APPENDIX G

AIR QUALITY TECHNICAL SUPPORT DOCUMENTS

G-1 Air Quality Baseline Report
G-2 Air Quality Assessment Report

Baseline Air Quality Monitoring Data Summary Report

Springpole Gold Project

First Mining Gold Corp.

ONS2104

Prepared by:
WSP Canada Inc.

October 2024

Baseline Air Quality
Monitoring Data Summary Report
Springpole Gold Project

Red Lake District, Northwest Ontario
Project #ONS2104

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EXECUTIVE SUMMARY

First Mining Gold Corp. (FMG) proposes to develop, operate and eventually decommission / close an open pit gold and silver mine and ore process plant with supporting facilities known as the Springpole Gold Project (Project). The Project is located in a remote area of northwestern Ontario, approximately 110 kilometres (km) northeast of the Municipality of Red Lake and 145 km north of the Municipality of Sioux Lookout (Figure 1-1).

An environmental assessment (EA) pursuant to the Canadian Environmental Assessment Act, 2012 (SC 2012, c. 19, s. 52) and the Ontario Environmental Assessment Act (RSO 1990, c. E.18) is required to be completed for the Project. This report is one of a series of Technical Support Documents prepared by WSP Canada Inc. (WSP) on behalf of FMG to describe the predicted environmental effects of the Project.

This report provides a summary of the data collected from the Springpole Gold Project baseline air quality monitoring program by Wood Environment & Infrastructure Americas (amalgamated into WSP Canada Inc. [WSP]) over 2021 and 2022.

The air quality parameters monitored were:

- Suspended particulate matter;
- Metals on the suspended particulate matter size fraction;
- Particulate matter less than 10 micrometres (µm) in diameter (PM_{10});
- Particulate matter less than 2.5 µm in diameter ($PM_{2.5}$);
- Volatile organic compounds;
- Nitrogen dioxide;
- Sulphur dioxide; and
- Total dustfall.

In addition to the measurement of air concentrations for these parameters, an onsite meteorological tower was monitoring local wind speed, wind direction, ambient temperature, relative humidity and barometric pressure.

The monitoring data were generally consistent with what would be expected for a remote location and with the regional data. Results for nitrogen dioxide, sulphur dioxide, volatile organic compounds and metals were typically either very low or non-detect. For particulate measurements, the period of October 2021 to October 2022 was used for the calculation of statistics to avoid bias from the 2021 wildfire season, which included a wildfire burning adjacent to the Project.

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LIST OF ABBREVIATIONS

°C	degrees Celsius
%	percent
AAQC	Ambient Air Quality Criteria
ALS	ALS Canada Ltd.
ASTM	American Society for Testing and Materials
BV Labs	Bureau Veritas Laboraties
CAAQS	Canadian Ambient Air Quality Standards
CCME	Canadian Council of Ministers of the Environment
CO	carbon monoxide
DSP	Aeroqual Dust Sentry Pro (DSP) Particle Profiler
ECCC	Environment and Climate Change Canada
FMG	First Mining Gold Corp.
$g/m^2/30$ d	grams per square metres per 30 days
Hi-Vol	high volume air sampler
km	kilometres
L/min	litres per minute
m	metre
m^3	cubic metres
m/s	metres per second
MECP	Ontario Ministry of Environment, Conservation and Parks
MiniVol	Airmetrics MiniVol Tactical Air Sampler
mm	millimetres
µg	micrograms
$µg/m^3$	microgram per cubic metre
µm	micrometre
N/A	not applicable
NAD	North American Datum
NAPS	National Air and Pollution Surveillance
NO_2	nitrogen dioxide
O_3	ozone
PAH	polycyclic aromatic hydrocarbon
PM	particulate matter
PM_{10}	particulate Matter less than 10 microns in diameter
$PM_{2.5}$	particulate Matter less than 2.5 microns in diameter
ppb	parts per billion
ppm	parts per million
Project	Springpole Gold Project
SO_2	sulphur dioxide
SO_3	sulphur trioxide
SPM	suspended particulate matter
SVOC	semi-volatile organic compounds
tpd	tonnes per day
US EPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
V	volt
VOC	volatile organic compound

1.0 INTRODUCTION

First Mining Gold Corp. (FMG) proposes to develop, operate, and eventually decommission / close an open pit gold and silver mine and ore process plant with supporting facilities known as the Springpole Gold Project (the Project). The Project is located in a remote area of northwestern Ontario, approximately 110 kilometres (km) northeast of the Municipality of Red Lake and 145 km north of the Municipality of Sioux Lookout (Figure 1-1).

An environmental assessment (EA) pursuant to the Canadian Environmental Assessment Act, 2012 and the Ontario Environmental Assessment Act, is required to be completed for the Project. This document is one of a series of baseline reports prepared by WSP Canada Inc. (WSP) on behalf of FMG describe the current environmental conditions, specifically air quality herein, and update existing information. Other environmental baseline reports in the series address the following environmental aspects:

- Hydrology;
- Ambient light;
- Sound and vibration;
- Hydrogeology;
- Surface water quality;
- Aquatic resources;
- Terrestrial resources; and
- Socioeconomic.

This report presents the background air quality conditions for the Project site, based on publicly available data as well as onsite monitoring conducted during 2021 and 2022.

During the consultation process, Project-specific input from regulatory agencies and Indigenous communities was considered at key milestones of the EA process including baseline studies, alternatives, assessment approach, mitigation and monitoring where appropriate. An overview of the consultation input that was considered during the assessment in relation to this assessment will be summarized in the Environmental Impact Statement / Environmental Assessment (EIS/EA). The updated air quality baseline includes additional parameters and an expanded dataset since the preparation of the draft EIS/EA.

1.1 Purpose and Objective of the Report

The objective of this report is to provide a summary of the baseline air quality data collected for the Project in accordance with the Air Quality Monitoring Plan (Wood 2021), dated June 2021. The baseline ambient air monitoring program was designed to measure air concentrations of key parameters for which air emissions are anticipated from the Project to establish onsite baseline concentrations prior to the construction phase, in accordance with the provincial Terms of Reference for the environmental assessment. This baseline report provides a summary of the data collected in 2021 and 2022.

1.2 Project Overview

The ore body is located under a small portion of Springpole Lake. To allow the development and safe operation of the open pit mine, dikes will be established to facilitate controlled dewatering of the mining area. Ore from the open pit will be processed in an onsite process plant at approximately 30,000 tonnes per day (tpd). Tailings resulting from the processing of ore will be stored in a co-disposal facility.

The main components of the Project are as follows:

- Open pit;
- Dikes;
- Co-disposal facility for mine rock and tailings;
- Surficial soil stockpile
- Ore stockpiles;
- Process plant complex;
- Buildings and supporting infrastructure;
- Water management and treatment facilities;
- Fish habitat development area;
- Accommodations complex;
- Aggregate operation(s);
- Transmission line; and
- Mine access road.

The expected duration of Project phases are as follows:

- Construction phase (Years -3 to -1: three years in length);
- Operations phase (Years 1 to 10: ten years in length);
- Decommissioning and closure phase (Years 11 to 15: five years in length); and
- Post-closure phase (Years 16+).

After decommissioning and closure of the site will follow a period of environmental monitoring.

1.3 Scope of Work

The baseline air quality dataset includes the following components:

- A summary of regional air quality data, including data measured by Environment and Climate Change Canada (ECCC) at the National Air and Pollution Surveillance (NAPS) network of stations; and
- A summary of the available air monitoring and meteorological data collected at the Project site in 2021 and 2022.

The contaminants sampled for are as follows:

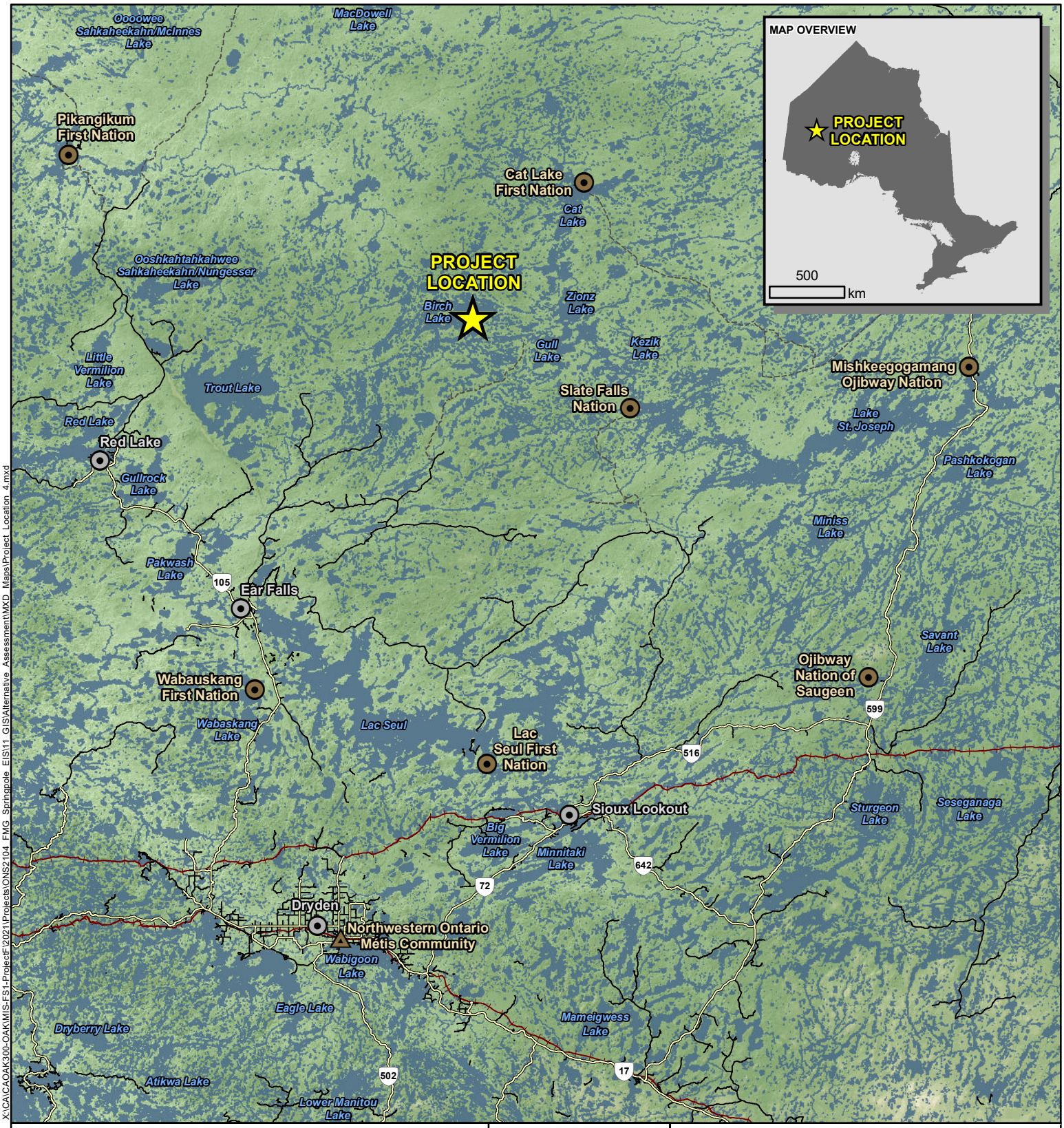
- Suspended particulate matter (SPM);
- Metals on the SPM size fraction;
- Particulate matter less than 10 micrometres (µm) in diameter (PM_{10});
- Particulate matter less than 2.5 µm in diameter ($PM_{2.5}$);
- Volatile organic compounds (VOCs);
- Nitrogen dioxide (NO_2);

