removal Action Implementation Team

The following parties fulfilled the requirements of the project roles and responsibilities:

- Owner: Chino as the Owner performed the excavation work.
- Design Engineer: Arcadis was the Design Engineer.
- Field & Quality Assurance (QA) Engineer: Telesto was on site as the Field Engineer.
- X-Ray Fluorescence (XRF) Technician: Telesto provided the XRF Technician.
- Quality Assurance Lab: SVL Analytical was used for processing split samples.

3.2 Pre-Excavation Activities

A construction equipment staging area and supply laydown area were established before beginning excavation. Wheel decontamination areas employed dry decontamination methods for vehicles exiting the site that may have been in contact with impacted soils. Old fence lines that partitioned the parking lot were removed. As a former parking lot, very little vegetation was present and was removed with the soil excavation.

3.2.1 Permitting Activities

Chino Mines Blue Stake performed a utility locate to identify any buried utilities in the proposed excavation areas. Pursuant to Discharge Permit (DP) 526, Condition No. 5, Chino requested permission from NMED on January 16, 2026 to place an estimated 3,500 cubic yards of excavated material from the Parking Lot Area on the West Stockpile; NMED approved this request on January 21, 2026.

Before, during, and after the work, perimeter best management practices (BMPs) were installed, inspected, and managed per site requirements.

3.3 Excavation Activities

The excavation area was considered to include all surface soils within the parking lot (Figure 3). Excavation of the old smelter- and concentrator-impacted soils was accomplished using heavy equipment to scrape and remove surficial soils. As a starting point for the excavation, the top 6 inches of the parking lot area were removed prior to performing the focused excavation. In accordance with the STSIU IRAWP (Arcadis 2007), additional soil was then excavated in 2-inch intervals until XRF results were observed to be within the removal criteria or resistance was met in a clay barrier (caliche) underlying soils at the site. As discussed in Section 3.5, excavation areas were later backfilled with at least 6 inches (at most 12 inches) of clean material from Borrow Area B located west of reclaimed Tailing Ponds 1 and 2 (see Figure 1) and graded to promote positive drainage (i.e., no sinks or low points). Chino used a Caterpillar D6K Dozer for soil removal and 740-size articulated haul trucks for haulage, with a 50-ton capacity. Borrow Area B as a clean backfill source is characterized in the Borrow and Cover Design Report, Chino Tailing Reclamation (Golder 2007). Approximately 2,388 cubic yards of soil (2,627 tons) were removed from the 2.5-acre area, with removal depths ranging from 0 to 2 inches (see Table 1 of Appendix B) below the initial 6-inch

removal. Soil removed during the excavation was staged near the Parking Area utilizing BMPs and later the 2,627 tons of material was removed with large capacity Haul Trucks to the West Stockpile location designated for these soils and reported under DP 526 as discussed in the previous section.

Visible dust and wind erosion produced by excavation was minimized using water trucks to spray the excavation area, temporary stockpiles, and haul roads during soil removal.

3.4 Post-Removal Confirmation Sampling

Following the STSIU IRAWP grid sampling methods, and the grid pattern established for the B Ranch IRA (Arcadis 2021), a grid sample pattern of 46.3 feet was adopted for XRF confirmation sampling of the Parking Lot Area, which resulted in a grid of 51 samples (Figure 3). This pattern is also similar to the 40-foot sample grid used in the HSIU IRA (Golder 2008a) for areas with expected copper concentrations between 3,000 and 5,000 milligrams per kilogram (mg/kg). Because removal was only in the Parking Lot Area, no post-removal confirmation sampling was conducted outside the Parking Lot Area.

Before starting the first round of XRF confirmation sampling, 6 inches of soil were excavated across the entire Parking Lot Area. Confirmation sampling at locations on the grid using XRF was conducted in soil that was 0 to 1.5 inch bgs after excavation but before cover placement to evaluate if further excavation was needed. Based on the differences between XRF and laboratory copper concentrations of the large number of samples evaluated for the Hurley IU IRA (Golder 2006), it was determined that a correction factor of plus/minus 500 ppm should be applied to this field screening against the 5,000 ppm criteria to account for the XRF tolerances, sieve size differences, and reporting in wet weight. This adjustment reduced the criteria to 4,500 ppm to be conservative and ensure the remediation removed risk. Consistent with the methods used for the B Ranch IRA, the larger 2,000 µm fraction sieve, rather than the 250 um fraction sieve usually used to evaluate data against the residential human health criteria, was used in the field. The larger fraction was used to expedite results in order not to have equipment on stand-by, especially with the more limited removal surface area of the Parking Lot Area as compared to other earlier larger IRA sites. The XRF sampling methods are described in detail in the Quality Assurance Report in Appendix B.

Where samples exceeded the target cleanup level of 4,500 ppm (8 of the 51 samples), an additional 2 inches of soil was scraped, followed by another round of confirmation sampling at the same grid node as the original sample (following methods in the STSIU IRAWP [Arcadis 2007]). This procedure continued until all sample results were below the target cleanup level of 5,000 ppm (4,500 ppm under XRF calibration testing limits) or until the excavation reached the caliche barrier underlying soils at the site (29 of 51 samples reached this barrier and one reached a freshwater pipeline; Table 2). The post removal/confirmation result for the final pass for each sample location is provided in Table 2. After the final pass, seven of the 51 samples (14 percent) still exceeded 4,500 ppm because further excavation in these locations was impeded by the resistant caliche layer or a freshwater pipeline (see discussion below detailing these locations). Nonetheless, the site was later covered with at least 6 inches of clean material, which ensures it meets human health criteria.

The number of samples on the grid (51) was evaluated to determine the accuracy and precision of the results using sample size equations. A minimum sample size of 44 with no more than 0.5 percent exceedances is required to provide the desired 95 percent confidence that 95 percent of the excavated area sampled will be below the cleanup target, as shown in Table 1 following United States Environmental Protection Agency (USEPA)

(1989).[1] The observed exceedance rate was greater than 0.5 percent with the 51 samples (observed rate was 14 percent). Because 51 samples exceed the 44 samples needed for accuracy, there is high confidence the desired 5 percent or less non-exceedance coverage rate (assumed achieved percentage with infinite samples) was not achieved. These exceedances, however, which were in caliche or taken at the depth of the freshwater pipeline, disappeared after covering the site with at least 6 inches of clean material to meet the human health criteria target of 5,000 ppm (or 4,500 ppm target using XRF).

To further evaluate the quality of the data (as was done for B Ranch, Arcadis 2021) and appropriateness of using the 4,500 ppm threshold to represent the residential human health pre-FS RAC when measured using XRF, a regression was developed between the XRF and laboratory results, following EPA 6200 methods (USEPA 2007). This regression allows the XRF data to be corrected to more closely match lab results and determine how many of the caliche/waterline areas would still have exceedances after XRF data corrections.

Following EPA 6200 for development of a regression to correct XRF data, five percent of the XRF samples were split and one of each split sample was sent for laboratory analysis. The laboratory results (in Appendix A) were compared to their corresponding XRF measurements using a least squares linear regression analysis to evaluate how well the XRF results predict the laboratory results. The paired laboratory and XRF copper dataset consisted of four pairs of split samples; the split data are provided in Table 3 with their relative percent differences (RPD). One sample had a high and unreliable RPD (62 percent), and none of the four samples captured the higher range of concentrations; thus, the four samples were combined with the larger paired sample dataset used for the B-Ranch Completion Report regression, rather than using the four pairs of split samples alone to develop a regression.[2]

The combined copper data were transformed to meet the assumptions of the regression analysis, including normality and homogeneity of variance, using natural log transformations of the soil concentration data. EPA 6200 recommends the data be log-transformed before conducting the linear regression if the concentrations span more than one order of magnitude, which they do. The linear regression analysis on the transformed data resulted in a correlation coefficient (r) of 0.982 (Figure 4), which is higher than the 0.7 or greater recommended in EPA 6200. The regression was then used to generate predicted laboratory analytical data from XRF data for the remainder of the dataset for which only XRF data were collected (Table 2). This analysis indicated the XRF results are biased high when compared to their laboratory equivalent concentrations. A 4,500 ppm XRF value employed in the field would actually be only 3,669 ppm in the laboratory, and an XRF concentration greater than 6,176 ppm would result in a predicted laboratory concentration of 5,000 ppm, using the soil fraction from a 2,000 µm sieve. However, the threshold criterion of 5,000 ppm is based on using a 250 µm sieve. The calculation to adjust the lab-predicted (corrected XRF result) sieved 2,000 µm soil fraction copper concentrations to the human health risk size fraction of 250 µm is as follows (from B Ranch Completion Report [Arcadis 2021]):

- Cu Concentration at 250 µm=$e^{0.624}$*[Cu concentration at 2,000 µm]$^{0.925}$

[1] A minimum of 44 samples with less than 0.5 percent of samples exceeding the threshold provides confidence that 95 percent of the locations are below 5,000 mg/kg, using Table A.8 in EPA (1989) with a beta of 0.2 for power and alpha of 0.05 for the 95 percent confidence level.
[2] Typically, one would not combine data from two sites because each XRF unit is calibrated, and the results can vary by each piece of equipment. However, the data were combined because the period between B-Ranch and the Parking Lot IRAs was relatively short, and the four data points were not outliers on the B ranch regression; they appeared to be a good fit.

Applying this equation to the 2,000 µm sieved XRF-based 6,176 ppm threshold changes it to the fully corrected XRF-based threshold of 5,990 ppm using a 250 µm sieve, which represents the human health 5,000 ppm threshold criteria when comparing to XRF data.

Table 2 provides predicted laboratory analytical data, corrected using the XRF regression shown in Figure 4 (lab $Cu_i = 0.981*[XRF\ Cu_i]^{0.978}$). Since the field confirmation samples were screened to and analyzed at 2,000 µm, an additional column is included with the calculated copper concentration at the 250 µm size utilized for human health exposure. This predicted lab result column based on 250 µm is compared to the 5,000 ppm human health criteria that are also based on a 250 µm sieve.

In Table 2, it is noted that 7 sample confirmation sites were above the 4,500 ppm XRF target (bolded values). At six of these locations (locations B10, C9, K5, Q2, R1, and S1 in Figure 3), a hard caliche layer was encountered, which restricted additional digging. Additionally, location E10 was initially scraped to a depth of six inches and tested above the threshold, but due to the presence of a freshwater pipeline it was not further excavated. All seven do not represent true “soils” (are caliche dust or affected by the freshwater pipeline) and could be removed from the dataset.

When using the 5,990 ppm XRF threshold derived as equivalent to 5,000 ppm in the laboratory based on the split values regression and sieve size adjustments, only 3 samples exceeded the threshold (K5, R1, S1), and all are caliche dust. The three samples with threshold exceedances range from 6,916 to 7,380 ppm (Table 2). These three samples represent post-excavation, pre-cover placement concentrations, and are not of concern because the exceedances were not true soil and the placement of cover material over these areas removed all exceedances, as discussed below.

After removal of original soil to 6 inches or deeper to meet the human health criteria (in locations without a resistant caliche barrier or water line), a cover of at least 6 inches of clean borrow material was placed over the entire Parking Lot Area (details discussed in Section 3.5). The human health criteria of 5,000 ppm should be applied to the top inch of the soil to which humans are exposed, which became the top inch of the borrow material after cover placement. Only 13 samples of this borrow material (each with no exceedance) would be needed to confirm with 95 percent confidence that 95 percent of the cover material would be less than the threshold. The cover was not sampled after placement in the Parking Lot Area. However, Golder (2007) indicated that 37 test pits were used to characterize the Gila Conglomerate and associated soils as adequate to produce borrow materials used across the Site (Borrow Areas A to G). The BMS-1 test pit, which was sampled in four depth layers from 0 to 105 inches (Golder 2007), was in Borrow Area B, the material used at the Parking Lot Area. This test pit had pH in all layers no lower than 7.4, positive acid base accounting (ABA), and an average AB-DTPA extractable copper of 17 mg/kg (Tables 4 and 6 in Golder 2007). Even if the extractable copper is only one percent of the total copper, the total soil copper of the borrow material would still be less than the 5,000 ppm criteria. Therefore, the addition of the cover at the Parking Lot Area likely removed all copper exceedances greater than 5,000 ppm because the top inch to which humans are exposed is the top inch of the placed relatively homogenized cover material, which the borrow characterization data indicate presents no risk.

XRF and confirmation laboratory sampling was conducted in accordance with the policy, functional activities, and quality assurance/quality control (QA/QC) protocols, which are specifically stated in the RI Quality Assurance Plan (QAP; Chino 1997). Laboratory data packages are provided in Appendix A.

3.5 Post-Excavation Remediation Activities

As discussed above, following soil removal activity, the Parking Lot Area was covered and regraded with borrow source material. The cover was scarified, followed by seed application to limit erosion and provide dust control. At least 6-inches of borrow material was added to the Parking Lot Area post remediation, and up to 12-inches was added in areas where the excavation was deeper to bring the entire parking lot back to original grade. A small portion on the north side of the area has been fenced off to use as contingency for future parking. Seeding was completed via drill seeding using the approved seed mix for use under the Closure/Closeout Plan (CCP; Chino 2007) and presented in Table 4. The restored areas will be monitored following restoration and establishment of vegetation per the CCP (Chino 2007), as described in Section 5.