- Sulphur dioxide (SO_2); and
- Total dustfall.

1.4 Regulatory Criteria and Standards

Baseline concentrations were presented along with the Ministry of the Environment, Conservation and Parks (MECP 2020) Ambient Air Quality Criteria (AAQC) and the Canadian Ambient Air Quality Standards (CAAQS) endorsed by the Canadian Council of Ministers of the Environment (CCME). The AAQC and CAAQS values are presented, where available, noting that the AAQC values are numerically equivalent to the Ontario Regulation 419/05 Standards and Air Contaminant Benchmarks where the averaging times are equivalent.

The MECP AAQC are established to be protective of potential effects on health, odour, vegetation, soiling, visibility, corrosion or other effects; at concentrations below the AAQC, adverse health and/or environmental effects would not be expected. Additionally, the CAAQS endorsed by the CCME (2014) replace the previous Canada-wide standards. These CAAQS are not intended for the assessment of the effects of individual facilities at the fenceline, but rather of ambient air quality at locations that are not overly influenced by specific industrial sources.



LEGEND

- Project Location
- Town
- First Nation Reserve
- Northwestern Ontario Métis Community
- Highway
- Secondary Road
- Resource / Winter Road
- Railway

0 12.5 25 50 75 100 Kilometres

NOTES:
- Topographic information extracted from LIO, MNRF.

Datum: NAD83
Projection: UTM Zone 15N

N W E S

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SPRINGPOLE GOLD PROJECT

Project Location

PROJECT N°: ONS2104	**FIGURE: 1-1**
SCALE: 1:1,500,000	DATE: September 2024

2.0 MONITORING STATIONS

The baseline air monitoring program included two air quality monitoring stations at the Project site. The original station, SP1, located approximately 300 metres west northwest of the exploration camp was commissioned in July 2020. The supplemental monitoring Station, SP2, was installed in early August 2021 just west of the existing exploration camp adjacent to Springpole Lake (Figure 2-1).

The monitoring equipment was sited according to the *Operations Manual for Air Quality Monitoring in Ontario* (MECP 2019) where feasible. Considerations were also made for security, electrical power supply, and field staff accessibility.

SP1 consisted of the following equipment on solar/battery power:

- One SPM Airmetrics MiniVol® Tactical Air Sampler (MiniVol) sampler;
- One $PM_{2.5}$ MiniVol sampler;
- One PM_{10} MiniVol sampler;
- One dustfall jar;
- One passive nitrogen dioxide / sulphur dioxide sampler (Radiello®, Istituti Clinici Scientifici Maugeri 2019); and
- A meteorological evaluation tower for meteorological parameters.

SP2 was installed on August 7, 2021, calibrated, and sampling commenced at the continuous monitor. The first discrete samples were collected on August 8, 2021, and then sampling continued on the NAPS six-day schedule. SP2 operated on 120 volt (V) AC power, which enabled greater uptime (i.e., time in operation) and permitted the use of more robust sampling methods compared to battery power.

SP2 consisted of the following equipment:

- One SPM discrete high-volume sampler (Hi-Vol);
- One BGI PQ200 discrete sampler for PM_{10} (PQ200);
- One Aeroqual Dust Sentry Pro (DSP) Particle Profiler continuous sampler for SPM/PM_{10}/$PM_{2.5}$;
- One dustfall jar;
- One passive VOC sampler; and
- One passive nitrogen dioxide / sulphur dioxide sampler.

In January 2022, the active sampling equipment at SP1 was moved to SP2 to improve uptime issues related to power; SPM MiniVol sampling was discontinued at this point as the high-volume sampler produced higher quality data.

The Universal Transverse Mercator (UTM) coordinates and parameters measured for the two stations are provided in Table 2-1 and shown in Figure 2-1.

Table 2-1: Location of Monitoring Stations and Monitored Contaminants

Station	General Location	UTM Coordinates NAD83, Zone 15U		Parameters Measured							
		Northing (m)	Easting (m)	Hi-Vol SPM and Metals	MiniVol SPM, PM_{10}, and $PM_{2.5}$	Continuous PM_{10} and $PM_{2.5}$	Passive Dustfall	Passive NO_2	Passive SO_2	Passive VOCs	Meteorological
SP1	West of shop	5694163	548877	-	✓	-	✓	✓	✓	-	✓
SP2	Near pump panel	5694013	549096	✓	-	✓	✓	✓	✓	✓	Precipitation gauge only

Note:
NAD = North American Datum; m = metre; ✓ = parameter was measured; - parameter not measured.



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LEGEND

- Project Location
- Air Quality Monitoring Stations
- Watercourse

NOTES:
- Topographic information extracted from LIO, MNRF.
- Aerial imagery provided by First Mining Gold, 2020.

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SPRINGPOLE GOLD PROJECT

On-site Air Quality Monitoring Stations

Datum: NAD83
Projection: UTM Zone 15N

0 100 200 400 600 800 1,000 Metres

PROJECT N°: ONS2104

FIGURE: 2-1

SCALE: 1:10,000

DATE: June 2023

3.0 METHODS

3.1 Onsite Monitoring

Onsite personnel conducted regular sample media changes and routine maintenance, as well as performing laboratory sample submission with support from WSP staff.

Laboratory methods and detection limits are included in the Attachment A laboratory reports.

3.1.1 Suspended Particulate Matter and Metals

SPM in the atmosphere is composed of either solid particles or fine liquid droplets. Included in this group are aerosols, smoke, fumes, dust, fly ash and pollen. SPM aerosols may include nitrates, sulphates, elemental carbon, organic carbon compounds, acid aerosols, trace metals and other components. Some of the aerosols are formed in the atmosphere from gaseous combustion by-products such as VOCs, sulphur oxides and nitrogen oxides.

3.1.1.1 Station SP1

SPM concentrations at SP1 were determined gravimetrically using an Airmetrics MiniVol and pre-weighed 47-millimetre (mm) filters. This unit collects air over a 24-hour period, sampling at approximately five litres per minute (L/min) from midnight to midnight for a total sample volume of approximately 7.2 cubic metres (m^3). The lowest detectable limit was 15 micrograms (µg) of SPM, resulting in a method detection limit of approximately 2 micrograms per cubic metres (µg/m^3).

In addition to measuring the SPM concentration, the filters were further analyzed by standard inductively coupled plasma mass spectrometry to quantify the concentrations of metal constituents. Approximately 27 metals and metalloids were analyzed as part of this sampling program. Particle-bound mercury was also analyzed using cold vapour atomic absorption beginning in September 2021. Metals analysis on the SP1 SPM MiniVol filters was discontinued in November 2021 due to the SP2 high-volume sampler achieving lower detection limits.

3.1.1.2 Station SP2

The SPM concentrations at SP2 were determined using the standard gravimetric method following the reference methods approved by the United States Environmental Protection Agency (US EPA) and by the MECP as described in its *Operations Manual for Air Quality Monitoring in Ontario* (MECP 2019). Samples were collected over a 24-hour averaging period. Sampling was performed with a Tisch TE-5170 Hi-Vol sampler (brush motor and mass flow controller). The lowest detectable limit was 100 µg of SPM, resulting in a method detection limit of 0.06 µg/m^3 based on the target 24-hour sample volume of 1,630 m^3.

In addition to measuring the SPM concentration, the filters were further analyzed by standard inductively coupled plasma mass spectrometry to quantify the concentrations of 27 metals and metalloids. Particle-bound mercury was also analyzed using cold vapour atomic absorption beginning in August of 2021. Sampling was initially done every 12 days, and eventually increased to every 6 days on October 7, 2021. Sampling was discontinued in October 2022.

Bureau Veritas Laboratories (BV Labs) was employed for analysis of the initial five samples at SP2, and ALS Canada Ltd. (ALS Labs) conducted all subsequent analyses.

Further, a "near-reference" Aeroqual DSP Particle Profiler was co-located with the high-volume sampler to collect real-time continuous SPM data. While not an EPA Federal Reference Method, "near-reference" refers to a sampling device that offer a balance between data quality and ease of use. The DSP sampled at a rate

of 1.0 L/min and drew air in at a height of about 2 m. The sampler recorded data at 10-minute intervals and stored them on an internal data logger.

3.1.2 Fine Particulate Matter (PM_{10})

PM_{10} is defined as particulate less than 10 µm in diameter and is also called "inhalable particulate." The MECP has an interim AAQC for PM_{10} based upon potential health effects.

3.1.2.1 Station SP1

PM_{10} concentrations at SP1 were determined gravimetrically using an Airmetrics MiniVol and pre-weighed 47 mm filters. This unit collected air over a 24-hour period, sampling at approximately 5 L/min from midnight to midnight for a total sample volume of approximately 7.2 m^3. The lowest detectable limit was 15 µg of PM_{10}, resulting in a method detection limit of approximately 2 $µg/m^3$.

3.1.2.2 Station SP2

The PM_{10} concentrations were measured using a BGI PQ200, as per the method cited in the US EPA *List of Designated Reference and Equivalent Methods* (US EPA 2021) and approved for use by the MECP in its air quality monitoring operations manual (MECP 2019). This method used gravimetric analysis to quantify the PM_{10} collected on a filter that is located downstream of a size-selective inlet. Sampling was undertaken between September 2021 and October 2022.

The detection limit for this equipment as installed was approximately 0.63 $µg/m^3$.

Additionally, a near-reference Aeroqual DSP collocated with the PQ200, which uses a particle profiler, was used for continuous monitoring of PM_{10}. The sampler recorded data every 10 minutes and automatically stored them on an internal data logger.

3.1.3 Fine Particulate Matter ($PM_{2.5}$)

$PM_{2.5}$ is defined as particulate less than 2.5 µm in diameter. Due to the small particle size, $PM_{2.5}$ acts similar to a gas, and as such may be transported long distances and have regional impacts. $PM_{2.5}$ is also called "respirable particulate." $PM_{2.5}$ can also be formed in the atmosphere through secondary reactions involving nitrogen oxides, sulphur dioxide, VOCs, and other atmospheric constituents.

3.1.3.1 Station SP1

$PM_{2.5}$ concentrations at SP1 were determined gravimetrically using an Airmetrics MiniVol and 47 mm pre-weighed filters. This unit collected air over a 24-hour period, sampling at approximately 5 L/min from midnight to midnight for a total sample volume of approximately 7.2 m^3. The lowest detectable limit was 15 µg of $PM_{2.5}$, resulting in a method detection limit of 2 $µg/m^3$.

3.1.3.2 Station SP2

An Aeroqual DSP, which uses a particle profiler, was used for continuous monitoring of $PM_{2.5}$. The DSP sampled at a rate of 1.0 L/min and drew air in at a height of about 2 m. The sampler recorded data every 10 minutes and automatically stored them on an internal data logger.

3.1.4 Total Dustfall

Dustfall is primarily the result of deposition due to gravitational settling of larger particulates, typically greater than 20 µm in diameter. Material deposited during precipitation events (wet deposition) was also measured as part of the total dustfall.

The water soluble and insoluble portions of dustfall were determined using the American Society for Testing and Materials (ASTM) method D 1739 98 and British Columbia Ministry of Environment method outlined in

Section G of *Air Constituents – Inorganic* (BC, 2020). Standard dustfall samplers were used to measure total dustfall deposition. The method detection limit for total dustfall was 0.3 grams per square metres per 30 days ($g/m^2/30$ d).

3.1.5 Nitrogen Dioxide

Though there are more than six forms of nitrogen oxides, nitric oxide and nitrogen dioxide are the predominant forms found in air emissions and the most noteworthy air pollutants. Collectively, they are known as nitrogen oxides (NO_X) and are expressed as the equivalent mass concentration of nitrogen dioxide.

3.1.5.1 Station SP1

At SP1 a Radiello passive diffusive sampler was used to measure nitrogen dioxide concentrations. The sampler was supported at least 3 m above grade and was contained within a protective enclosure. The Radiello was exposed for approximately seven days at the end of each calendar month where possible. ALS Labs performed analysis on the Radiello. Detection limits for this method were approximately 1 µg, which results in a concentration of approximately 1 part per billion (ppb).

The laboratory reported nitrogen dioxide in terms of mass, which was converted to concentration based on the method outlined in the Radiello User Manual (Istituti Clinici Scientifici Maugeri 2019).

3.1.5.2 Station SP2

Ambient nitrogen dioxide concentrations at SP2 were monitored using the BV Labs all-season Passive Air Sampling System. The exposed permeation filters were analyzed using the method employed by the BV Labs laboratory located in Edmonton, Alberta. The method was developed, approved and validated by Alberta Environment with the support of the Alberta Research Council, the Clean Air Strategic Alliance of Alberta and the National Research Council of Canada.

Since the sample uptake is dependent on temperature, relative humidity and wind speed, the analytical results are adjusted for these meteorological parameters measured during the exposure period (monthly averages). The required meteorological data were taken from an ECCC meteorological station by BV Labs to use with each sample submission. The onsite Passive Air Sampling System measurements were only used to inform the use of data from regional NAPS stations (e.g., Winnipeg and Thunder Bay) to establish appropriately conservative background concentrations for the remote Project site in the context of evaluating cumulative air quality effects.

The method detection limit was in the order of 0.1 ppb for nitrogen dioxide. Validation tests conducted in Alberta show that results from passive sampling are typically within 10 percent (%) of those obtained from sampling with continuous analyzers for 30-day exposure periods.

Since there are no guidelines for monthly concentrations of nitrogen dioxide obtained from passive sampling, the data will only be used for screening purposes.

3.1.6 Sulphur Dioxide

Sulphur oxides (SO_X) include sulphur dioxide, sulphur trioxide (SO_3) and solid sulphate forms. In connection with fuel burning, where the majority is in the form of sulphur dioxide, sulphur oxides are normally expressed in terms of the equivalent mass concentration of sulphur dioxide and sometimes as total sulphur.

The laboratory reported sulphur dioxide in terms of mass, which was converted to concentration based on the method outlined in the Radiello User Manual (Istituti Clinici Scientifici Maugeri 2019).

3.1.6.1 Station SP1

At SP1, a Radiello passive diffusive sampler was used to measure sulphur dioxide concentrations. The sampler was placed at least 3 m above grade and was contained within a protective enclosure. The Radiello was exposed for approximately seven days at the end of each calendar month where possible. ALS Labs performed analysis on the Radiello. Detection limits for this method were approximately 1 µg, which results in a concentration of approximately 0.2 ppb.

3.1.6.2 Station SP2

Ambient sulphur dioxide concentrations were monitored using BV Labs all-season passive air sampling system. The exposed permeation filters were analyzed using the method employed by the BV Labs laboratory located in Edmonton, Alberta. The method was developed, approved and validated by Alberta Environment with the support of the Alberta Research Council, the Clean Air Strategic Alliance of Alberta and the National Research Council of Canada.

Since the sample uptake is dependent on temperature, relative humidity and wind speed, the analytical results are adjusted for these meteorological parameters measured during the exposure period (monthly averages). The required meteorological data were taken from the ECCC meteorological station by BV Labs to use with each sample submission. The method detection limit was in the order of 0.1 ppb for sulphur dioxide. Validation tests conducted in Alberta show that results from passive sampling are typically within 10% of those obtained from sampling with continuous analyzers for 30-day exposure periods.

Since there are no guidelines for monthly concentrations of sulphur dioxide obtained from passive sampling, the data will only be used for screening purposes.

3.1.7 Volatile Organic Compounds

Volatile organic compounds (VOCs) are a large group of organic chemicals that evaporate at room temperature and are present as gases in ambient air.

Passive sampling for VOCs was completed using US EPA Method 325 (US EPA, 2019) thermal desorption tubes, which were exposed at SP2 for approximately 14-day periods. The sample media was supplied and analyzed by BV Labs in Edmonton, Alberta.

3.1.8 Meteorological Parameters

In 2020, a 10 m Meteorological Evaluation Tower (MET) was installed at SP1 with a HOBO datalogger to measure the following parameters:

- Temperature;
- Wind speed;
- Wind direction;
- Barometric pressure;
- Relative humidity
- Rain (summer only); and
- Evaporation (summer only).

In 2022, a heated precipitation gauge was installed at the SP2 air sampling location to determine winter precipitation amounts.

3.2 Published Air Quality Data

Existing published air quality data were obtained from the ECCC NAPS Network (ECCC 2022). The NAPS Network operates monitoring stations across Canada. The Network reports background air chemistry data that are collected for various gases and PM, as well as various VOCs and semi-volatile organic compounds (SVOCs). The closest relevant NAPS stations to the Project site are located in Pickle Lake, Thunder Bay, Simcoe Experimental Farm and Winnipeg. See Table 3-1 for information regarding the NAPS stations.

Ozone (O_3) concentrations were not monitored as part of the Project baseline program; however, concentrations measured by the NAPS network from the closest station have been included in this report. Refer to Table 5-4 for a summary of background ozone levels for the Pickle Lake station. Releases of ozone are not expected from mining operations; however, ozone data are used for calculations of nitrogen oxide / nitrogen dioxide conversion.

3.3 Quality Assurance and Quality Control Protocols

The validity of each sample was confirmed by comparison with criteria defined in the MECP (2019) air quality monitoring operations manual. Sample validation for discrete sampling (Hi-Vols and PQ200s) requires verifying that the sample period is within 10% of the required 24 hours (21.6 to 26.4 hours). The sample volume is required to be greater than 1,468 m^3 for Hi-Vol sampling per correspondence with the MECP and within ±10% of 24 m^3 for the PQ200 samples.

There are no criteria in the MECP operations manual for the MiniVol samplers; as such, the Hi-Vol requirements were extrapolated for their use. The sample period is required to be within 10% of the required 24 hours (21.6 to 26.4 hours) and sample volume within ±10% of 7.2 m^3 for all three MiniVol samplers. Due to the logistical difficulties in monitoring at the Project site, professional judgement was used to address this requirement where appropriate to provide a more robust dataset.

Other quality methods included meaures such as identifying suspect samples by the ratio of dust fraction measured (e.g., a $PM_{2.5}$ concentration higher than a PM_{10} concentration measured at the same location and time and by a margin greater than the typical methodological error).

For dustfall and passive sampling, a monthly sample is valid if exposure is within ±3 days of the 30-day exposure period and there are no excessive interferences such as bird droppings, leaves or insect parts. For completeness, samples that exceeded the exposure period validity requirements were included in the statistical calculations.