4 CONSTRUCTION DOCUMENTATION AND QUALITY ASSURANCE

The following Construction Documentation and Quality Assurance components utilized during the project are provided below.

- As described in Section 3.4, a regression analysis was completed using the split sample laboratory results and their corresponding XRF measurements to evaluate how the XRF results correlated with the laboratory results. This analysis indicated that the 4,500 ppm XRF value employed in the field to decide whether to continue excavation yielded a conservative decision result.
- The Quality Assurance Report prepared by the consultant who provided oversight of the work is included in Appendix B.
- Air quality monitoring performed to ensure compliance with air quality limits provided in the HASP is documented in Appendix C; Water truck source water quality data is provided in Appendix D.
- Chino defines this IRA as successful in meeting the AOC objectives, especially because the clean-up and analysis methods went beyond pre-FS RAC requirements, which only require soil concentrations be less than 5,000 ppm in the top 0-1 inch bgs layer. Specifically, per the two bullets below,
    - residential human health criteria were conservatively applied to a vacant empty lot area (non-residential criteria are much higher), and
    - both the top inch of the soil cover and the true soils (excluding caliche dust and pipeline affected samples) beneath the six-inch cover met the human health criteria after 6 inch or greater excavations of the original soil.

5 POST-CONSTRUCTION MONITORING

Quarterly inspections for erosion and dust suppression will be conducted for 4 years following seeding to confirm that vegetation is sufficiently established. After the fourth year of monitoring, Chino will submit a vegetation monitoring report to NMED with recommendations to either continue or cease monitoring, based on vegetation success, following methods similar to those used in Arcadis (2014). Chino does advise here that the Hurley Parking Lot area may be accessed with equipment for any maintenance on the fresh water pipelines and may be used in the future for staging of project materials or equipment due to its location within the Hurley Operations boundary.

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Tables

Table 1
Input Parameters for Sample Size Determination
Parking Lot Interim Removal Action
Freeport-McMoRan Chino Mines Company
Vanadium, New Mexico

Parameter	Value	Description	Note
A	0.05	False positive rate, gives 95% confidence.	5% chance of concluding area is clean when it is really still contaminated.
B	0.2	False negative rate.	80% chance of concluding area is clean when it really is clean.
P_0	0.005	Target percentage goal.	Conclude area is clean if less than 0.5% of samples exceed 5,000 mg/kg.
P_1	0.05	Assumed achieved percentage.	Assumed percent of samples exceeding goal of 5,000 mg/kg achieved after excavation.
n_d	**44**	**Minimum number of samples required.**	**Calculated value.**

Equation (7.1) from USEPA (1989)

$$n_d = \left[\frac{z_{1-\beta}\sqrt{P_1(1-P_1)} + z_{1-\alpha}\sqrt{P_0(1-P_0)}}{P_0 - P_1} \right]^2$$

Where

- n_d = minimum number of samples required
- $z_{1-\alpha}$, $z_{1-\beta}$ = critical values from the standard normal distribution corresponding to probabilities $1-\alpha$ and $1-\beta$
- P_0 = target percentage goal
- P_1 = assumed achieved percentage

mg/kg = milligrams per kilogram
USEPA = United States Environmental Protection Agency

Table 2
XRF Results Summary
Parking Lot Interim Removal Action
Freeport-McMoRan Chino Mines Company
Vanadium, New Mexico

ARCADIS

Analyte		Measured Copper	Calculated Copper	Calculated Copper
Soil Fraction		< 2000 µm	< 2000 µm	< 250 µm[b]
Criteria to Compare After Adjusted for Soil Fraction and XRF Correction		5,990	5,080	5,000
Units		mg/kg		mg/kg
Sample Location ID	Barrier Met?	XRF Result	Predicted Lab Result (XRF-corrected)[a]	Predicted Lab Result (XRF-corrected)
A9	yes, caliche	3,340	2,737	2,821
B10	yes, caliche	**4,570**	3,719	3,747
B8	yes, caliche	1,760	1,463	1,581
B9		4,080	3,328	3,381
C8		3,670	3,001	3,072
C9	yes, caliche	**4,660**	3,790	3,813
D8	yes, caliche	191	167	212
D9	yes, caliche	1,630	1,357	1,475
E10	yes, water pipe	**5,380**	4,362	4,342
E7	yes, caliche	2,200	1,820	1,934
E8		1,500	1,251	1,368
E9	yes, caliche	254	220	274
F10		2,100	1,739	1,854
F11		1,350	1,129	1,243
F7		676	574	665
F8		435	373	446
F9		531	453	535
G10		194	169	215
G6	yes, caliche	3,300	2,705	2,791
G7		1,100	924	1,033
G8		1,500	1,251	1,368
G9		155	136	176
H6	yes, caliche	1,993	1,652	1,769
H7	yes, caliche	231	201	252
H8	yes, caliche	600	511	597
H9		1,040	875	982
I5		3,600	2,945	3,019
I6	yes, caliche	2,140	1,771	1,886
I7	yes, caliche	878	741	843
I8	yes, caliche	1,260	1,055	1,168
I9	yes, caliche	1,369	1,144	1,259
J5	yes, caliche	1,507	1,257	1,374
J6	yes, caliche	982	827	932
J7		556	474	557
J8		1,120	940	1,050
K4		2,339	1,932	2,044
K5	yes, caliche	**9,000**	**7,214**	**6,916**
K6		1,700	1,414	1,532
K7	yes, caliche	3,270	2,681	2,768

Table 2
XRF Results Summary
Parking Lot Interim Removal Action
Freeport-McMoRan Chino Mines Company
Vanadium, New Mexico

Analyte		Measured Copper	Calculated Copper	Calculated Copper
Soil Fraction		< 2000 µm	< 2000 µm	< 250 µm[b]
Criteria to Compare After Adjusted for Soil Fraction and XRF Correction		5,990	5,080	5,000
Units		mg/kg		mg/kg
Sample Location ID	Barrier Met?	XRF Result	Predicted Lab Result (XRF-corrected)[a]	Predicted Lab Result (XRF-corrected)
L4	yes, caliche	680	577	669
L5	yes, caliche	1,340	1,121	1,235
L6		656	557	647
M4	yes, caliche	1,960	1,625	1,742
M5	yes, caliche	216	188	237
N3	yes, caliche	3,760	3,073	3,140
N4		384	330	399
O3	yes, caliche	414	355	427
P2		598	509	595
Q2	yes, caliche	**4,540**	3,695	3,724
R1	yes, caliche	**9,220**	**7,387**	**7,068**
S1	yes, caliche	**9,670**	**7,739**	**7,380**

Notes:

[a]Data collected using XRF were corrected to predicted laboratory analytical data using regression equations based on subsets of the B-Ranch and Parking Lot samples analyzed by a laboratory. The regression equation used was lab $Cu_i = 0.981(XRF\ Cu_i)^{0.978}$.

[b]Calculation to adjust sieved 2000 micron (um) soil fraction copper concentrations to the human health risk size fraction of 250 um: $Cu_{250}=EXP(0.624)*[Cu_{2000}]^{0.925}$

> 4,500 in bold in XRF column = exceeded threshold before 6 inches of cover added.
>Criteria in bold and highlighted gray = Analytical results exceeded cleanup level before 6 inches of cover added.
mg/kg = milligrams per kilogram
XRF = x-ray fluorescence

Table 3
Split Sample Results
Parking Lot Interim Remedial Action
Freeport-McMoRan Chino Mines Company
Vanadium, New Mexico

Location ID	Laboratory Sample ID	Sample Date	Copper SVL mg/kg	Copper XRF mg/kg	Copper RPD (%)
E9	X6B0244-04	1/21/2026	254	254	0.0
G8	X6B0244-02	1/22/2026	1,340	1,500	11.3
H7	X6B0244-01	1/15/2026	218	231	5.8
L5	X6B0244-03	1/14/2026	703	1,340	62.4
Summary Statistics					
				Minimum	0.0
				Maximum	62.4
				Average	19.9
				Median	8.5
				Number of RPDs above 20%	1

Notes:
mg/kg = milligrams per kilogram
ID = identification
SVL = SVL Analytical Lab
XRF = x-ray fluorescence
RPD = relative percentage difference

Table 4 Seed Mix
Parking Area Interim Remedial Action
Freeport-McMoRan Chino Mines Company
Vanadium, New Mexico

Species[a]	Life-Form	Duration[b]	Seasonality	Rate[a,c]
Primary				
Blue grama (*Bouteloua gracilis*)	Grass	Per	Warm	0.50
Side-oats grama (*Bouteloua curtipendula*)	Grass	Per	Warm	1.50
Black grama (*Bouteloua eriopoda*)	Grass	Per	Warm	0.10
Green sprangletop (*Leptochloa dubia*)	Grass	Per	Warm	0.25
Plains lovegrass (*Eragrostis intermedia*)	Grass	Per	Intermediate	0.05
Apache plume (*Fallugia pardoxa*)	Shrub	Per	NA	0.10
Mountain mahogany (*Cercocarpus montanus*)	Shrub	Per	NA	1.50
Winterfat (*Eurotia lanata*)	Shrub	Per	NA	1.00
White prairie clover (*Dalea candida*)	Shrub	Per	NA	0.25
Globe mallow (*Sphaeralcea sp.*)	Forb	Per	NA	0.10
Blue flax (*Linum lewisii*)	Forb	Per	NA	0.25
Total PLS (lb/ac)				**5.60**
Alternate				
Sand dropseed (*Sporobolus cryptandrus*)	Grass	Per	Intermediate	ND
Tobosa (*Hilaria mutica*)	Grass	Per	Warm	ND
Bush muhly (*Mohlenbergia porteri*)	Grass	Per	Warm	ND
Squawberry (*Rhus trilobata*)	Shrub	Per	NA	ND
Fourwing saltbush (*Atriplex canescens*)	Shrub	Per	NA	ND
Prairie coneflower (*Ratibida columnaris*)	Forb	Per	NA	ND
White sweet clover (*Melilotus alba*)	Forb	Ann	NA	ND

Notes:
[a] Seed mix and rates are subject to change
[b] Per – Perennial; Ann = Annual
[c] Rate is in pounds of pure live seed per acre; substitutions may change seeding rates
lb/ac = pounds per acre
NA = Not applicable
ND = Not determined
PLS = Pure live seed

Figures

OFFICE: LAKEWOOD DB: MEB PM: MEB PIC: AT
PROJECT# 30006788 - B0063543.0023
T:_ENV\Chino\2026\APRX\Hurley Parking Lot Completion Report\Hurley Parking Lot Completion Report.aprx

Service Layer Credits: Counties:
USA States Generalized: Sources: Esri; U.S. Department of Commerce, Census Bureau; U.S. Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), National Geodetic Survey (NGS)
World Imagery: Earthstar Geographics

N

152
80
356

SANTA CLARA
BAYARD
HURLEY

WEST STOCKPILE
SANTA RITA OPEN PIT
LAMBRIGHT STOCKPILE
SOUTH STOCKPILE

HANOVER-WHITEWATER CREEK

Hurley Parking Lot Removal Action Area

BORROW AREA B

TAILING POND B
TAILING POND 4
TAILING POND 6E
TAILING POND 6W
TAILING POND 7

LAMBRIGHT DRAW

SILVER CITY GRANT COUNTY AIRPORT

NEW MEXICO
Area Enlarged

LEGEND

- HURLEY PARKING LOT INTERIM REMOVAL ACTION AREA
- HANOVER-WHITEWATER CREEK CENTERLINE
- BORROW AREA B
- STOCKPILES
- CITY AREAS
- MAJOR ROADS
- RAILROAD
- TOWN ROADS