Table 3-1: National Air and Pollution Surveillance Monitoring Station Locations

Station	Station ID	UTM Coordinates (NAD83)			Distance from Site (km)	Relevant Contaminants Measured
		Northing (m)	Easting (m)	Zone		
Pickle Lake	064001	5703329	693315	15U	145	O_3
Thunder Bay	060809	5360993	330430	16U	399	NO_2, $PM_{2.5}$
Winnipeg Ellen St.	070119	5528926	663112	14U	381	CO, NO_2, SO_2, $PM_{2.5}$
Simcoe Experimental Farm	062601	4745177	559668	17T	1,310	PAHs, VOCs

Note:
CO = carbon monoxide; PAHs = polycyclic aromatic hydrocarbons.

4.0 ONSITE AIR QUALITY RESULTS AND DISCUSSION

For the purpose of performing statistical analyses, and in keeping with a commonly accepted practice, a value of half the detection limit was substituted for concentrations less than the detection limit. For comparison purposes, the federal CAAQs and MECP AAQCs were used.

Laboratory raw data are included in the Attachment A laboratory reports.

4.1 Suspended Particulate Matter and Metals

At SP1, the MiniVol SPM sampler was operated from March 2021 to December 2021, sampling every six days in accordance with the US EPA NAPS schedule where possible. There were sample losses in May 2021 associated with sampler timer and power issues, as well as losses in July 2021 as a result of the nearby wildfires. Additionally, samples were lost in December 2021 as a result of extremely cold temperatures. A summary of the SPM sampling results is provided in Table 4-1. Metals analysis was performed on each SPM filter. Average and maximum metal concentrations are shown in Table 4-2, and with the exception of nickel on November 6, 2021, all metals values at SP1 were below the detection limit.

At SP2, the SPM Hi-Vol sampler operated from July 2021 to October 2022, sampling every six days in accordance with the US EPA NAPS schedule. Some sampling events in November 2021 were unable to be completed as a result of sample media shortage. Additionally, there were some sample losses in late 2021 and early 2022 due to the cold, so the sampling schedule was accelerated to be every three days to collect extra wintertime samples before returning to the six-day schedule in April 2022. A summary of the SPM sampling results is provided in Table 4-1. Metals analysis was performed on each SPM filter. Average and maximum metal concentrations are provided in Table 4-3.

High values of SPM were measured in the summer of 2021 as a result of nearby wildfires. As a result, only data from October 2021 to October 2022 are included in the summary statistics.

Additionally, the DSP particle profiler operated from August 2021 until October 2021 when it experienced a particle module failure and was out of service until early February 2022; after repair, the profiler operation continued until October 2022.

SPM data matched reasonably well across all sampling devices when considering both daily averages and overall averages. As expected, SPM concentrations varied seasonally with generally higher concentrations in the summer and generally lower concentrations in the winter.

Since the samplers at SP1 measure low sample volumes (approximately 7 m^3), almost all metals concentrations were below the detection limit with the exception of nickel as indicated above. The samples from the Hi-Vol sampler at SP2 contained many more detected metals; however, they were well below their respective AAQCs.

4.2 Fine Particulate Matter (PM_{10})

At SP1, the MiniVol PM_{10} sampler was operated from March 2021 to October 2022, sampling every six days in accordance with the US EPA NAPS schedule where possible. There were sample losses in the spring of 2021 due to the sampler requiring service, as well as losses in July 2021 as a result of the nearby wildfires. Additionally, there were some sample losses in late 2021 and early 2022 due to the cold, so the sampling schedule was accelerated to be every three days to collect extra wintertime samples before returning to the six-day schedule in April. A summary of the PM_{10} sampling results is provided in Table 4-4.

At SP2, the BGI PQ200 operated from August 2021 to October 2022, with sample losses associated with torn filter media until this was resolved in October 2021.

As noted in Section 4.1, the particle profiler operated from August 8, 2021, until October 28, 2021, when it experienced a particle module failure and was out of service until early February 2022; after repair, the profiler operation continued until October 2022.

High values of PM_{10} were measured in the summer of 2021 as a result of nearby wildfires. As a result, only data from October 2021 to October 2022 are included in the summary statistics. Please see Attachment B for the complete continuous dataset.

Measured PM_{10} data experienced the expected seasonal variation that can be attributed to snow cover.

4.3 Fine Particulate Matter ($PM_{2.5}$)

At SP1, the MinVol $PM_{2.5}$ sampler was operated from March 2021 to October 2022, sampling every six days in accordance with the US EPA NAPS schedule where possible. There were sample losses in May associated with sampler power issues, as well as losses in July 2021 as a result of the nearby wildfires. Additionally, there were some sample losses in late 2021 and early 2022 due to the cold, so the sampling schedule was accelerated to be every three days to collect extra wintertime samples before returning to the six-day schedule in April. A summary of the $PM_{2.5}$ sampling results are provided in Table 4-5.

As noted above, the DSP particle profiler operated from August 8, 2021, until October 28, 2021, when it experienced a particle module failure and was out of service until early February 2022; after repair, the profiler operation continued until October 2022.

High values of $PM_{2.5}$ were measured in the summer of 2021 as a result of nearby wildfires. As a result, only data from October 2021 to October 2022 are included in the summary statistics. Please see Attachment B for the complete continuous dataset.

Table 4-5 contains summary results for both $PM_{2.5}$ samplers. The complete dataset is included in Appendices A and B.

4.4 Total Dustfall

Dustfall samples were first taken at SP1 in March 2021 and continued until June 2022 for a total of 11 valid samples. Dustfall sampling at SP2 was initialized at the beginning of September 2021 and continued until September 2022 for a total of six valid samples. The dustfall results are summarized in Table 4-6.

All dustfall values were below the respective AAQC of 7 $g/m^2/30$ d. On average, dustfall values were approximately 25% of the AAQC.

4.5 Passive Nitrogen Dioxide and Sulphur Dioxide

Passive nitrogen dioxide / sulphur dioxide sampling was initialized at SP1 in April 2021 and continued until October 2022. At SP2, the passive nitrogen dioxide / sulphur dioxide sampling program commenced in August 2021 and continued until September 2022. The September 2021 SP1 passive Radiello was not deployed and the November 2021 passive samples at SP2 were missed as a result of logistical and shipping issues. Table 4-7 and Table 4-8 summarize the passive nitrogen dioxide and sulphur dioxide data collected.

Measured concentrations of nitrogen dioxide and sulphur dioxide were either extremely low or below the detection limit. These results are consistent with regional background concentrations.

4.6 Passive Volatile Organic Compounds

Onsite VOC monitoring serves as a screening for the presence of target species, and a general comparison of VOC concentrations to background values from regional NAPS program stations.

Passive VOC data were measured at Station SP2 using US EPA Method 325 (US EPA, 2019) thermal desorption tubes. Ten samples were analyzed. The January and March 2022 samples were removed from statistical calculations due to possible bias from use of the ice road. Access to the ice road was adjacent to SP2 and experienced frequent vehicular traffic; as a result, these samples were not expected to be reflective of the regional background. A summary of the data collected is presented in Table 4-9.

Most VOCs were below the detection limit with the exception of toluene and benzene.

4.7 Meteorological Data

Meteorological data were collected from 1 January 2021 to February 2023. There was a data gap from August 31 to October 26, 2021, as a result of the equipment malfunctioning.

Table 4-10 summarizes the meteorological data that were collected on site in 2021 and 2022. Note that during an August 2021 audit, the absence of the rain gauge funnel was identified, thus rendering prior rain data unusable. Additionally, evaporation data prior to this audit are not valid since the evaporation float was still winterized.

Table 4-1: Onsite Summary Statistics for Suspended Particulate Matter

Statistic	SP2 HiVol Sampler	SP2 Continuous DSP
Geometric mean SPM concentration (µg/m^3) (1)	5.3	4.9
90th percentile (µg/m^3) (1)	14.1	16.7
Maximum 24-hour concentration (µg/m^3) (1)	43.8 (June 15, 2022)	77.2 (October 1, 2021)
Ontario AAQC 24-hour concentration (µg/m^3)	120	120
Number of valid sampling days	55	274
Number of samples > criteria (SPM)	0	0

Note:
(1) To avoid bias from the 2021 summer wildfire season (which included wildfires adjacent to the Project site), data from October 2021 to October 2022 were used.

Table 4-2: Onsite Summary Statistics for Metals (Station SP1 only)

Parameter	24-Hour Average AAQC (µg/m^3)	Typical Detection Limit (µg/m^3)	Average (µg/m^3)	90th Percentile (µg/m^3)	Maximum (µg/m^3)
Aluminum (Al)	120	1.2	ND	ND	ND
Antimony (Sb)	25	0.033	ND	ND	ND
Arsenic (As)	0.3	0.40	ND	ND	ND
Barium (Ba)	10	0.067	ND	ND	ND
Beryllium (Be)	0.01	0.0067	ND	ND	ND
Bismuth (Bi)	N/A	0.24	ND	ND	ND
Boron (B)	120	2.0	ND	ND	ND
Cadmium (Cd)	0.025	0.0036	ND	ND	ND
Chromium (Cr)	0.5	0.46	ND	ND	ND
Cobalt (Co)	0.1	0.0040	ND	ND	ND
Copper (Cu)	50	0.13	ND	ND	ND
Iron (Fe)	4	1.6	ND	ND	ND
Lead (Pb)	0.5	0.016	ND	ND	ND
Magnesium (Mg)	120	8.0	ND	ND	ND
Manganese (Mn)	0.4	0.060	ND	ND	ND
Molybdenum (Mo)	120	0.048	ND	ND	ND
Nickel (Ni)	0.2	0.033	ND	ND	0.041
Phosphorus (P)	N/A	100	ND	ND	ND
Selenium (Se)	10	0.17	ND	ND	ND
Silver (Ag)	1	0.012	ND	ND	ND
Strontium (Sr)	120	0.40	ND	ND	ND
Thallium (Tl)	N/A	0.012	ND	ND	ND
Tin (Sn)	10	0.080	ND	ND	ND
Titanium (Ti)	120	1.5	ND	ND	ND
Uranium (U)	0.3	0.00081	ND	ND	ND
Vanadium (V)	2	0.67	ND	ND	ND
Zinc (Zn)	120	0.60	ND	ND	ND
Mercury (Hg)(1)	2	0.0000063	ND	ND	ND