0 0.25 0.5 0.75 1 MILES

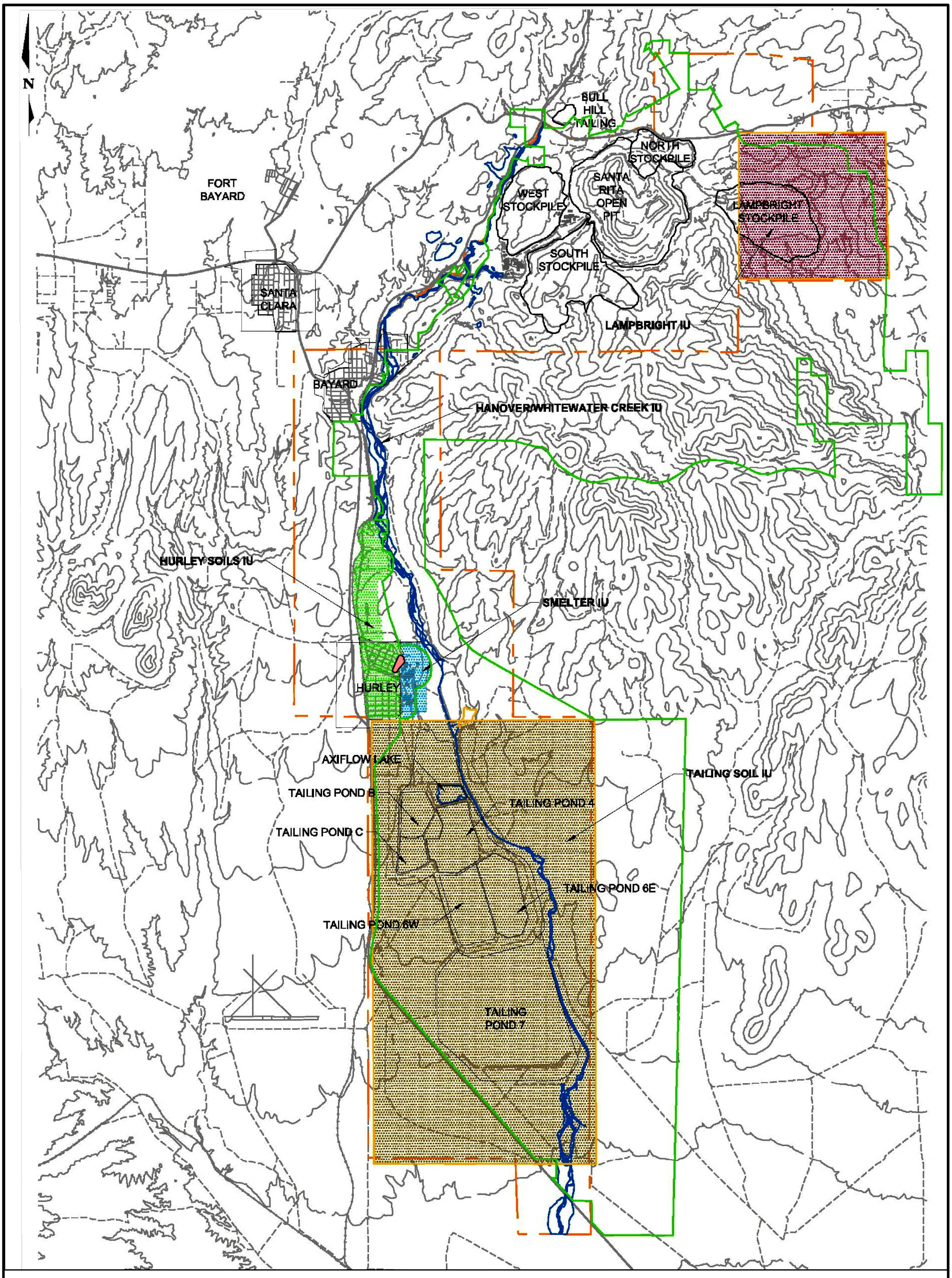
FREEPORT-MCMORAN CHINO MINES COMPANY
VANADIUM, NEW MEXICO
HURLEY PARKING LOT INTERIM REMOVAL ACTION - HURLEY SOILS IU

SITE OVERVIEW

ARCADIS

FIGURE 1

OFFICE: LAKEWOOD DB: MEB PM: MEB PIC: AT
PROJECT# 30006788 - B0063543.0023
T:_ENV\Chino\2026\APRX\Hurley Parking Lot Completion Report\Hurley Parking Lot Completion Report.aprx



LEGEND

- HANOVER/WHITEWATER INVESTIGATION UNIT AREA
- CHINO MINE PERMIT BOUNDARY
- AOC BOUNDARY (SUBJECT TO REVISION AS NEEDED TO IDENTIFY NATURE AND EXTENT)
- HURLEY PARKING LOT INTERIM REMOVAL ACTION AREA
- HURLEY SOIL INVESTIGATION UNIT AREA
- LAMPBRIGHT INVESTIGATION UNIT AREA
- SMELTER INVESTIGATION UNIT AREA
- TAILING SOIL INVESTIGATION UNIT AREA

0 0.5 1 1.5 2 MILES

FREEPORT-MCMORAN CHINO MINES COMPANY
VANADIUM, NEW MEXICO
HURLEY PARKING LOT INTERIM REMOVAL ACTION - HURLEY SOILS IU

AOC INVESTIGATION AREA

ARCADIS

FIGURE 2



LEGEND

- HURLEY SOILS INVESTIGATION UNIT IRA
- RECLAIMED SMELTER OPERATIONS
- HURLEY PARKING LOT INTERIM REMOVAL ACTION AREA

COPPER - FINAL CONFIRMATION SAMPLES (XRF)

- 101 - 1000 PPM
- 1001 - 1600 PPM
- 1601 - 4500 PPM
- > 4500 PPM

GRAPHIC SCALE

0 200 400

Scale in Feet

Layers: Arcadis. 2009. Chino Mines Company Smelter/Tailings Soil Investigation Unit Interim Removal Action Completion Report. March 10, 2009

Aerial, 2020: World Imagery: Microsoft, Vantor

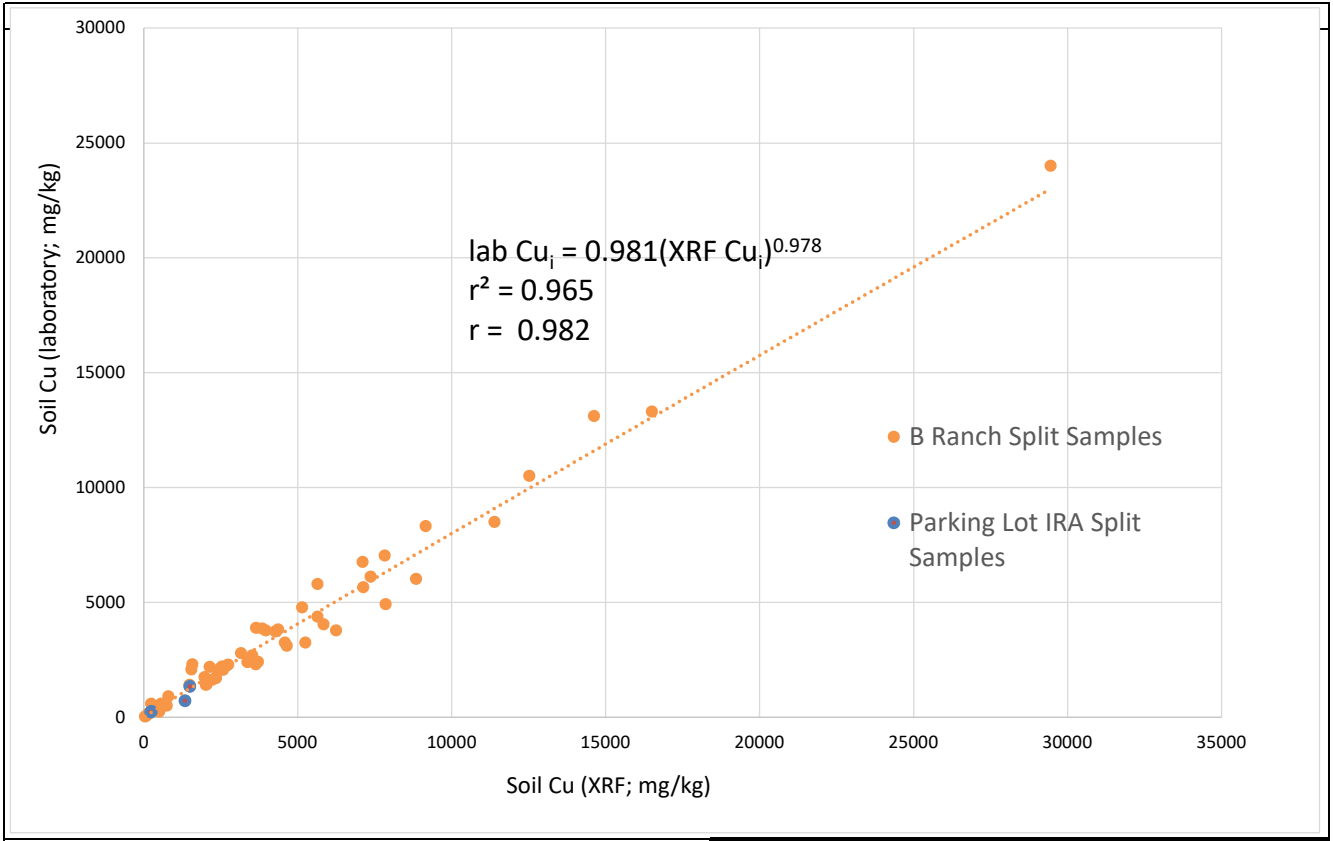
FREEPORT-MCMORAN CHINO MINES COMPANY
VANADIUM, NEW MEXICO
HURLEY PARKING LOT INTERIM REMOVAL ACTION - HURLEY SOILS IU

PARKING LOT REMOVAL AREA AND XRF CONFIRMATION SAMPLING

ARCADIS

FIGURE 3

CITY: Broomfield PIC: AT PM: MEB TM: TR: MEB
Project #B0063543.0023
Document Path: T:_ENV\Chino\2026\APRX\Hurley Parking Lot Completion Report\Hurley Parking Lot Completion Report.aprx



Notes:
Copper data were transformed to meet the assumptions of the regression analysis, including normality and homogeneity of variance, using natural log transformations of the soil concentration data. Parking Lot Split Sample Concentrations are shown in Table 3. B Ranch Split Sample Concentrations are in Table 3 of the B Ranch Completion Report (Arcadis 2021). Note that the B Ranch report removed one sample (B-146) as an outlier, which was also removed in this regression.

Cu = copper
mg/kg = milligrams per kilogram
XRF = x-ray flouresence

FREEPORT-MCMORAN CHINO MINES COMPANY
VANADIUM, NEW MEXICO

PARKING LOT INTERIM REMOVAL ACTION

Regression for XRF Correction

ARCADIS

FIGURE
4

Appendix A

Laboratory Data Packages

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Chino Mines	**Project Name: Chino Mines AOC**
PO Box 10	Work Order: **X6B0244**
Bayard, NM 88023	Reported: 05-Mar-26 13:39

ANALYTICAL REPORT FOR SAMPLES COC Number: 20260211

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
H7 0"	X6B0244-01	Soil	15-Jan-26 13:35	CC	18-Feb-2026	
G8 0"	X6B0244-02	Soil	22-Jan-26 13:23	CC	18-Feb-2026	
L5 0"	X6B0244-03	Soil	14-Jan-26 14:32	CC	18-Feb-2026	
E9 0"	X6B0244-04	Soil	21-Jan-26 12:52	CC	18-Feb-2026	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X6B0244

The state of origin only accredits for drinking water analyses.

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(208) 784-1258
www.svl.net

Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **H7 0"**
SVL Sample ID: **X6B0244-01 (Soil)**

Sampled: 15-Jan-26 13:35
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	218	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:09	
EPA 6010D	**Iron**	20000	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:19	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **G8 0"**
SVL Sample ID: **X6B0244-02 (Soil)**

Sampled: 22-Jan-26 13:23
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	1340	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:12	
EPA 6010D	**Iron**	22300	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:21	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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www.svl.net

Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **L5 0"**
SVL Sample ID: **X6B0244-03 (Soil)**

Sampled: 14-Jan-26 14:32
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	703	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:16	
EPA 6010D	**Iron**	21400	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:24	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **E9 0"**
SVL Sample ID: **X6B0244-04 (Soil)**

Sampled: 21-Jan-26 12:52
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	254	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:20	
EPA 6010D	**Iron**	21500	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:26	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals by EPA 6000/7000 Series								
EPA 6010D	Copper	mg/kg	<1.00	0.32	1.00	X610064	04-Mar-26	
EPA 6010D	Iron	mg/kg	<20.0	6.6	20.0	X610064	04-Mar-26	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals by EPA 6000/7000 Series									
EPA 6010D	Copper	mg/kg	91.5	100	91.5	80 - 120	X610064	04-Mar-26	
EPA 6010D	Iron	mg/kg	980	1000	98.0	80 - 120	X610064	04-Mar-26	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	Copper	mg/kg	111	16.1	102	92.7	75 - 125	X610064 - X6B0239-01	04-Mar-26	
EPA 6010D	Iron	mg/kg	19900	18500	1000	0.30R>S	75 - 125	X610064 - X6B0239-01	04-Mar-26	M3

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	Copper	mg/kg	114	111	102	2.2	20	95.0	X610064 - X6B0239-01	
EPA 6010D	Iron	mg/kg	20000	19900	1000	0.5	20	0.30R>S	X610064 - X6B0239-01	M3

Qualitiy Control - SERIAL DILUTION Data

Method	Analyte	Sample Result	Serial Dilution Result	RPD	Q	QC Limits	Batch and Source ID	Notes
Metals by EPA 6000/7000 Series								
EPA 6010D	Iron	19900	19800	0.3		20	X610064 - MS1	

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Freeport McMoRan - Chino Mines	**Project Name: Chino Mines AOC**
PO Box 10	Work Order: **X6B0244**
Bayard, NM 88023	Reported: 05-Mar-26 13:39

Notes and Definitions

M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Appendix B

Quality Assurance Report

Confirmation Sampling Report:
Hurley Parking Lot Soil Removal
Hurley Soils Investigation Unit, Chino AOC

Prepared for:

Freeport-McMoRan Chino Mines Company
99 Santa Rite Mine Road
Vanadium, New Mexico 88023

Prepared by:

Telesto Solutions Inc.
750 14th Street SW
Loveland, Colorado 80537

May 2026

TELESTO
SOLUTIONS • INCORPORATED

Signature Page

Confirmation Sampling Report:
Hurley Parking Lot Soil Removal
Hurley Soils Investigation Unit, Chino AOC

May 2026

Report Authors and Contributors

Telesto Solutions, Inc.