Note:
(1) Mercury analysis only includes the particulate-bound fraction.
ND = non-detect, value below laboratory detection limit;
N/A = No AAQC

Table 4-3: Onsite Summary Statistics for Metals (Station SP2 only)

Parameter	24-Hour Average AAQC (µg/m³)	Typical Detection Limit (µg/m³)	Average (µg/m³) (2)(3)	90th Percentile (µg/m³) (2)(3)	Maximum (µg/m³) (2)(3)
Aluminum (Al)	120	0.0056	0.060	0.12	0.34
Antimony (Sb)	25	0.00016	0.0015	0.0058	0.011
Arsenic (As)	0.3	0.0019	*0.0011*	*0.0010*	*0.0039*
Barium (Ba)	10	0.00031	0.0024	0.0041	0.0098
Beryllium (Be)	0.01	0.000032	*0.000060*	*0.000017*	*0.00064*
Bismuth (Bi)	N/A	0.0012	*0.00077*	*0.00060*	*0.0039*
Boron (B)	120	0.0097	0.0052	0.0090	0.014
Cadmium (Cd)	0.025	0.000017	0.00017	0.00040	0.0013
Chromium (Cr)	0.5	0.0022	*0.0012*	*0.0012*	0.0032
Cobalt (Co)	0.1	0.000019	0.00015	0.00018	0.0013
Copper (Cu)	50	0.00063	0.082	0.14	0.26
Iron (Fe)	4	0.0075	0.086	0.14	0.42
Lead (Pb)	0.5	0.000075	0.00069	0.0012	0.0055
Magnesium (Mg)	120	0.038	0.080	0.13	0.31
Manganese (Mn)	0.4	0.00028	0.0036	0.0082	0.019
Molybdenum (Mo)	120	0.00023	0.0040	0.0080	0.016
Nickel (Ni)	0.2	0.00016	0.00089	0.0015	0.0039
Phosphorus (P)	N/A	0.4900	0.21	0.25	0.51
Selenium (Se)	10	0.00084	*0.00082*	*0.00044*	*0.0064*
Silver (Ag)	1	0.000058	0.00026	0.000077	0.0032
Strontium (Sr)	120	0.0019	0.0010	0.0010	0.0029
Thallium (Tl)	N/A	0.000058	*0.00049*	*0.000030*	*0.0064*
Tin (Sn)	10	0.00039	0.00073	0.00076	0.0064
Titanium (Ti)	120	0.0071	0.0040	0.0061	0.018
Uranium (U)	0.3	0.0000039	0.0000053	0.000011	0.000021
Vanadium (V)	2	0.0032	*0.0016*	*0.0017*	*0.0034*
Zinc (Zn)	120	0.0028	0.010	0.010	0.24
Mercury (Hg)(1)	2	0.0056	0.0000072	0.000012	0.000052

Notes:
(1) Mercury analysis only includes the particulate-bound fraction.
(2) Italicized values indicate all samples were below the detection limit.
(3) The first five samples in the dataset were analyzed by a laboratory which had significantly higher detection limits for some metals when compared to the subsequent results.
N/A= No AAQC

Table 4-4: Onsite Summary Statistics for PM_{10}

Statistic	SP1 MiniVol	SP2 PQ200	SP2 Continuous DSP
Average PM_{10} concentration (µg/m^3) (1)	6.2	3.4	7.1
90th percentile (µg/m^3) (1)	13.9	9.1	14.3
Maximum 24-hour concentration (µg/m^3) (1)	18.6 (July 13, 2022)	12.7 (October 11, 2022))	63.2 (October 1, 2021)
Ontario Interim AAQC 24-hour concentration (µg/m^3)	50	50	50
Number of sampling days	40	47	274
Number of samples > criteria (PM_{10})	0	0	3

Note:
(1) To avoid bias from the 2021 summer wildfire season (which included wildfires adjacent to the Project site), data from October 2021 to October 2022 were used.

Table 4-5: Onsite Summary Statistics for $PM_{2.5}$

Statistic	SP1 MiniVol	SP2 Continuous DSP
Average $PM_{2.5}$ concentration (µg/m^3) (1)	4.2	4.5
90th percentile (µg/m^3) (1)	9.1	9.2
Maximum 24-hour concentration (µg/m^3) (1)	13.3 (June 15, 2022)	45.8 (October 1, 2021)
CAAQS 24-hour concentration (µg/m^3)	27	27
Number of sampling days	39	274
Number of samples > criteria ($PM_{2.5}$)	1	4

Note:
(1) To avoid bias from the 2021 summer wildfire season (which included wildfires adjacent to the Project site), data from October 2021 to October 2022 were used.

Table 4-6: Onsite Summary Statistics for Total Dustfall

Statistic	SP1	SP2
Maximum monthly dustfall value (g/m^2/30 d)	6.8 (September 2021)	4.3 (September 2021)
90th percentile (g/m^2/30 d)	4.4	3.2
Arithmetic mean (g/m^2/30 d)	1.9	1.6
AAQC (g/m^2/30 d)	7	7
Number of samples	11	6

Table 4-7: Onsite Summary Statistics for Passive Nitrogen Dioxide

Statistic	SP1	SP2
7-day value maximum (ppb)	4.8	
7-day value 90th percentile (ppb)	2.1(1)	
7-day value arithmetic mean (ppb)	1.3 (1)	
7-day number of samples	15	
30-day value maximum (ppb)		0.8
30-day value 90th percentile (ppb)		0.7 (2)
30-day value arithmetic mean (ppb)		0.3 (2)
30-day number of samples		9

Notes:
Shaded cells indicate 7-day or 30-day statistic is not applicable to respective location
(1) Nominal seven-day values, February/March 2022 and April/May 2022 samples exposed for six days.
(2) Nominal 30-day values, September 2021 and December 2021 samples exposed for approximately two months.

Table 4-8: Onsite Summary Statistics for Passive Sulphur Dioxide

Statistic	SP1	SP2
7-day value maximum (ppb)	0.8	
7-day value 90th percentile (ppb)	0.5(1)	
7-day value arithmetic mean (ppb)	0.2(1)	
7-day number of samples	15	
30-day value maximum (ppb)		0.2
30-day value 90th percentile (ppb)		0.1 (2)
30-day value arithmetic mean (ppb)		0.1 (2)
30-day number of samples		9

Notes:
Shaded cells indicate 7-day or 30-day statistic is not applicable to respective location
(1) Nominal seven-day values, February/March 2022 and April/May 2022 samples exposed for six days.
(2) Nominal 30-day values, September 2021 and December 2021 samples exposed for approximately two months.

Table 4-9: Onsite Summary Statistics for Passive Volatile Organic Compounds (Station SP2 only)

Statistic(1)(2)	24-hour Average AAQC (µg/m³)	Detection Limit (µg/m³)	Average Concentration (µg/m³)	90th Percentile (µg/m³)	Maximum Concentration (µg/m³)
Benzene	2.3	0.5	0.4	0.9	0.9
Toluene	2,000	0.5	0.6	1.0	1.8
Ethylbenzene	1,000	0.5	0.3	0.3	<0.5
M & P-Xylene	730	2.5	1.2	1.3	<2.5
O-Xylene	730	0.6	0.3	0.3	<0.6
1,3-Butadiene	10	6	3.0	3.0	<6
Total retainable VOCs	N/A	11	23	58	97

Notes:
(1) Statistics calculated from averaging periods ranging from 12 to 57 days.
(2) August 2021 sample has been omitted from statistical calculations.
N/A = No AAQC

Table 4-10: Onsite Summary of Meteorological Data

Month	Temperature (°C)			Average Wind Speed (m/s)	Average Relative Humidity (%)	Class A Pan 15-min Evaporation (mm) [2]	Rainfall (mm) [2]
	Average	Maximum	Minimum				
January 2021	-11.8	0.90	-34.6	0.71	93.6	—	—
February 2021	-18.8	3.2	-41.5	1.2	81.6	—	—
March 2021	-4.1	14.4	-28.9	0.99	70.2	—	—
April 2021	1.6	18.9	-15.8	1.1	67.7	—	—
May 2021	9.0	29.9	-4.2	1.1	69.4	—	—
June 2021	17.2	29.9	4.6	0.93	70.5	—	—
July 2021	19.7	35.6	6.1	0.71	70.3	—	—
August 2021	17.9	32.8	7.0	0.79	81.7	93.4	65.5
September[1] 2021	—	—	—	—	—	—	—
October[1] 2021	4.4	8.9	-0.5	1.3	95.0	43.1	17.8
November 2021	-4.1	12.1	-19.8	1.6	91.0	—	—
December 2021	-15.8	-2.1	-31.6	1.0	91.1	—	—
January 2022	-22.2	-5.7	-35.5	1.2	86.6	—	—
February 2022	-21.6	-4.8	-40.0	1.1	82.3	—	—
March 2022	-8.3	10.7	-30.0	1.2	74.7	—	—
April 2022	-0.9	15.1	-20.3	1.4	74.1	—	—
May 2022	8.8	22.9	-3.7	1.0	76.0	92.8	123.6
June 2022	14.7	35.3	2.6	1.0	75.5	119.1	108.8
July 2022	18.2	32.7	7.6	0.8	77.5	103.1	139.6
August 2022	17.5	30.3	6.4	0.7	81.6	96.8	42.8
September 2022	12.1	27.6	-1.5	0.9	79.9	76.5	24.4
October 2022	4.7	21.4	-7.1	1.2	83.9	—	36.8
November 2022	-4.8	16.20	-20.8	1.34	89.9	—	17.5
December 2022	-15.1	-1.8	-34.7	1.2	91.4	—	—
January 2023	-12.8	-0.79	-34.0	0.56	93.6	—	—
February 2023	-15.4	3.6	-37.5	1.1	82.5	—	—
March 2023	-9.6	7.3	-30.3	0.9	70.2	—	—
April 2023	-0.9	21.2	-21.2	1.3	67.4	—	—
May 2023	13.0	31.7	-3.0	1.0	59.4	119.1	12.2
June 2023	19.0	34.7	4.5	0.6	70.8	141.0	44.4

Notes:
(1) Operational error resulted in logger stopping in September. Logging resumed on October 26.
(2) Rainfall and evaporation data collection began in August 2021, was winterized for November 2021, and continued in May 2022.
°C = degrees Celsius; m/s = metres per second; — = no available data.