Ethan Hopwood – Primary Author

Connor Cole – Report Review

Contributors:

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Chris Durrant

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Appendix C NIST Standards Form

1.0 INTRODUCTION

Freeport-McMoRan Chino Mines Company (Chino) conducted soil removal as part of a remedial action in accordance with the Chino Administrative Order on Consent (AOC). The removal area is located adjacent to the filter plant and the old smelter site in Hurley, New Mexico (Figure 1). The goal of removal was to ensure that copper concentration in remaining soils/surfaces was below the remedial action criteria of the human health risk standard of 5,000 parts per million (ppm = mg/kg).

Chino contracted Telesto Solutions, Inc. (Telesto) to monitor removal performance using in-situ x-ray fluorescent spectroscopy (XRF) to determine if the copper concentration in the remaining soil was below the residential human health risk threshold. This report presents the methodology, results, and conclusions for soil sampling.

2.0 BACKGROUND

The Hurley Parking Lot removal action was completed as part of the Hurley Soils Investigation Unit (HSIU) in accordance with the Chino AOC. This area was previously used as a parking lot facility to support smelter operations with copper impacts attributed to historic smelter operations and windblown concentrate originating from historic milling operations.

3.0 METHODS

3.1 Excavation Monitoring

Soil test locations for confirmation sampling were based on the statistical grid method used for the Smelter Tailing Soils Investigation Unit (STSIU) 2007 Interim Remedial Action (IRA) workplan. This method was previously implemented within the B-Ranch IRA, completed in 2019. Figure 1 shows the 51 sampling locations.

To remediate elevated copper concentrations in the parking lot soils, Chino initially removed soil to a depth of six inches. The parking lot soils were ripped, scraped, and then

stockpiled for subsequent removal. With the upper six inches removed, testing for copper concentration was done with a Niton XL5 Plus Handheld Spectrometer following a modified version of the EPA 6200 *Field Portable X-Ray Fluorescence Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment* standard.

Telesto tested each location using the following procedure:

- XRF calibration checked if machine powered off since last test
- Geolocated test sites with Google Earth (Figure 1)
- Excavated soil within a depth of 0 to 1.5 inches in a roughly 10 inch-square area with a spade shovel, gathering approximately 320 grams of soil
- Samples were passed through a clean No. 10 sieve into a gallon Ziploc bag denoted with the sample ID and date. Coarse particles retained by the sieve were discarded on site
- Each bagged sample was photographed with a location and time stamp (Appendix B)
- The bagged sample was thoroughly shaken to homogenize collected soil
- An 18 fluid ounce, new, and clean polyethylene cup was filled to approximately 12 fluid ounces of mixed soil and lightly compacted (the bag retained approximately half of the original sample after splitting)
- The XRF analyzer was placed directly on the soil and scanned for 15 seconds to determine if the copper content met the criteria
- After each scan, the face of the XRF analyzer was brushed off
- Soil samples were never directly contacted by the samplers and hand washing was done between samples
- The sieve and shovel were brushed off between samples
- Results of each test were saved digitally within the analyzer and recorded in the Telesto logbook
- All bagged samples collected were brought back to the Telesto office, where they were locked in a climate-controlled room, out of direct sunlight and later given to Chino for archiving

XRF testing targeted a copper concentration threshold of ≤ 4,500-ppm, in concurrence with the New Mexico Environment Department (NMED) and based on the Golder (2008) Completion Report (Appendix F). If a sample exceeded this threshold, approximately two inches of additional soil was removed from the testing area. The sampling procedure was then repeated until concentrations dropped below the limit or the caliche barrier (resistance) was met. Once the threshold or resistance was met, the depth was recorded, the area was further excavated to this depth, and a final confirmation sample was collected.

Areas with copper concentrations below the 4,500-ppm threshold were considered remediated. Appendix A presents the concentration results for each test location at the final depth.

3.2 Quality Control

Calibration checks were performed using a National Institute of Standards and Technology (NIST)–traceable standard supplied by the instrument manufacturer, containing a certified copper concentration of 50.8-ppm (Appendix C). Instrument calibration was considered acceptable if the measured copper concentration for the standard was within ±20% of the certified value, corresponding to the manufacturer-specified analytical uncertainty for the XRF analyzer.

XRF sample splits from the soil samples were double-bagged in clean, unused, zippered plastic bags and provided to Chino for archival purposes. The splits were stored in plastic storage bins within a locked laboratory Connex located on mine property. Four splits were submitted to SVL Analytical, Inc. (SVL), subcontracted by Chino, for confirmation analysis (Appendix A). Shipment to SVL was coordinated by Chino environmental personnel, who packaged the samples in a cooler, completed and signed the chain-of-custody form, sealed the cooler, and shipped the samples via United Parcel Service (UPS).

Iron was not a constituent of concern during removal activities, but laboratory analysis of iron was also conducted to characterize background matrix conditions and assess potential absorption effects on copper XRF measurements.

4.0 RESULTS

With the removal of the initial six inches of soil, 29 of the sample locations were at the caliche barrier (resistance). Of the 29 sample locations, six tested above the adjusted criteria of 4,500-ppm copper (Table 1, highlighted values). Location E10 was initially scraped to a depth of six inches and tested above the threshold, but due to the presence of a freshwater line it was not further excavated.

Laboratory confirmation sample results from locations H7, G8, and E9 indicated copper concentrations that were 6.4%, 14%, and 0.6% lower, respectively, than field measurements while sample L5 had a laboratory concentration approximately 90% lower than the corresponding XRF result (Appendix A).

5.0 CONCLUSION

Field testing using the XRF analyzer indicates that all test locations were below the copper concentration threshold or at the caliche barrier, except for the previous mentioned location E10. The large discrepancy of the XRF reading compared with the lab result for sample L5 was likely due to sample heterogeneity. Additionally, Chino placed a 6-to-12-inch cover of unimpacted soil across the entire parking lot, further limiting potential exposure under normal land-use conditions.

6.0 REFERENCES

Recovery, U. E., OSWER, Office of Resource Conservation and. (n.d.). *Method 6200: Field Portable X-Ray Fluorescence Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment, part of Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*.

Golder, 2008. *Completion Report for the Interim Remedial Action at the Hurley Soils Investigation Unit, Hurley, New Mexico*. Prepared for Chino Mines Company, April 18, 2008.

ARCADIS, 2007. *Administrative Order on Consent Interim Removal Action Work Plan Smelter/Tailing Soil Investigation Units.* Prepared for Chino Mines Company, November 2007

Figures



LEGEND:

- CONTOURS - USGS TOPO MAJOR (5 FT.)
- CONTOURS - USGS TOPO MINOR (1 FT.)
- FENCE LINE - EXISTING CHAIN LINK
- PIPELINE - EXISTING FRESHWATER
- BOUNDARY - TARGET AREA FOR SOIL REMOVAL
- UTILITY POLE - EXISTING
- TEST LOCATION

0 80

SCALE IN FEET

COORDINATE SYSTEM
NAD83 NEW MEXICO STATE PLANES,
WEST ZONE, US FOOT

N

PROJECT:	TASK:	DATE:	DRWN BY:
200458a	001-04	4/15/2026	EH

PREPARED BY: TELESTO SOLUTIONS INCORPORATED

FIGURE 1
SAMPLE LOCATIONS

PREPARED FOR: FREEPORT-McMoRan

Date: 4/16/2026 9:20:13 AM R:\Chino\AOC\Hurley Rail Parking\Calculations\AutoCAD\20260414 baseman.dwg Plotted By: Ethan Hopwood

Appendix A
Sample Data

Sample Testing
Summary Table

R:\Chino\AOC\Hurley_Rail_Parking\Products\Reports

PROJECT: 200458a | TASK: 001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

PREPARED FOR: FREEPORT-MCMORAN

Table 1 Sample Testing Results

Location ID	Date/Time	Photo Number	Copper Count (ppm)	Copper 2σ	Depth (in.)[1]	Latitude	Longitude	Observations
A9	Tue Jan 13, 2026 - 13:52:17	1	3340	86	0	32°42.201'N	108°7.455'W	Caliche barrier
B10	Tue Jan 13, 2026 - 14:41:43	7	4570	59	0	32°42.202'N	108°7.441'W	Caliche barrier
B8	Tue Jan 13, 2026 - 14:12:12	3	1760	31	0	32°42.199'N	108°7.456'W	Caliche barrier
B9	Tue Jan 13, 2026 - 14:32:13	6	4080	50	0	32°42.199'N	108°7.448'W	
C8	Tue Jan 13, 2026 - 15:13:50	15	3670	46	0	32°41.193'N	108°7.458'W	
C9	Tue Jan 13, 2026 - 14:59:15	12	4660	56	-2	32°42.188'N	108°7.463'W	Caliche barrier
D8	Wed Jan 21, 2026 - 13:02:25	64	191	9	0	32°42.183'N	108°7.458'W	Caliche barrier
D9	Wed Jan 21, 2026 - 13:07:21	65	1630	25	0	32°42.186'N	108°7.447'W	Caliche barrier
E10	Thu Jan 22, 2026 - 12:49:19	74	5380	50	0	32.70294	-108.12395	Freshwater line prevented further excavation
E7	Mon Jan 19, 2026 - 11:02:52	55	2200	31	0	32°42.178'N	108°7.465'W	Caliche barrier
E8	Wed Jan 21, 2026 - 12:57:19	63	1500	26	0	32°42.217'N	108°7.461'W	
E9	Wed Jan 21, 2026 - 12:52:38	62	254	11	0	32°42.178'N	108°7.446'W	Caliche barrier
F10	Thu Jan 22, 2026 - 12:37:08	72	2100	31	0	32.70293	-108.12385	
F11	Thu Jan 22, 2026 - 12:30:40	71	1350	24	0	32.70288	-108.12381	
F7	Thu Jan 15, 2026 - 14:34:23	53	676	20	0	32°42.171'N	108°7.467'W	
F8	Thu Jan 15, 2026 - 14:42:27	54	435	15	0	32°42.170'N	108°7.459'W	
F9	Thu Jan 22, 2026 - 12:44:19	73	531	15	0	32.70286	-108.12413	
G10	Thu Jan 22, 2026 - 12:24:03	70	194	10	0	32.70271	-108.12398	
G6	Wed Jan 21, 2026 - 12:26:55	61	3300	37	0	32°42.162'N	108°7.475'W	Caliche barrier
G7	Thu Jan 15, 2026 - 13:59:30	49	1100	21	0	32°42.163'N	108°7.467'W	
G8	Thu Jan 22, 2026 - 13:23:51	76	1500	26	0	32.70274	-108.12431	
G9	Thu Jan 22, 2026 - 12:18:32	69	155	10	0	32.70272	-108.12416	
H6	Thu Jan 15, 2026 - 13:28:41	45	1993	30	0	32°42.154'N	108°7.473'W	Caliche barrier
H7	Thu Jan 15, 2026 - 13:35:06	46	231	11	0	32°42.155'N	108°7.465'W	Caliche barrier

[1] 0 represents the surface after the initial six inches was excavated

Highlighted cells indicate values above the adjusted criteria

R:\Chino\AOC\Hurley_Rail_Parking\Products\Reports

PROJECT: 200458a | TASK: 001-04

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PREPARED FOR: FREEPORT-MCMORAN