5.0 PUBLISHED AIR QUALITY DATA

Measurement of regional background concentrations and transport of pollutants from regional source (including transboundary) is an objective of the ECCC's NAPS Network (CCME 2019). The Government of Ontario (2020) *Air Quality in Ontario 2020 Report* states:

> Air pollutants [...] can travel hundreds of kilometres, affecting areas far from the source of the pollution. The long-range transport and transboundary flow of air pollutants play a significant role in Ontario's air quality [and] transboundary sources from around the globe (global background) are also significant contributors to Ontario's ozone levels.

The NAPS network operates hundreds of long-term monitoring stations across the country. The NAPS network reports background air chemistry data that are collected for various gases and PM, as well as VOCs and SVOCs. NAPS stations located in Pickle Lake, Thunder Bay, Simcoe and Winnipeg were chosen for comparison to the baseline data collected at the Project site. As this baseline report supports a cumulative effects assessment, the data presented from the NAPS network, where used, will form a conservative overestimate of background concentrations where measurements could not be taken on site. That is, Project effects being added on top of higher baseline concentrations (due to less remote locations of regional staitons) will result in higher cumulative effects being predicted. This lends itself to a conservative approach when assessing the effects on air quality from the Project. The onsite data collected in the baseline air monitoring program provide data for comparison against the regional NAPS data and aid in characterizing the existing air quality at the remote Project site. The air quality assessment will provide rationale for the selection of baseline concetrations for the purposes of cumulative effects predictions.

No 2021 data were available for the Winnipeg station at the time of writing.

No relevant publicly available air quality data were found besides those from the NAPS network.

For the discrete samples (VOCs and PAHs), half of the detection limit was used for values less than the method detection limit when calculating statistics.

Table 5-1 to Table 5-6 provide summaries of regional air quality data obtained for this study.

5.1 Fine Particulate Matter (PM_{10})

The Project monitoring concentrations measured at the SP2 continuous monitor are reasonably consistent with the averages and 50th percentiles at the NAPS stations. The average and 90th percentile concentrations measured at the SP1 discrete monitor (Table 4-5) are comparable to those measured at the NAPS stations. The $PM_{2.5}$ statistics from Thunder Bay and Winnipeg are provided in Table 5-2.

5.2 Nitrogen Dioxide

The Project's passive nitrogen dioxide samplers measured much lower average concentrations than those of the Thunder Bay and Winnipeg Ellen St. monitors. Data collected from the Project's passive nitrogen dioxide samplers (Table 4-7) consisted of lower nitrogen dioxide values than those collected at the Winnipeg NAPS monitor.

5.3 Sulphur Dioxide

The Project's passive sulphur dioxide monitoring passive samplers measured averages (Table 4-8) similar to the average 24-hour concentrations measured at the Winnipeg Ellen St. station. The background sulphur dioxide statistics from Winnipeg are provided in Table 5-3.

5.4 Carbon Monoxide and Ozone

The background carbon monixide and ozone statistics from Winnipeg Ellen St. and Pickle Lake stations respectively are provided in Table 5-4 and Table 5-5.

5.5 Volatile Organic Compounds

For background VOC concentrations, the most recent years of complete data were taken from the Experimental Farm station located in Simcoe, Ontario. Benzene, toluene, xylene, and 1,3-butadiene were measured using a gas chromatograph with mass spectrometry detection, and ethylene was measured using a gas chromatograph with flame ionization detection. For all contaminants, one 4-hour measurement was taken every six days throughout the year. The background VOC statistics from Experimental Farm station are provided in Table 5-6.

5.6 Polycyclic Aromatic Hydrocarbons

For background PAH concentrations, the most recent years of complete data were taken from the Experimental Farm station located in Simcoe, Ontario. Benzo(a)pyrene was used as a surrogate contaminant for all PAHs. At the NAPS station, benzo(a)pyrene was measured using a gas chromatograph with mass spectrometry detection, with one 24-hour measurement taken every six days throughout the year. The background PAH statistics are provided in Table 5-6.

Table 5-1: Regional $PM_{2.5}$ Statistics (µg/m³)

Station	Averaging Period	CAAQS	Measurement	2018	2019	2020	2021
Thunder Bay	1-hour	N/A	Mean	6	5	5	7
			90th percentile	12	10	10	12
	24-hour	27	Mean	6	5	5	7
			90th percentile	11	9	9	11
Winnipeg Ellen St	1-hour	N/A	Mean	7	6	5	—
			90th percentile	12	10	10	—
	24-hour	27	Mean	7	6	5	—
			90th percentile	12	9	9	—

Note:

N/A = not applicable; — = no available data.

Table 5-2: Regional Nitrogen Dioxide Statistics (ppb)

Station	Averaging Period	Standard / AAQC	Measurement	2018	2019	2020	2021
Thunder Bay	1-hour	200 (400 µg/m³)	Mean	8	7	6	6
			90th percentile	16	15	14	15
	24-hour	100 (200 µg/m³)	Mean	8	7	6	6
			90th percentile	14	13	12	13
Winnipeg Ellen St.	1-hour	200 (400 µg/m³)	Mean	9	10	8	—
			90th percentile	16	16	14	—
	24-hour	100 (200 µg/m³)	Mean	9	10	8	—
			90th percentile	14	15	12	—

Note:

— = no available data.

Table 5-3: Regional Sulphur Dioxide Statistics (ppb)

Station	Parameter	Averaging Period	Standard / AAQC	Measurement	2018	2019(2)	2020(2)	2021
Winnipeg Ellen St.	SO_2	1-hour	40 (106 µg/m³)	Mean	0.1	0.0	0.0	—
				90th percentile	0.4	0.0	0.0	—
		24-hour	100 (275 µg/m³)(1)	Mean	0.1	0.0	0.0	—
				90th percentile	0.5	0.0	0.0	—

Notes:

(1) No 24-hour AAQC, O.Reg. 419/05 Standard used.

(2) One decimal place provided by ECCC.

— = no available data.

Table 5-4: Regional Ozone Statistics (ppb)

Station	Averaging Period	Standard / AAQC	Measurement	2018	2019	2020	2021
Pickle Lake	1-hour	80 (165 µg/m^3)	Mean	30	30	29	30
			90th percentile	44	42	40	42
	24-hour	N/A	Mean	30	30	29	30
			90th percentile	43	41	38	40

Table 5-5: Regional Carbon Monoxide Statistics (ppm)

Station	Averaging Period	Standard / AAQC	Measurement	2018	2019	2020	2021
Winnipeg Ellen St	1-hour	30 (36,200 µg/m^3)	Mean	0.03	0.02	0.01	—
			90th percentile	0.10	0.04	0.02	—
	8-hour	13 (15,700 µg/m^3)	Mean	0.03	0.01	0.00	—
			90th percentile	0.10	0.00	0.00	—

Note:

ppm = parts per million; — = no available data.

Table 5-6: Regional Volatile Organic Compound and Polycyclic Aromatic Hydrocarbon Statistics (µg/m³)

Station	Parameter	Averaging Period	Criteria	Measurement (1)(2)	2017	2018	2019	2021
Experimental Farm	Benzene	Annual	0.45	Mean	2.73×10^{-1}	2.99×10^{-1}	2.45×10^{-1}	2.60×10^{-1}
				90th percentile	4.69×10^{-1}	4.90×10^{-1}	3.85×10^{-1}	4.25×10^{-1}
		24-hour	2.3	Mean	2.73×10^{-1}	2.99×10^{-1}	2.45×10^{-1}	2.60×10^{-1}
				90th percentile	4.69×10^{-1}	4.90×10^{-1}	3.85×10^{-1}	4.25×10^{-1}
	Toluene	24-hour	2,000	Mean	2.22×10^{-1}	2.07×10^{-1}	2.26×10^{-1}	2.28×10^{-1}
				90th percentile	4.58×10^{-1}	3.83×10^{-1}	3.90×10^{-1}	3.57×10^{-1}
	Xylene	24-hour	730	Mean	9.56×10^{-2}	9.41×10^{-2}	1.02×10^{-1}	1.12×10^{-1}
				90th percentile	1.99×10^{-1}	2.14×10^{-1}	1.84×10^{-1}	1.85×10^{-1}
	Ethylbenzene	24-hour	1,000	Mean	3.81×10^{-2}	3.60×10^{-2}	3.70×10^{-2}	4.05×10^{-2}
				90th percentile	8.39×10^{-2}	7.30×10^{-2}	6.93×10^{-2}	6.75×10^{-2}
	1,3-butadiene	24-hour	10	Mean	7.85×10^{-3}	6.50×10^{-3}	1.28×10^{-2}	2.64×10^{-1}
				90th percentile	1.43×10^{-2}	1.24×10^{-2}	2.14×10^{-2}	2.44×10^{-1}
		Annual	2	Mean	7.85×10^{-3}	6.50×10^{-3}	1.28×10^{-2}	2.64×10^{-1}
				90th percentile	1.43×10^{-2}	1.24×10^{-2}	2.14×10^{-2}	2.44×10^{-1}
	Formaldehyde	24-hour	65	Mean	5.58×10^{-1}	3.45×10^{-1}	6.66×10^{-1}	—
				90th percentile	9.54×10^{-1}	4.38×10^{-1}	1.52×10^{0}	—
	Acetaldehyde	0.5-hour	500	Mean	6.47×10^{-1}	4.78×10^{-1}	2.09×10^{0}	—
				90th percentile	1.07×10^{0}	8.06×10^{-1}	7.00×10^{0}	—
		24-hour	500	Mean	6.47×10^{-1}	4.78×10^{-1}	2.09×10^{0}	—
				90th percentile	1.07×10^{0}	8.06E × 10^{-1}	7.00×10^{0}	—
	Benzo(a)pyrene	Annual	1×10^{-5}	Mean	1.67×10^{-5}	1.79×10^{-5}	1.53×10^{-5}	—
				90th percentile	3.64×10^{-5}	3.58×10^{-5}	3.01×10^{-5}	—
		24-hour	5×10^{-5}	Mean	1.67×10^{-5}	1.79×10^{-5}	1.53×10^{-5}	—
				90th percentile	3.64×10^{-5}	3.58×10^{-5}	3.01×10^{-5}	—

Notes:
(1) VOC list based on those parameters commonly used as surrogates for VOCs and/or by the Ontario Ministry of Transportation. No acrolein data were available from the station.
(2) VOC measurements were based on a 4-hour sample interval with the exception of acetaldehyde and formaldehyde, which were based on a 24-hour interval.
— = no available data.