Table 1 Sample Testing Results Continued

Location ID	Date/Time	Photo Number	Copper Count (ppm)	Copper 2σ	Depth (in.)[1]	Latitude	Longitude	Observations
H8	Thu Jan 22, 2026 - 13:18:31	75	600	16	0	32.70261	-108.12429	Caliche barrier
H9	Thu Jan 22, 2026 - 12:08:10	68	1040	21	0	32.7026	-108.12413	
I5	Thu Jan 15, 2026 - 14:25:00	52	3600	41	0	32°42.148'N	108°7.484'W	
I6	Thu Jan 15, 2026 - 10:55:46	41	2140	30	0	32°42.147'N	108°7.476'W	Caliche barrier
I7	Thu Jan 15, 2026 - 11:02:11	42	878	19	0	32°42.148'N	108°7.467'W	Caliche barrier
I8	Thu Jan 15, 2026 - 11:07:54	43	1260	25	0	32°42.148'N	108°7.458'W	Caliche barrier
I9	Thu Jan 22, 2026 - 11:57:26	67	1369	24	0	32°42.148'N	108°7.450'W	Caliche barrier
J5	Wed Jan 14, 2026 - 15:30:14	33	1507	24	0	32.70239	-108.1247	Caliche barrier
J6	Wed Jan 14, 2026 - 15:35:27	34	982	22	0	32.70229	-108.12457	Caliche barrier
J7	Wed Jan 21, 2026 - 12:17:55	60	556	16	0	32°42.141'N	108°7.465'W	
J8	Thu Jan 15, 2026 - 10:39:15	39	1120	21	0	32°42.140'N	108°7.457'W	
K4	Wed Jan 14, 2026 - 15:17:37	32	2339	33	0	32.7022	-108.12486	
K5	Wed Jan 14, 2026 - 15:01:39	30	9000	62	0	32.70223	-108.12474	Caliche barrier
K6	Wed Jan 14, 2026 - 14:55:26	29	1700	28	0	32.70222	-108.12459	
K7	Thu Jan 15, 2026 - 09:43:11	37	3270	37	-2	32°42.133'N	108°7.465'W	Caliche barrier
L4	Wed Jan 14, 2026 - 14:38:49	27	680	17	0	32.702076	-108.124888	Caliche barrier
L5	Wed Jan 14, 2026 - 14:32:36	26	1340	24	0	32.70213	-108.12462	Caliche barrier
L6	Wed Jan 14, 2026 - 14:48:17	28	656	16	0	32.70209	-108.1246	
M4	Wed Jan 14, 2026 - 14:17:03	24	1960	30	0	32.70191	-108.12489	Caliche barrier
M5	Wed Jan 14, 2026 - 14:25:27	25	216	10	0	32.70198	-108.12473	Caliche barrier
N3	Thu Jan 15, 2026 - 10:11:17	38	3760	39	0	32°42.109'N	108°7.503'W	Caliche barrier
N4	Thu Jan 22, 2026 - 11:45:21	66	384	14	0	32.70184	-108.12487	
O3	Wed Jan 14, 2026 - 10:47:00	21	414	18	0	32.7017	-108.12504	Caliche barrier
P2	Wed Jan 14, 2026 - 10:37:40	-	598	21	0	32.70158	-108.12518	

[1] 0 represents the surface after the initial six inches was excavated

Highlighted cells indicate values above the adjusted criteria

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PROJECT: 200458a | TASK: 001-04

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PREPARED FOR: FREEPORT-MCMORAN

Table 1 Sample Testing Results Continued

Location ID	Date/Time	Photo Number	Copper Count (ppm)	Copper 2σ	Depth (in.)[1]	Latitude	Longitude	Observations
Q2	Wed Jan 14, 2026 - 10:28:36	19	4540	51	-2	32°42.084'N	108°7.513'W	Caliche barrier
R1	Wed Jan 14, 2026 - 09:29:13	17	9220	70	0	32°42.078'N	108°7.518'W	Caliche barrier
S1	Wed Jan 14, 2026 - 13:58:42	23	9670	60	-2	32°42.072'N	108°7.520'W	Caliche barrier
Std. [2]	Tue Jan 13, 2026 - 14:23:36	-	50	8	-	-	-	
Std.	Wed Jan 14, 2026 - 08:37:09	-	57	8	-	-	-	
Std.	Wed Jan 14, 2026 - 13:42:08	-	51	6	-	-	-	
Std.	Thu Jan 15, 2026 - 09:15:28	-	54	7	-	-	-	
Std.	Thu Jan 15, 2026 - 13:22:40	-	58	7	-	-	-	
Std.	Mon Jan 19, 2026 - 10:39:13	-	54	6	-	-	-	
Std.	Wed Jan 21, 2026 - 11:42:16	-	59	7	-	-	-	
Std.	Thu Jan 22, 2026 - 11:38:29	-	56	6	-	-	-	

[1] 0 represents the surface after the initial six inches was excavated

[2] Soil standard provided by manufacturer had a copper concentration of 50.8 ppm

Highlighted cells indicate values above the adjusted criteria

R:\Chino\AOC\Hurley_Rail_Parking\Products\Reports

Laboratory Confirmatory Test Results

R:\Chino\AOC\Hurley_Rail_Parking\Products\Reports

PROJECT: 200458a | TASK: 001-04

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PREPARED FOR: FREEPORT-McMoRan

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Chino Mines	**Project Name: Chino Mines AOC**
PO Box 10	Work Order: **X6B0244**
Bayard, NM 88023	Reported: 05-Mar-26 13:39

ANALYTICAL REPORT FOR SAMPLES COC Number: 20260211

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
H7 0"	X6B0244-01	Soil	15-Jan-26 13:35	CC	18-Feb-2026	
G8 0"	X6B0244-02	Soil	22-Jan-26 13:23	CC	18-Feb-2026	
L5 0"	X6B0244-03	Soil	14-Jan-26 14:32	CC	18-Feb-2026	
E9 0"	X6B0244-04	Soil	21-Jan-26 12:52	CC	18-Feb-2026	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X6B0244

The state of origin only accredits for drinking water analyses.

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Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **H7 0"**
SVL Sample ID: **X6B0244-01 (Soil)**

Sampled: 15-Jan-26 13:35
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	218	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:09	
EPA 6010D	**Iron**	20000	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:19	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **G8 0"**
SVL Sample ID: **X6B0244-02 (Soil)**

Sampled: 22-Jan-26 13:23
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	1340	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:12	
EPA 6010D	**Iron**	22300	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:21	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

One Government Gulch - PO Box 929
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Freeport McMoRan - Chino Mines
PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **L5 0"**
SVL Sample ID: **X6B0244-03 (Soil)**

Sampled: 14-Jan-26 14:32
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	703	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:16	
EPA 6010D	**Iron**	21400	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:24	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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PO Box 10
Bayard, NM 88023

Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Client Sample ID: **E9 0"**
SVL Sample ID: **X6B0244-04 (Soil)**

Sampled: 21-Jan-26 12:52
Received: 18-Feb-26
Sampled By: CC

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	**Copper**	254	mg/kg wet	1.00	0.32		X610064	MAC	03/04/26 16:20	
EPA 6010D	**Iron**	21500	mg/kg	20.0	6.6		X610064	JRR	03/04/26 17:26	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Chino Mines
PO Box 10
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Project Name: Chino Mines AOC
Work Order: **X6B0244**
Reported: 05-Mar-26 13:39

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals by EPA 6000/7000 Series								
EPA 6010D	Copper	mg/kg	<1.00	0.32	1.00	X610064	04-Mar-26	
EPA 6010D	Iron	mg/kg	<20.0	6.6	20.0	X610064	04-Mar-26	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals by EPA 6000/7000 Series									
EPA 6010D	Copper	mg/kg	91.5	100	91.5	80 - 120	X610064	04-Mar-26	
EPA 6010D	Iron	mg/kg	980	1000	98.0	80 - 120	X610064	04-Mar-26	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	Copper	mg/kg	111	16.1	102	92.7	75 - 125	X610064 - X6B0239-01	04-Mar-26	
EPA 6010D	Iron	mg/kg	19900	18500	1000	0.30R>S	75 - 125	X610064 - X6B0239-01	04-Mar-26	M3

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals by EPA 6000/7000 Series										
EPA 6010D	Copper	mg/kg	114	111	102	2.2	20	95.0	X610064 - X6B0239-01	
EPA 6010D	Iron	mg/kg	20000	19900	1000	0.5	20	0.30R>S	X610064 - X6B0239-01	M3

Qualitiy Control - SERIAL DILUTION Data

Method	Analyte	Sample Result	Serial Dilution Result	RPD	Q	QC Limits	Batch and Source ID	Notes
Metals by EPA 6000/7000 Series								
EPA 6010D	Iron	19900	19800	0.3		20	X610064 - MS1	

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Freeport McMoRan - Chino Mines	**Project Name: Chino Mines AOC**
PO Box 10	Work Order: **X6B0244**
Bayard, NM 88023	Reported: 05-Mar-26 13:39

Notes and Definitions

M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Appendix B
Field Inspection Photos



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE A9

PREPARED FOR: FREEPORT-MCMORAN



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PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE B10

PREPARED FOR: FREEPORT-MCMORAN



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PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE B8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE B9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE C8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE C9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE D8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE D9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE E10

PREPARED FOR: FREEPORT-MCMORAN



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PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE E7

PREPARED FOR: FREEPORT-McMoRan



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PROJECT:	TASK:
200458a	001-04

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SAMPLE E8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

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SAMPLE E9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

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SAMPLE F10

PREPARED FOR: FREEPORT-MCMORAN



SAMPLE F11

PROJECT: 200458a
TASK: 001-04
PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

PREPARED FOR: FREEPORT-MCMORAN

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PROJECT:	TASK:
200458a	001-04

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SAMPLE F7

PREPARED FOR: FREEPORT-McMoRan



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PROJECT:	TASK:
200458a	001-04

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SAMPLE F8

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R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE F9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE G10

PREPARED FOR: FREEPORT-MCMORAN



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PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE G6

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE G7

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE G8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE G9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE H6

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE H7

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE H8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE H9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE I5

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE I6

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE I7

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE I8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE I9

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE J5

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE J6

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE J7

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE J8

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE K4

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE K5

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE K6

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE K7

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE L4

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE L5

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE L6

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE M4

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE M5

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE N3

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE N4

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE O3

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE Q2

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE R1

PREPARED FOR: FREEPORT-MCMORAN



R:\Chino\AOC\Hurley_Rail_Parking\Products\Field_Inspections\Photos

PROJECT:	TASK:
200458a	001-04

PREPARED BY: TELESTO SOLUTIONS • INCORPORATED

SAMPLE S1

PREPARED FOR: FREEPORT-MCMORAN

Appendix C
NIST Standard Form

thermo scientific

Thermo Scientific™ Niton™ XRF Analyzers



Certificate of analysis

Type P/N Element	Control Sample SdAR-M2 180-706	QC Standard SdAR-L2 Soil 180-649A	QC Standard Blank SiO2 99.995% Pure 180-647	QC Standard Multi Element RCRA 180-661
Ba Barium 56	990	812	<10	1000
Cs Cesium 55	<10	<10	<10	
Te Tellurium 52			<10	
Sb Antimony 51	111	21.8	<10	
Sn Tin 50	<10		<10	
Cd Cadmium 48	<10	<10	<10	500
Ag Silver 47			<10	500
Pd Palladium 46			<10	
Mo Molybdenum 42	13.1	<10	<10	
Zr Zirconium 40	259	626	<10	
Sr Strontium 38	144	150	<10	
U Uranium 92	<10	<10	<10	
Rb Rubidium 37	149	120	<10	
Th Thorium 90	14.2	22	<10	
Pb Lead 82	808	183	<10	500

Type P/N Element	Control Sample SdAR-M2 180-706	QC Standard SdAR-L2 Soil 180-649A	QC Standard Blank SiO2 99.995% Pure 180-647	QC Standard Multi Element RCRA 180-661
Au Gold 79			<10	
Se Selenium 34			<10	500
As Arsenic 33	80	17	<10	500
Hg Mercury 80	<10	<10	<10	
Zn Zinc 30	772	201	<10	
W Tungsten 74	<10	<10	<10	
Cu Copper 29	239	50.8	<10	
Ni Nickel 28	48.8	14.3	<10	
Co Cobalt 27	12.4	<10	<10	
Fe Iron 26	18395	25459	<10	
Mn Manganese 25	1038	767	<10	
Cr Chromium 24	51	26	<10	500
V Vanadium 23	25.2	35	<10	
Ti Titanium 22	1798	3716	<10	
Sc Scandium 21	<10	<10	<10	

...continued on next page

ThermoFisher SCIENTIFIC

thermo scientific

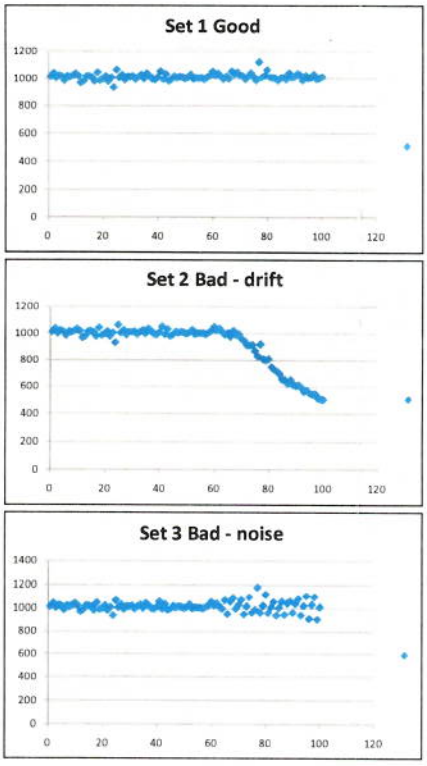
Thermo Scientific™ Niton™ XRF Analyzers – Certificate of analysis

Use of reference materials

The reference materials provided with your analyzer are to help ensure the ongoingperformance of your analyzer. These standards should be analyzed on a daily basis andthe values obtained checked against this certificate of analysis. For quality assurancepurposes you may wish to keep a running chart of the values obtained and monitor them for consistency.

If one or more of the elements begins to change in terms of reported concentration outsideof the normal expected variability, the sample may have become damaged or contaminated. This may occur for a number of reasons. For example, oils and salts may transfer from hand contact onto the surface, dust or lint from the surroundings may be deposited onto the sample, or the thin film on the front of the cup may have pinholes or have been torn. If the cup film has torn or has been damaged in any other way, it should be replaced immediately; this will prevent loss of the material and prevent contamination of the instrument and other samples.

If the film has been torn and the sample exposed for a period of time, then it may be best to assume the sample is contaminated. Dispose of it following your local regulations, and then replace it as soon as possible. Also check the front window of the instrument and clean or replace it if necessary.



Examples of daily quality assurance charts are shown to the left; learn to understand normal variance and recognize drift and noise. Results from your instrument may be as much as +/-20% of the listed values, depending on the model you have. However, by using the same integration time every time, your results should be consistent with themselves. If you have more questions, please refer to the Statistical Aspects of Spectrometry section of the manual under Reference Documents, or call our Customer Support group.

Type P/N Element	Control Sample SdAR-M2 180-706	QC Standard SdAR-L2 Soil 180-649A	QC Standard Blank SiO2 99.995% Pure 180-647	QC Standard Multi Element RCRA 180-661
Ca Calcium 20	6003	7576	<10	
K Potassium 19	41507	34036	<10	
Cl Chlorine 17				
S Sulfur 16			<10	
P Phosphorus 15	345	349	<10	
Si Silicon 14	343411	348226	467520	
Al Aluminum 13	65995	61284	<10	
Mg Magnesium 12	2955	2593	<10	

Requires GOLDD technology for mining & minerals mode

Notes:

- All results are listed in ppm (mg/kg).
- To convert to %, divide by 10,000; e.g., 33,600ppm Fe (NIST 2709) is 3.36%.
- Original certificates of analysis (if available) are on the Virtual Center of Excellence (vCoE) and can be requested from customer support.
- While every effort is made to ensure the high quality of these reference samples and their data, the use of the materials and interpretation of the results is the sole responsibility of the user.

Find out more at **thermofisher.com/xrf**

ThermoFisher SCIENTIFIC

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Appendix C

Air Quality Report

FREEPORT-MCMORAN

CONTRACTOR RECLAMATION CHINO- HURLEY PARKING LOT SAMPLING

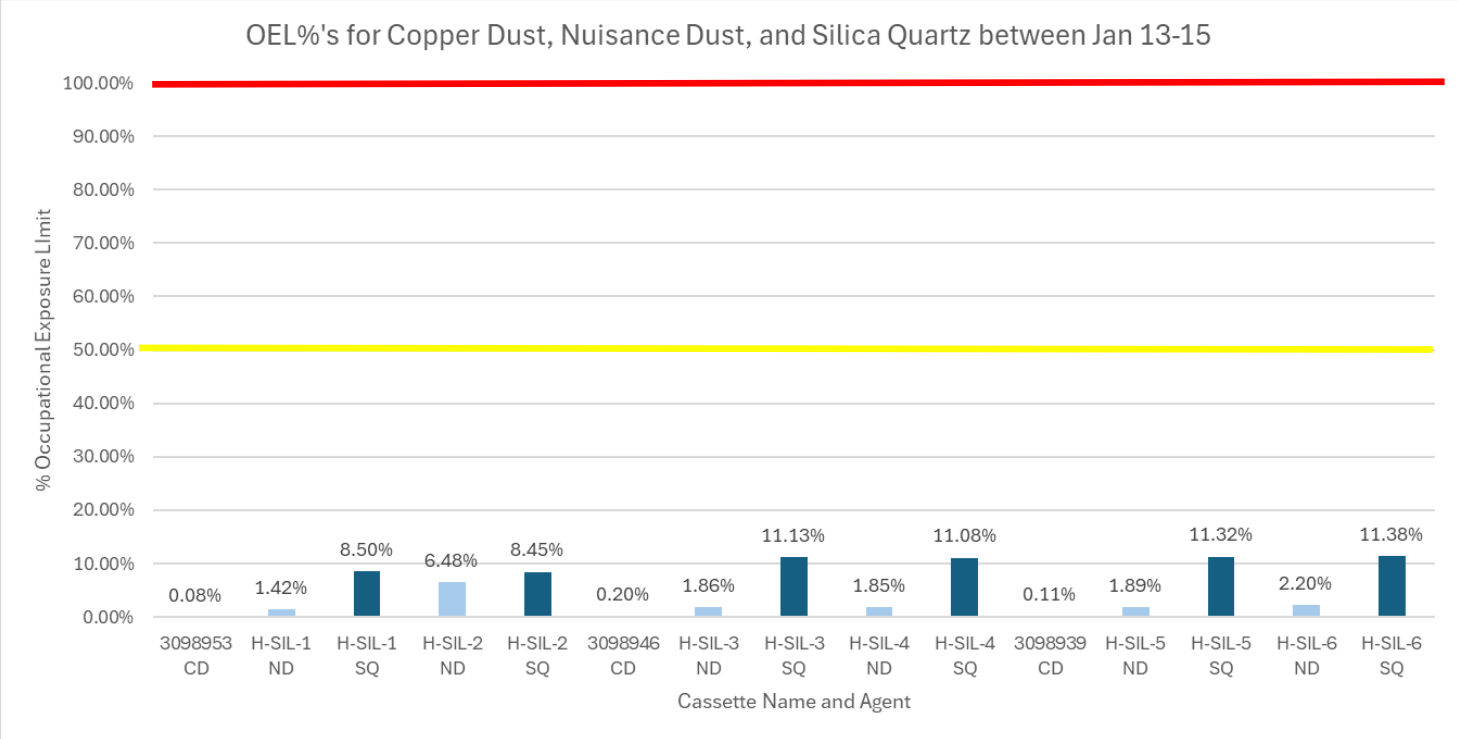
EXECUTIVE SUMMARY

Between January 13th-15th, 2026, six personal respirable crystalline silica samples and 3 copper dust samples were collected from 3 different Telesto employees who were testing the soil using a portable radiation device, and 1 FMI Special Projects employee who was operating equipment meant to push earth around the Hurley parking lot area near the town of Hurley. This sampling campaign follows previous personal air quality monitoring completed during the 2019 B-Ranch IRA. Both Telesto contract employes and FMI employees are not required to wear respiratory PPE in this area while doing this work. Samples were analyzed using the NIOSH 7500, NIOSH 0600, and OSHA 125G methods at the Bureau Veritas lab.

RESULTS

Results indicate that the employees sampled are below the Occupational Exposure Limit for copper dust, respirable nuisance dust, and silica quartz agents in question. (Graph 1) Details are included in Appendix A.

Graph 1: Exposure Results



RECOMMENDATIONS

All samples were under the Occupational Exposure Limit, controls such as staying in the cab in between testing and working in less windy conditions are recommended.

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FREEPORT-MCMORAN

CONTRACTOR RECLAMATION CHINO- HURLEY PARKING LOT SAMPLING

Report Prepared by:

Paige Kimball
Sr. Industrial Hygienist
NMO Operations
Cell: 575-694-5068
Email: pkimball@fmi.com

For questions, please contact NMO Health and Safety.

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Appendix A: Sample Result Details

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FREEPORT-McMoRan

CONTRACTOR RECLAMATION CHINO- HURLEY PARKING LOT SAMPLING

Date	Sample Name	Employee	Agent	TWA	Mass	Conc.	OEL%
13-Jan	3098953 CD	T1	Copper Dust	8 HR	<1	0.0008	0.08%
13-Jan	H-SIL-1 ND	T2	Nuisance Dust	8 HR	<50	0.0425	1.42%
13- Jan	H-SIL-1 SQ	T2	Silica Quartz	8 HR	<5	4.2483	8.50%
13-Jan	H-SIL-2 ND	FMI Operator	Nuisance Dust	8 HR	230	0.1945	6.48%
13-Jan	H-SIL-2 SQ	FMI Operator	Silica Quartz	8 HR	<5	4.2272	8.45%
14-Jan	3098946 CD	T3	Copper Dust	8 HR	1.8	0.002	0.20%
14-Jan	H-SIL-3 ND	FMI Operator	Nuisance Dust	8 HR	<50	0.0557	1.86%
14-Jan	H-SIL-3 SQ	FMI Operator	Silica Quartz	8 HR	<5	5.5664	11.13%
14-Jan	H-SIL-4 ND	T1	Nuisance Dust	8 HR	<50	0.0554	1.85%
14-Jan	H-SIL-4 SQ	T1	Silica Quartz	8 HR	<5	5.5388	11.08%
15-Jan	3098939 CD	T3	Copper Dust	8 HR	1	0.0011	0.11%
15-Jan	H-SIL-5 ND	FMI Operator	Nuisance Dust	8 HR	<50	0.0566	1.89%
15-Jan	H-SIL-5 SQ	FMI Operator	Silica Quartz	8 HR	<5	5.6613	11.32%
15-Jan	H-SIL-6 ND	T2	Nuisance Dust	8 HR	58	0.066	2.20%
15-Jan	H-SIL-6 SQ	T2	Silica Quartz	8 HR	<5	5.6893	11.38%

*** SQ is silica quartz (ug/m3), ND is respirable nuisance dust (mg/m3), CD is copper dust (mg/m3)**

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Appendix B: Field Notes

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6/10/2025

Date	Location	Pump	Media	Sample #	Pre Cal (lpm)	Post Cal (lpm)	Start Time	End Time	Notes
1/13		~~NM02 MCE 8947 2.01~~							
		NM03	MCE	8953	1.99	2.03	8:28am	6:15pm	586 Connor Cole Same as Ethan
		NM04	PPI	H-SIL-1	2.00	2.01	8:28am	6:15pm	586 Ethan Hopwood Field Tech, Inspections, testing soil
		NM05	PPI	H-SIL-2	1.99	2.04	8:28am	6:15pm	586 Adrian Cordova DGK Dozer
		~~NM07 PPI H-SIL-3 2.00~~							8:30-12 Tel in cab abt. 3 hrs. Slight breeze
1/14		NM08	MCE	8946	2.01	2.03	8:47am	4:15pm	446 Kyle Stafford
		NM09	PPI	H-SIL-3	2.01	2.00	8:47am	4:15pm	447 Adrian D6 Dozer
		NM010	PPI	H-SIL-4	2.01	2.02	8:47am	4:15pm	446 Conor Cole
									Mostoutside
1/15		NM010	MCE	8939	2.01	2.04	8:51	4:05	433 Kyle
		NM09	PPI	H-SIL-5	2.01	2.06	8:51	4:05	433 Adrian 2980 Loader R7 Tig 6Dozer
		NM08	PPI	H-SIL-6	2.00	2.05	8:51	4:05	429 Ethan
	Blanks	3098SS	MCE						
		H-SIL-B1 PPI							
		H-SIL-B2 PPI							

Appendix C: Lab Results

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Your P.O. #: ZN000008S0

Attention: Paige Kimball

FREEPORT-MCMORAN
Box 571
Hwy 90 South Tyrone Mine Road
Tyrone, NM
USA 88065-0571

Report Date: 01/27/2026
Report #: R8686622
Version: 1 - Final

ANALYTICAL REPORT

BUREAU VERITAS JOB #: C606135
Received: 01/21/2026, 00:00

Sample Matrix: Air
Samples Received: 12

Analyses	Quantity	Date Analyzed	Laboratory Method	Analytical Method
Metals, Welding, by OSHA ID125 - Air	4	01/26/2026	NOV2SOP-00005	OSHA ID125G mod.
Respirable Particulate-NIOSH 0600 - PVC	8	01/22/2026	NOV8SOP-00001	NIOSH 0600
Silica by NIOSH 7500-PVC filter (1)	8	01/23/2026	NOV5SOP-00001	NIOSH 7500
Total Quartz and Cristobalite	8	01/26/2026		
Silica Percentage in Particulate	8	01/22/2026		

This report shall not be reproduced except in full, without the written approval of the laboratory.
Results relate only to the items tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

(1) Tridymite: A NIST-traceable standard is not available for tridymite. If tridymite is detected, the result is estimated and intended solely for information purposes.

Total (Quartz & Cristobalite): If one silica polymorph is positive, but the total is less than (<) the reporting limit, then the data user needs to decide which value is appropriate for their situation.

Encryption Key



Scott Caillouette
Manager, Customer Service
27 Jan 2026 14:47:47

Please direct all questions regarding this Analytical Report to your Project Manager.
Scott Caillouette, Manager, Customer Service
Email: Scott.caillouette@bureauveritas.com
Phone# (248) 344-1770

==========

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. This report is authorized by Shawn Heier, VP & COO North American ENV Laboratories responsible for Michigan Industrial Hygiene laboratory operations.