6.0 CONCLUSION

An ambient air quality baseline monitoring program was initiated in the summer of 2020 to establish baseline air concentrations at the Project site. One ambient air monitoring and weather station was installed in July 2020, and a supplementary air quality monitoring station was installed in the summer of 2021. This report contains the available data from 2021 and 2022.

Ambient air concentrations for the following contaminants were measured in 2021 and 2022:

- Dustfall;
- $PM_{2.5}$;
- PM_{10};
- SPM;
- Metals as constituents of SPM;
- Passive sulphur dioxide and nitrogen dioxide; and
- Passive VOCs.

The monitoring data were generally consistent with what would be expected for a remote location and with the regional data. Results for nitrogen dioxide, sulphur dioxide, VOCs, and metals were typically either very low or non-detect.

Ambient air concentrations were also summarized from regional NAPS stations to supplement onsite measurements for the following contaminants:

- $PM_{2.5}$;
- Nitrogen dioxide;
- Sulphur dioxide;
- Ozone;
- Carbon monoxide;
- VOCs; and
- PAHs.

7.0 CLOSING

This Baseline Air Quality Monitoring Data Summary Report was prepared for FMG by WSP. The quality of information, conclusions and scheduling estimates contained here is consistent with the level of effort involved in WSP's services and based on 1) information available at the time of preparation; 2) data supplied by outside sources; and 3) the assumptions, conditions and qualifications set forth in this report.

Yours truly,

WSP Canada Inc.

Prepared by:	Reviewed by:
Ryan Fletcher, P.Eng. Air Quality Engineer	Caleb Vandenberg, P.Eng. Air Quality Engineer

8.0 REFERENCES

American Society for Testing and Materials (ASTM). 2004. Standard Test Method for Collection and Measurement of Dustfall (Settleable Particualte Matter).

Canadian Council of Ministers of the Environment (CCME). 2014. Canadian Ambient Air Quality Standards. https://www.ccme.ca/en/resources/air/.

Canadian Council of Ministers of the Environment (CCME). 2019. Ambient Air Monitoring and Quality Assurance/Quality Control Guidelines – National Air Pollution Surveillance Program. ISBN 978-1-77202-056-4.

Environment and Climate Change Canada (ECCC). 2022. National Air Pollution Surveillance Program.

Government of Ontario. 2020. Air Quality in Ontario 2020 Report. https://www.ontario.ca/document/air-quality-ontario-2020-report [accessed on May 9, 2023]

Her Majesty the Queen in Right of the Province of British Columbia. (BC) 2020. Section G AIR CONSTITUENTS – INORGANIC

Istituti Clinici Scientifici Maugeri. 2019. Radiello User Manual 2019.

Ministry of the Environment, Conservation and Parks (MECP). 2019. Operations Manual for Air Quality Monitoring in Ontario.

Ministry of the Environment, Conservation and Parks (MECP). 2020. Ambient Air Quality Criteria. Human Toxicology and Air Standards Section, Technical Assessment and Standards Development Branch, Ontario Ministry of the Environment, Conservation and Parks. May 1, 2020.

United States Environmental Protection Agency (US EPA). 2019. Method 325A - Volatile Organic Compounds from Fugitive and Area Sources

United States Environmental Protection Agency (US EPA). 2021. List of Designated Reference and Equivalent Methods

Wood Environment & Infrastructure Americas (Wood). 2021. Air Quality Monitoring Plan – Springpole Gold Project.

Attachment A
Laboratory Results

FIRST MINING GOLD
ATTN: Shaun Groulx
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 05-APR-21
Report Date: 21-APR-21 07:48 (MT)
Version: FINAL REV. 2

Client Phone: 844-306-8827

Certificate of Analysis

Lab Work Order #: L2573171

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Comments:
21-APR-2021 Sublet report attached

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

19-Apr-2021

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **First Mining Gold** Work Order: **21040462**

Dear Gayle,

ALS Environmental received 2 samples on 08-Apr-2021 11:51 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 19-Apr-21

Client: ALS Laboratory Group
Project: First Mining Gold
Work Order: **21040462**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
21040462-01	SP1-220221	Air		2/22/2021	4/8/2021 11:51	☐
21040462-02	SP1-22021-TRIP BLANK	Air		2/22/2021	4/8/2021 11:51	☐

ALS Environmental

Date: 19-Apr-21

Client: ALS Laboratory Group
Project: First Mining Gold
Work Order: 21040462

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *19-Apr-21*

Client: ALS Laboratory Group
Project: First Mining Gold

Work Order: 21040462

Lab ID: 21040462-01A
Client Sample ID: SP1-220221

Collection Date: 2/22/2021
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 4/15/21 12:04		Analyst: **SRL**
Nitrogen Dioxide	**1.1**		**1.0**	**µg/sample**	1	4/15/2021 01:44 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	4/15/2021 01:44 PM

Lab ID: 21040462-02A
Client Sample ID: SP1-22021-TRIP BLANK

Collection Date: 2/22/2021
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 4/15/21 12:04		Analyst: **SRL**
Nitrogen Dioxide	ND		1.0	µg/sample	1	4/15/2021 01:55 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	4/15/2021 01:55 PM

Note:

ALS Environmental

Date: 19-Apr-21

Client: ALS Laboratory Group

Work Order: 21040462

Project: First Mining Gold

QC BATCH REPORT

Batch ID: **73885** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-73885-73885** Units: Analysis Date: **4/15/2021 01:00 PM**

Client ID: Run ID: **IC2_210416A** SeqNo: **2442395** Prep Date: **4/15/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-73885-73885** Units: Analysis Date: **4/15/2021 01:11 PM**

Client ID: Run ID: **IC2_210416A** SeqNo: **2442396** Prep Date: **4/15/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.486	1.0	5	0	110	70-130	0			
Sulfur Dioxide	5.178	1.0	5	0	104	70-130	0			

LCSD Sample ID: **LCSD-73885-73885** Units: Analysis Date: **4/15/2021 01:22 PM**

Client ID: Run ID: **IC2_210416A** SeqNo: **2442397** Prep Date: **4/15/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.456	1.0	5	0	109	70-130	5.486	0.548	20	
Sulfur Dioxide	5.122	1.0	5	0	102	70-130	5.178	1.07	20	

The following samples were analyzed in this batch: 21040462-01A 21040462-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 19-Apr-21

Client: ALS Laboratory Group
Project: First Mining Gold
WorkOrder: **21040462**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **08-Apr-21 11:51**

Work Order: **21040462** Received by: **DNS**

Checklist completed by Jan Wilcox 08-Apr-21 Reviewed by: Shawn Smythe 12-Apr-21

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

AIR

L2573171-COFC

anister/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required	Service Requested		Rush 3 day (100%)	☐
	10 day (regular)	☑	Rush 2 day (200%)	☐
	Rush 5 day (50%)	☐	Rush 1 day (300%) - Enquire	☐

COMPANY NAME	First Mining Gold	CRITERIA	
OFFICE		Reg 419/05 ☐	Reg 153/04 SVI ☐
PROJECT MANAGER	Shaun Groulx	OTHER ☑	Please List EPA 325
PROJECT #	271-04-08		
PHONE 1.844.306.8827	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #		EMAIL x FAX BOTH	
QUOTATION # Q81056	PO #	SELECT: PDF x DIGITAL x BOTH	
		EMAIL 1 shaun@firstmininggold.com	
		EMAIL 2 ryan.fletcher@woodplc.com	

All rush work requires lab approval before sample submission

SUBMISSION #: L2573171

ENTERED BY: PStaSny

DATE/TIME ENTERED: 5-Apr-21

BIN #:

SAMPLING INFORMATION

Sample Date/Time		Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L ☐ or m^3	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
Date (dd-mmm-yy)	Time (24hr) (hh:mm)																
22-03-21	14:00	SP-1-270321	na	AA	SP1-270321		x	x									-1
22-03-21	14:00	~~Field~~ trip blank	na		SP1-270321-Trip		x	x									-2

SPECIAL INSTRUCTIONS/COMMENTS	Matrix Type	This Chain of Custody Form is only to be used for Air Quality Samples	SAMPLE CONDITION AS RECEIVED
		Soil Gas Vapour = SG; Indoor Air = IA; Ambient Air = AA; Industrial Hygiene = IH	FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☑ MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME	OBSERVATIONS Yes ☐ No ☐ If yes add SIF	INIT
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME		

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 11-MAY-21
Report Date: 25-MAY-21 15:46 (MT)
Version: FINAL

Client Phone: 844-306-8827

Certificate of Analysis

Lab Work Order #: L2586046

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

25-May-2021

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **FIRST MINING GOLD** Work Order: **21050975**

Dear Gayle,

ALS Environmental received 2 samples on 18-May-2021 10:15 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 25-May-21

Client: ALS Laboratory Group
Project: FIRST MINING GOLD
Work Order: **21050975**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
21050975-01	SP1-240421	Air		4/24/2021 12:00	5/18/2021 10:15	☐
21050975-02	SP1-240421 TRIP	Air		4/24/2021 12:00	5/18/2021 10:15	☐