Total Cover Pages : 1

Bureau Veritas Job #: C606135
Report Date: 01/27/2026

FREEPORT-MCMORAN
Your P.O. #: ZN000008S0

ANALYTICAL RESULTS

Client ID:	3098953	Matrix:	Air
Bureau Veritas ID:	AZEL63	Sample Media:	MCE Filter 37 mm .8 Untared
Date Sampled:	01/13/2026	Air Volume (L):	1177.86

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Antimony (Sb)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Beryllium (Be)	<0.020	<0.000017	0.020	OSHA ID125G mod.	01/26/2026
Cadmium (Cd)	<0.50	<0.00042	0.50	OSHA ID125G mod.	01/26/2026
Chromium (Cr)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Cobalt (Co)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Copper (Cu)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Lead (Pb)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Manganese (Mn)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Molybdenum (Mo)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Nickel (Ni)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Vanadium (V)	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026
Iron (III) Oxide	1.9	0.0016	1.4	OSHA ID125G mod.	01/26/2026
Zinc Oxide	<1.0	<0.00085	1.0	OSHA ID125G mod.	01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Client ID:	H-SIL-1	Matrix:	Air
Bureau Veritas ID:	AZEL64	Sample Media:	PPI Tared PVC
Date Sampled:	01/13/2026	Air Volume (L):	1174.93

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	<50	<0.043	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	<4.3	--	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	<4.3	--	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	<8.5	--	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	<8.5		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Bureau Veritas Job #: C606135
Report Date: 01/27/2026

FREEPORT-MCMORAN
Your P.O. #: ZN000008S0

ANALYTICAL RESULTS

Client ID:	H-SIL-2	Matrix:	Air
Bureau Veritas ID:	AZEL65	Sample Media:	PPI Tared PVC
Date Sampled:	01/13/2026	Air Volume (L):	1180.79

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	230	0.19	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	<4.2	<2.2	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	<4.2	<2.2	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	<8.5	<4.4	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	<8.5		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Client ID:	3098946	Matrix:	Air
Bureau Veritas ID:	AZEL66	Sample Media:	MCE Filter 37 mm .8 Untared
Date Sampled:	01/14/2026	Air Volume (L):	900.92

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Antimony (Sb)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Beryllium (Be)	<0.020	<0.000022	0.020	OSHA ID125G mod.	01/26/2026
Cadmium (Cd)	<0.50	<0.00055	0.50	OSHA ID125G mod.	01/26/2026
Chromium (Cr)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Cobalt (Co)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Copper (Cu)	1.8	0.0020	1.0	OSHA ID125G mod.	01/26/2026
Lead (Pb)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Manganese (Mn)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Molybdenum (Mo)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Nickel (Ni)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Vanadium (V)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Iron (III) Oxide	3.8	0.0042	1.4	OSHA ID125G mod.	01/26/2026
Zinc Oxide	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Bureau Veritas Job #: C606135
Report Date: 01/27/2026

FREEPORT-MCMORAN
Your P.O. #: ZN000008S0

ANALYTICAL RESULTS

Client ID:	H-SIL-3	Matrix:	Air
Bureau Veritas ID:	AZEL67	Sample Media:	PPI Tared PVC
Date Sampled:	01/14/2026	Air Volume (L):	896.235

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	<50	<0.056	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	<5.6	--	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	<5.6	--	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	<11	--	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	<11		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Client ID:	H-SIL-4	Matrix:	Air
Bureau Veritas ID:	AZEL68	Sample Media:	PPI Tared PVC
Date Sampled:	01/14/2026	Air Volume (L):	898.69

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	<50	<0.056	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	<5.6	--	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	<5.6	--	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	<11	--	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	<11		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Bureau Veritas Job #: C606135
Report Date: 01/27/2026

FREEPORT-MCMORAN
Your P.O. #: ZN000008S0

ANALYTICAL RESULTS

Client ID:	3098939	Matrix:	Air
Bureau Veritas ID:	AZEL69	Sample Media:	MCE Filter 37 mm .8 Untared
Date Sampled:	01/15/2026	Air Volume (L):	876.825

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Antimony (Sb)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Beryllium (Be)	<0.020	<0.000023	0.020	OSHA ID125G mod.	01/26/2026
Cadmium (Cd)	<0.50	<0.00057	0.50	OSHA ID125G mod.	01/26/2026
Chromium (Cr)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Cobalt (Co)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Copper (Cu)	1.0	0.0012	1.0	OSHA ID125G mod.	01/26/2026
Lead (Pb)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Manganese (Mn)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Molybdenum (Mo)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Nickel (Ni)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Vanadium (V)	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026
Iron (III) Oxide	4.3	0.0049	1.4	OSHA ID125G mod.	01/26/2026
Zinc Oxide	<1.0	<0.0011	1.0	OSHA ID125G mod.	01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Client ID:	H-SIL-5	Matrix:	Air
Bureau Veritas ID:	AZEL70	Sample Media:	PPI Tared PVC
Date Sampled:	01/15/2026	Air Volume (L):	881.155

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	<50	<0.057	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	<5.7	--	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	<5.7	--	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	<11	--	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	<11		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Bureau Veritas Job #: C606135
Report Date: 01/27/2026

FREEPORT-MCMORAN
Your P.O. #: ZN000008S0

ANALYTICAL RESULTS

Client ID:	H-SIL-6	Matrix:	Air
Bureau Veritas ID:	AZEL71	Sample Media:	PPI Tared PVC
Date Sampled:	01/15/2026	Air Volume (L):	868.725

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	58	0.066	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	<5.8	<8.7	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	<5.8	<8.7	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	<12	<17	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	<12		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Client ID:	3098955	Matrix:	Air
Bureau Veritas ID:	AZEL72	Sample Media:	MCE Filter 37 mm .8 Untared
Date Sampled:	01/15/2026		

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Antimony (Sb)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Beryllium (Be)	<0.020	N/A	0.020	OSHA ID125G mod.	01/26/2026
Cadmium (Cd)	<0.50	N/A	0.50	OSHA ID125G mod.	01/26/2026
Chromium (Cr)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Cobalt (Co)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Copper (Cu)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Lead (Pb)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Manganese (Mn)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Molybdenum (Mo)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Nickel (Ni)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Vanadium (V)	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026
Iron (III) Oxide	<1.4	N/A	1.4	OSHA ID125G mod.	01/26/2026
Zinc Oxide	<1.0	N/A	1.0	OSHA ID125G mod.	01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Bureau Veritas Job #: C606135
Report Date: 01/27/2026

FREEPORT-MCMORAN
Your P.O. #: ZN000008S0

ANALYTICAL RESULTS

Client ID:	H-SIL-B1	Matrix:	Air
Bureau Veritas ID:	AZEL73	Sample Media:	PPI Tared PVC
Date Sampled:	01/15/2026		

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	<50	N/A	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	N/A	--	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	N/A	--	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	N/A	--	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	N/A		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

Client ID:	H-SIL-B2	Matrix:	Air
Bureau Veritas ID:	AZEL74	Sample Media:	PPI Tared PVC
Date Sampled:	01/15/2026		

ANALYTE	Mass ug	Concentration mg/m3	RL ug	Test Method	Date Analyzed
Respirable Particulate	<50	N/A	50	NIOSH 0600	01/22/2026

ANALYTE	Mass ug	Concentration ug/m3	%	RL ug	Test Method	Date Analyzed
Quartz	<5.0	N/A	--	5.0	NIOSH 7500	01/23/2026
Cristobalite	<5.0	N/A	--	5.0	NIOSH 7500	01/23/2026
Tridymite	<10	N/A	--	10	NIOSH 7500	01/23/2026
Total (Quartz and Cristobalite)	<10	N/A		10		01/26/2026

N/A = Not Applicable
RL = Reporting Limit

GENERAL COMMENTS

Unless otherwise noted below the following statements apply: 1) all samples were received in acceptable condition, 2) all quality control results associated with this sample set were within acceptable limits and /or do not adversely affect the reported results and 3) the industrial hygiene results have not been blank corrected.

The client provided their pertinent field sampling data on the analysis request paperwork submitted with the samples. Results apply to the sample as received.

Actual value of the average particulate blank was -14.5ug; sample results have been blank corrected with the average of the client blanks.

Sample AZEL73 [H-SIL-B1] : Actual value of the particulate blank was -13ug.

Sample AZEL74 [H-SIL-B2] : Actual value of the particulate blank was -16ug.

Results relate only to the items tested.

Request for Laboratory Analytical Services

IMPORTANT: Date results required: _____

Rush charges authorized? Yes ☐ No ☒

Fax or ☐ E-mail results ☒

E-mail Address: pkimball@fmi.com

Page: _____

For Lab Use Only

Lab Project #: C606135

Bureau Veritas North America, Inc.

Report results to:

Name: Paige Kimball

Company: Freeport-McMoRan Inc.

Mailing Address: Mine Warehouse #10, 99 Santa Rita Rd.

City, State, Zip: Vanadium, NM 88023

Telephone No.: 575-694-5068 Fax No.: _____

Client Project Number: _____

Send invoice to:

Name: Ruth Fox

Company: Freeport-McMoRan Inc

Address: P.O. Box 10

City, State, Zip: Bayard, NM, 88023

P.O. No. ZN000008S0

Special instructions and/or specific regulatory requirements:
(method, limit of detection, etc.)

NIOSH 7500 - Respirable Silica/Nuisance Dust

OSHA ID125G - 13 Metal Panel

Asbestos/Soil samples only: Which state are these from? _____

Client Sample Identification	Date Sampled	Time Sampled	Matrix/Media	Air Volume (Liters)	# of Jars	ANALYSIS REQUESTED (List each analyte on the lines below, multiple analytes per line)
3098953	1/13/26	586	MCE	1177.86		OSHA ID 125G - 13 Metal Panel
H-SIL-1	1/13/26	586	PPI	1174.93		NIOSH 7500 - Respirable Silica/Nuisance Dust
H-SIL-2	1/13/26	586	PPI	1180.79		NIOSH 7500 - Respirable Silica/Nuisance Dust
3098946	1/14/26	446	MCE	900.92		OSHA ID 125G - 13 Metal Panel
H-SIL-3	1/14/26	447	PPI	896.235		NIOSH 7500 - Respirable Silica/Nuisance Dust
H-SIL-4	1/14/26	446	PPI	898.69		NIOSH 7500 - Respirable Silica/Nuisance Dust
3098939	1/15/26	433	MCE	876.825		OSHA ID 125G - 13 Metal Panel
H-SIL-5	1/15/26	433	PPI	881.155		NIOSH 7500 - Respirable Silica/Nuisance Dust
H-SIL-6	1/15/26	429	PPI	868.725		NIOSH 7500 - Respirable Silica/Nuisance Dust
3098955	1/15/26	0	MCE	0		OSHA ID 125G - 13 Metal Panel
H-SIL-B1	1/15/26	0	PPI	0		NIOSH 7500 - Respirable Silica/Nuisance Dust
H-SIL-B2	1/15/26	0	PPI	0		NIOSH 7500 - Respirable Silica/Nuisance Dust

Collected by: Paige Kimball ***Date/Time*** 1/13-1/15 ***Collector's Signature:*** _____ ***Date/Time*** _____

Relinquished by: Paige Kimball ***Date/Time*** 1/16/26 ***Received by:*** _____ ***Date/Time*** _____

Relinquished by: _____ ***Date/Time*** _____ ***Received by:*** _____ ***Date/Time*** 1.21.26 1119

Method of Shipment: _____ ***Sample Condition on Receipt:*** _____

Authorized by: _____ ***Acceptable*** X ***Other:*** _____

(Signature MUST accompany request) ***(Explain)***

Ship to:

Detroit Lab
22345 Roethel Drive

Atlanta Lab
3380 Chastain Meadows Pkwy., Ste 300

Chicago Lab
95 Oakwood Road

Canadian Clients
1415 Janette Ave

Appendix D

Water Truck Source Water Quality Report

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141001-2022

LIMS Report #: 1579944 **Request Id:** 2565844

BURT-KESTED, SHERRY
WSS: FREEPORT MCMORAN CHINO MINES
PO BOX 10
BAYARD, NM 88023

WSS Code: NM3522409
Collector: ROCIO GALVAN 19461
User Code: 55000

CC Recipient(s): NMED Central Files

Sample Location: ENTRY POINT #3 (MCCAULEY BOC
Sampling Point ID: SP224090371
Facility ID: 22409037
COC Initiated: Yes
Condition of Seal: Shipping container sealed
Sampling Documentation: COMPLIANCE, GRAB

Sample #: 2023044981 **Date Collected:** 11/7/2023
Sample Type: Water, Finished **Date Received:** 11/9/2023
Date Reported: 12/6/2023
Sample Note:

Lab: WC

EPA 353.2 Nitrate + Nitrite

FRDS#	Analysis Date: 12/01/2023 13:17	Result	Units	MRL	Dilution Factor	SDL	Analyst	Data Qualifier
1038	Nitrate + Nitrite as Nitrogen	2.12	mg/L	0.05	1	0.05	DB	

Final

Definitions

MRL - Minimum Reporting Limit (lowest concentration that can be reported).

MDL - Method Detection Limit (lowest concentration that is differentiated from zero with 99% confidence)..

MCL - USEPA Maximum Contamination Level for SDWA regulated analytes and parameters.

SDL - Sample Detection Limit (Dilution Factor x MDL (organics) or Dilution Factor x MRL (inorganics)).

Units

mg/L - milligrams of analyte in a liter of water.

µg/L - micrograms of analyte in a liter of water.

mg/kg - milligrams of analyte in a kilogram of soil, sediment, or solid.

µg/kg - micrograms of analyte in a kilogram of soil, sediment, or solid.

ppbv - parts per billion by volume air.

Data Qualifier Codes

A - See note/comments.

B - Analyte was detected in the laboratory blank.

C - Spike recovery is within method acceptance limits.

D - Spike recovery is not within method acceptance limits.

E - Analyte value exceeded calibration range.

F - Sample matrix interference suspected.

H - Sample was analyzed in duplicate.

I - Sample was analyzed in triplicate.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K - Holding time was exceeded at laboratory.

L - Regulated parameter value equals or exceeds the EPA SDWA Maximum Contamination Level.

M - Regulated parameter value equals or exceeds the EPA SDWA Action Level.

N - Insufficient sample to verify results.

O - Method internal standard(s) not within method acceptance limits when analyzed undiluted.

P - Sample rejected/voided at laboratory.

Q - Sample submitted to laboratory past holding time.

S - Relative percent difference between duplicates greater than 10% (waters).

T - Relative percent difference between duplicates greater than 30% (soils).

U - Analyte was not detected in this sample above the method's sample detection limit.

2024-0123-003

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141001-2022

RECEIVED
JAN 23 2024
Chino Mines Co
Environmental Services

LIMS Report #: 1584386

Request Id: 2565843

BURT-KESTED, SHERRY

WSS: FREEPORT MCMORAN CHINO MINES
PO BOX 10
BAYARD, NM 88023

WSS Code: NM3522409
Collector: ROCIO GALVAN 19461
User Code: 55000

CC Recipient(s): NMED Central Files

Sample Location: ENTRY POINT #3 (MCCAULEY BOO
Sampling Point ID: SP224090371
Facility ID: 22409037
COC Initiated: Yes
Condition of Seal: Shipping container sealed
Sampling Documentation: COMPLIANCE, GRAB

Sample #: 2023044972
Sample Type: Water, Finished
Sample Note:

Date Collected: 11/7/2023 12:12
Date Received: 11/9/2023 16:34
Date Reported: 1/9/2024

Lab: HM
EPA 200.7 ICP/OES Metals (Liquid)

FRDS#	Analysis Date: 11/27/2023	Result	Units	MRL	Dilution Factor	SDL	Analyst Initials	Data Qualifier
1052	Sodium	34	mg/L	1	1	1.0	DW	

Lab: HM
EPA 200.8 ICP/MS Metals (Liquid)

FRDS#	Analysis Date: 12/29/2023 13:05	Result	Units	MRL	Dilution Factor	SDL	Analyst Initials	Data Qualifier
1074	Antimony	<0.001	mg/L	0.001	1	0.001	KB	
1005	Arsenic	0.005	mg/L	0.001	1	0.001	KB	
1010	Barium	0.026	mg/L	0.010	1	0.010	KB	
1075	Beryllium	<0.001	mg/L	0.001	1	0.001	KB	
1015	Cadmium	<0.001	mg/L	0.001	1	0.001	KB	
1020	Chromium	0.001	mg/L	0.001	1	0.001	KB	
1036	Nickel	<0.010	mg/L	0.01	1	0.010	KB	
1045	Selenium	<0.005	mg/L	0.005	1	0.005	KB	
1085	Thallium	<0.001	mg/L	0.001	1	0.001	KB	

Final

LIMS Report #: 1584386 **Request Id:** 2565843

BURT-KESTED, SHERRY

Sample #:	2023044972	**Date Collected:**	11/7/2023 12:12
Sample Type:	Water, Finished	**Date Received:**	11/9/2023 16:34
		Date Reported:	1/9/2024

Lab: HM

EPA 245.1 CVAA Mercury (Liquid)

FRDS#	Analysis Date: 11/17/2023		Result	Units	MRL	Dilution Factor	SDL	Analyst initials	Data Qualifier
1035		Mercury	<0.0002	mg/L	0.0002	1	0.0002	AF	

Final

Definitions

MRL - Minimum Reporting Limit (lowest concentration that can be reported).

MDL - Method Detection Limit (lowest concentration that is differentiated from zero with 99% confidence)..

MCL - USEPA Maximum Contamination Level for SDWA regulated analytes and parameters.

SDL - Sample Detection Limit (Dilution Factor x MDL (organics) or Dilution Factor x MRL (inorganics)).

Units

mg/L - milligrams of analyte in a liter of water.

µg/L - micrograms of analyte in a liter of water.

mg/kg - milligrams of analyte in a kilogram of soil, sediment, or solid.

µg/kg - micrograms of analyte in a kilogram of soil, sediment, or solid.

ppbv - parts per billion by volume air.

Data Qualifier Codes

A - See note/comments.

B - Analyte was detected in the laboratory blank.

C - Spike recovery is within method acceptance limits.

D - Spike recovery is not within method acceptance limits.

E - Analyte value exceeded calibration range.

F - Sample matrix interference suspected.

H - Sample was analyzed in duplicate.

I - Sample was analyzed in triplicate.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K - Holding time was exceeded at laboratory.

L - Regulated parameter value equals or exceeds the EPA SDWA Maximum Contamination Level.

M - Regulated parameter value equals or exceeds the EPA SDWA Action Level.

N - Insufficient sample to verify results.

O - Method internal standard(s) not within method acceptance limits when analyzed undiluted.

P - Sample rejected/voided at laboratory

Q - Sample submitted to laboratory past holding time

S - Relative percent difference between duplicates greater than 10% (waters).

T - Relative percent difference between duplicates greater than 30% (soils).

U - Analyte was not detected in this sample above the method's sample detection limit.

Final

20240129-004

Scientific Laboratory Division
1101 Camino de Salud, N.E.
Albuquerque, NM 87102
(505) 383-9000

EPA: 141001-2011

RECEIVED
JAN 25 2024
Chino Mines Co.
Environmental Services

LIMS Report #: 1581512

Request Id: 2570864

WSS: BURT-KESTED, SHERRY
FREEPORT MCMORAN CHINO MINES
PO BOX 10
BAYARD, NM 88023

WSS Code: NM3522409
Collector: ROCIO GALVAN 19461
User Code: 55000

CC Recipient(s): NMED Central Files

Sample Location: ENTRY POINT #3 (MCCAULEY BOOSTER)
Sampling Point ID: SP224090371
Facility ID: 22409037
COC Initiated: Yes
Condition of Seal: Shipping container sealed

Sample #: 2023044988
Sample Type: Water, Finished
Sample Note:

Date Collected: 11/7/2023 12:14
Date Received: 11/9/2023 11:18
Date Reported: 12/15/2023
Temp at Receipt (deg C): 5.5

Lab: SOC

EPA 504.1 SDWA Volatile Organic Compounds II EDB

pH in lab: 7

Extraction Date: 11/17/2023 09:45

Analysis Date: 11/17/2023 15:02

	Result	Units	MRL	MCL	Analyst Initials	Data Qualifier
1,2-Dibromoethane (EDB)	<0.020	µg/L	0.02	0.05	RLG	U
1,2-Dibromo-3-chloropropane (DBCP)	<0.020	µg/L	0.02	0.2	RLG	U

Lab: SOC

EPA 547 SDWA Glyphosate

pH in lab: 7

Analysis Date: 11/16/2023 22:39

	Result	Units	MRL	MCL	Analyst Initials	Data Qualifier
Glyphosate	<10	µg/L	10.0	700	ART	U

Lab: SOC

EPA 548.1 SDWA Endothall

pH in lab: 7

Final

Extraction Date: 11/14/2023 10:45

Analysis Date: 11/21/2023 12:12	Result	Units	MRL	MCL	Analyst Initials	Data Qualifier
Endothall	<2.3	µg/L	2.3	100	RLG	U

Lab: SOC

EPA 549.2 SDWA Diquat — **pH in lab: 7**

Extraction Date: 11/14/2023 14:10

Analysis Date: 11/14/2023 17:11	Result	Units	MRL	MCL	Analyst Initials	Data Qualifier
Diquat	<0.75	µg/L	0.75	20	ART	U

Lab: SOC

EPA 531.2 SDWA Carbamates — **pH in lab: 4**

Analysis Date: 11/21/2023 06:42	Result	Units	MRL	MCL	Analyst Initials	Data Qualifier
Carbofuran	<0.9	µg/L	0.9	40	OLR	U
Oxamyl (Vydate)	<0.9	µg/L	0.9	200	OLR	U

Lab: SOC

EPA 508.1 SDWA Chlordane, Toxaphene, PCBs — **pH in lab: 2**

Extraction Date: 11/16/2023 08:15

Analysis Date: 11/18/2023 05:32	Result	Units	MRL	MCL	Analyst Initials	Data Qualifier
Aroclor 1016	<0.05	µg/L	0.05	0.5	ART	U
Aroclor 1221	<0.05	µg/L	0.05	0.5	ART	U
Aroclor 1232	<0.05	µg/L	0.05	0.5	ART	U
Aroclor 1242	<0.05	µg/L	0.05	0.5	ART	U
Aroclor 1248	<0.05	µg/L	0.05	0.5	ART	U
Aroclor 1254	<0.05	µg/L	0.05	0.5	ART	U
Aroclor 1260	<0.05	µg/L	0.05	0.5	ART	U
Polychlorinated Biphenyls (PCBs)	<0.05	µg/L	0.05	0.5	ART	U
Chlordane (Total)	<0.05	µg/L	0.05	2	ART	U
Toxaphene	<0.25	µg/L	0.25	3	ART	U

Lab: SOC

EPA 515.4 SDWA Acid Herbicides — **pH in lab: 7**

Extraction Date: 11/16/2023 08:40

Analysis Date: 11/16/2023 21:04	Result	Units	MRL	MCL	Analyst Initials	Data Qualifier
2,4,5-TP (Silvex)	<0.05	µg/L	0.05	50	ART	U
2,4-D	<0.20	µg/L	0.20	70	ART	U
Dalapon	<0.50	µg/L	0.50	200	ART	U
Dinoseb	<0.40	µg/L	0.40	7	ART	U
Pentachlorophenol (PCP)	<0.05	µg/L	0.05	1	ART	U
Picloram	<0.10	µg/L	0.10	500	ART	U

Lab: SOC

EPA 525.2 SDWA Synthetic Organic Compounds **pH in lab: 2**

Extraction Date: 11/16/2023 08:15

Analysis Date: 12/04/2023 22:00	Result	Units	MRL	MCL	Analyst initials	Data Qualifier
Alachlor	<0.031	µg/L	0.031	2	NG	U
Atrazine	<0.030	µg/L	0.030	3	NG	U
Benzo(a)pyrene	<0.036	µg/L	0.036	0.2	NG	U
bis(2-Ethylhexyl)adipate	<1.0	µg/L	1.0	400	NG	U
bis(2-Ethylhexyl)phthalate	<1.0	µg/L	1.0	6	NG	U
cis-Chlordane	<0.015	µg/L	0.015	2	NG	U
trans-Chlordane	<0.019	µg/L	0.019	2	NG	U
Endrin	<0.019	µg/L	0.019	2	NG	U
Heptachlor	<0.019	µg/L	0.019	0.4	NG	U
Heptachlor Epoxide	<0.025	µg/L	0.025	0.2	NG	U
Hexachlorobenzene	<0.014	µg/L	0.014	1	NG	U
Hexachlorocyclopentadiene	<0.021	µg/L	0.021	50	NG	U
Lindane	<0.019	µg/L	0.019	0.2	NG	U
Methoxychlor	<0.024	µg/L	0.024	40	NG	U
Simazine	<0.022	µg/L	0.022	4	NG	U
trans-Nonachlor	<0.026	µg/L	0.026	2	NG	U

Definitions

MRL - Minimum Reporting Limit (lowest concentration that can be reported).

MDL - Method Detection Limit (lowest concentration that is differentiated from zero with 99% confidence)..

MCL - USEPA Maximum Contamination Level for SDWA regulated analytes and parameters.

SDL - Sample Detection Limit (Dilution Factor x MDL (organics) or Dilution Factor x MRL (inorganics)).

Units

mg/L - milligrams of analyte in a liter of water.

µg/L - micrograms of analyte in a liter of water.

mg/kg - milligrams of analyte in a kilogram of soil, sediment, or solid.

µg/kg - micrograms of analyte in a kilogram of soil, sediment, or solid.

ppbv - parts per billion by volume air.

Data Qualifier Codes

A - See note/comments.

B - Analyte was detected in the laboratory blank.

C - Spike recovery is within method acceptance limits.

D - Spike recovery is not within method acceptance limits.

E - Analyte value exceeded calibration range.

F - Sample matrix interference suspected.

H - Sample was analyzed in duplicate.

I - Sample was analyzed in triplicate.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K - Holding time was exceeded at laboratory.

L - Regulated parameter value equals or exceeds the EPA SDWA Maximum Contamination Level.

M - Regulated parameter value equals or exceeds the EPA SDWA Action Level.

N - Insufficient sample to verify results.

O - Method internal standard(s) not within method acceptance limits when analyzed undiluted.

P - Sample rejected/voided at laboratory.

Q - Sample submitted to laboratory past holding time.

S - Relative percent difference between duplicates greater than 10% (waters).

T - Relative percent difference between duplicates greater than 30% (soils).

U - Analyte was not detected in this sample above the method's sample detection limit.

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