ALS Environmental

Date: 25-May-21

Client: ALS Laboratory Group
Project: FIRST MINING GOLD
Work Order: 21050975

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *25-May-21*

Client: ALS Laboratory Group
Project: FIRST MINING GOLD

Work Order: 21050975

Analytical Results

Lab ID: 21050975-01A
Collection Date: 4/24/2021 12:00:00 PM
Client Sample ID: SP1-240421
Matrix: AIR

Analyses

DIOXIDES BY RADIELLO		Method: **IC**	Time (Min): **0**	Analyst: **SRL**
Date Analyzed: 5/24/2021 21:59	µg/sample	Reporting Limit µg/sample		
Nitrogen Dioxide	ND	1.0		
Sulfur Dioxide	ND	1.0		

Lab ID: 21050975-02A
Collection Date: 4/24/2021 12:00:00 PM
Client Sample ID: SP1-240421 TRIP
Matrix: AIR

Analyses

DIOXIDES BY RADIELLO		Method: **IC**	Time (Min): **0**	Analyst: **SRL**
Date Analyzed: 5/24/2021 22:10	µg/sample	Reporting Limit µg/sample		
Nitrogen Dioxide	ND	1.0		
Sulfur Dioxide	ND	1.0		

Note:

ALS Environmental

Date: 25-May-21

Client: ALS Laboratory Group

QC BATCH REPORT

Work Order: 21050975

Project: FIRST MINING GOLD

Batch ID: **74798** Instrument ID **IC2** Method: **IC**

MBLK	Sample ID: **MBLK-74798-74798**			Units: **µg/sample**			Analysis Date: **5/24/2021 09:16 PM**			
Client ID:	Run ID: **IC2_210524A**			SeqNo: **2475149**			Prep Date: **5/24/2021**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	3.644	1.0								
Sulfur Dioxide	2.944	1.0								

LCS	Sample ID: **LCS-74798-74798**			Units: **µg/sample**			Analysis Date: **5/24/2021 09:27 PM**			
Client ID:	Run ID: **IC2_210524A**			SeqNo: **2475150**			Prep Date: **5/24/2021**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.644	1.0	5	0	92.9	70-130	0			
Sulfur Dioxide	5.652	1.0	5	0	113	70-130	0			

LCSD	Sample ID: **LCSD-74798-74798**			Units: **µg/sample**			Analysis Date: **5/24/2021 09:38 PM**			
Client ID:	Run ID: **IC2_210524A**			SeqNo: **2475151**			Prep Date: **5/24/2021**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.714	1.0	5	0	94.3	70-130	4.644	1.51	20	
Sulfur Dioxide	5.736	1.0	5	0	115	70-130	5.652	1.47	20	

The following samples were analyzed in this batch: 21050975-01A 21050975-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 25-May-21

Client: ALS Laboratory Group
Project: FIRST MINING GOLD
WorkOrder: **21050975**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **18-May-21 10:15**

Work Order: **21050975** Received by: **RDN**

Checklist completed by Jan Wilcox 19-May-21 Reviewed by: Shawn Smythe 19-May-21

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:



L2586046-COFC

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8

Phone: (519) 886-6910

Fax: (519) 886-9047
Toll Free: 1-800-668-9878

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: All TAT Quoted is in business days which exclude statutory holidays and weekends. TAT of samples received past 3:00 pm or Saturday / Sunday begin the next day.

Specify date required

Service Requested

- 10 day (regular)
- Rush 5 day (50%)
- Rush 3 day (100%)
- Rush 2 day (200%)
- Rush 1 day (300%) - Enquire

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Shelley Frost
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 Reg 153/04 SVI

OTHER Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 shelley@firstmininggold.com EMAIL 2 ryan.fletcher@woodplc.com

ANALYSIS REQUEST

All rush work requires lab approval before sample submission

SUBMISSION #: L2586046

ENTERED BY:

DATE/TIME ENTERED:

BIN #:

SAMPLING INFORMATION

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	VOLUME - L	SO2	NO2	STAT	END	COLL	Field Conditions (Rain/Wind/ Dust/Odour) Field PID Reading	LAB ID
24-04-21	12:00	SP1-240421	na	AA	SP1-240421		x	x					
24-04-21	12:00	SP1-240421	na		SP1-240421 Trip		x	x					

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Soil Gas Vapour = SG Indoor Air = IA

Ambient Air = AA Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN
COLD
COOLING INITIATED
AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME

OBSERVATIONS
Yes No If yes add SIF

INIT

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 22-JUN-21
Report Date: 06-JUL-21 14:40 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2604348

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

01-Jul-2021

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **First Mining Gold** Work Order: **21061099**

Dear Gayle,

ALS Environmental received 2 samples on 23-Jun-2021 09:35 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 01-Jul-21

Client: ALS Laboratory Group
Project: First Mining Gold
Work Order: **21061099**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
21061099-01	SP1-280521	Air		5/28/2021 12:00	6/23/2021 09:35	☐
21061099-02	SP1-260521TRIP	Air		6/28/2021 12:00	6/23/2021 09:35	☐

ALS Environmental

Date: 01-Jul-21

Client:	ALS Laboratory Group
Project:	First Mining Gold
Work Order:	21061099

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *01-Jul-21*

Client: ALS Laboratory Group
Project: First Mining Gold

Work Order: 21061099

Lab ID: 21061099-01A
Client Sample ID: SP1-280521

Collection Date: 5/28/2021 12:00:00 PM
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 6/25/21 12:49		Analyst: **SRL**
Nitrogen Dioxide	**2.0**		**1.0**	**µg/sample**	1	6/28/2021 04:07 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	6/28/2021 04:07 PM

Lab ID: 21061099-02A
Client Sample ID: SP1-260521TRIP

Collection Date: 6/28/2021 12:00:00 PM
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 6/25/21 12:49		Analyst: **SRL**
Nitrogen Dioxide	ND		1.0	µg/sample	1	6/28/2021 04:18 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	6/28/2021 04:18 PM

Note:

ALS Environmental

Date: 01-Jul-21

Client: ALS Laboratory Group

Work Order: 21061099

Project: First Mining Gold

QC BATCH REPORT

Batch ID: **75594** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-75594-75594** Units: **µg/sample** Analysis Date: **6/28/2021 03:24 PM**

Client ID: Run ID: **IC2_210625A** SeqNo: **2504472** Prep Date: **6/25/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-75594-75594** Units: **µg/sample** Analysis Date: **6/28/2021 03:34 PM**

Client ID: Run ID: **IC2_210625A** SeqNo: **2504473** Prep Date: **6/25/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.986	1.0	5	0	99.7	70-130	0			
Sulfur Dioxide	5.146	1.0	5	0	103	70-130	0			

LCSD Sample ID: **LCSD-75594-75594** Units: **µg/sample** Analysis Date: **6/28/2021 03:45 PM**

Client ID: Run ID: **IC2_210625A** SeqNo: **2504474** Prep Date: **6/25/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.512	1.0	5	0	110	70-130	4.986	10	20	
Sulfur Dioxide	5.693	1.0	5	0	114	70-130	5.146	10.1	20	

The following samples were analyzed in this batch: 21061099-01A 21061099-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 01-Jul-21

Client: ALS Laboratory Group
Project: First Mining Gold
WorkOrder: **21061099**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **23-Jun-21 09:35**

Work Order: **21061099** Received by: **AB**

Checklist completed by Jan Wilcox 24-Jun-21 Reviewed by: Shawn Smythe 24-Jun-21

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	14.3	119059	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

L2604348-COFC

AIR QUA er/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required	Service Requested	
	10 day (regular)	☑
	Rush 5 day (50%)	☐
	Rush 3 day (100%)	☐
	Rush 2 day (200%)	☐
	Rush 1 day (300%) - Enquire	☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Shelley Frost
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 shelley@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

All rush work requires lab approval before sample submission

SUBMISSION #: L2604348

ENTERED BY: P. Stafford

DATE/TIME ENTERED: 22-July-21

BIN #:

SAMPLING INFORMATION

Sample Date/Time		Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - L ☐ or m³ ☐	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
Date (dd-mmm-yy)	Time (24hr) (hh:mm)																
28-05-21	12:00	SP1-280521	na	AA	SP1-280521		x	x									-1
28-05-21	12:00	SP1-280521	na		SP1-280521 Trip		x	x									-2

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type: Soil Gas Vapour = SG; Indoor Air = IA; Ambient Air = AA; Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐ COLD ☐ COOLING INITIATED ☑ AMBIENT ☐

MEAN TEMP 14

SAMPLED BY: James Duivenvoorden	DATE & TIME	RECEIVED BY: P Stafford	DATE & TIME 22-June-21 10:49	OBSERVATIONS Yes ☐ No ☐ If yes add SIF	INIT
RELINQUISHED BY: James Duivenvoorden	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME		

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

Field Chain-of-Custody Record

Page 1 of 1

☑ REGULAR Status ☐ RUSH Status

Cooler Temp: _____ (Lab only)

L2604348

Date 11-MAY-21 Purchase Order No. ~~L2560046~~ Billing Address (if different)

Company Name ALS LONDON

Address 29-309 Exeter Rd, London, ON N6L 1C1

City State Zip

Person to Contact GAYLE BRAUN Project No. FIRST MINING GOLD

Email Address gayle.braun@alsglobal.com Sampling Site

Telephone ( ) 519-421-6566 Date/Time of Collection 28-May-21

Fax Telephone ( ) VAP ☐ Yes ☐ No

L2604348-COFC

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: NO2	SO2							No. of Containers
	SP1-280521	28-May-21	12:00				✓	✓							
	SP1-280521 TRIP	28-May-21	12:00				✓	✓							

Notes:

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (*Signature*)	Time / Date	Received by: (*Signature*)	Time / Date
	22-June-21		
Relinquished by: (*Signature*)	Time / Date	Received by: (*Signature*)	Time / Date
Relinquished by: (*Signature*)	Time / Date	Received by: (*Signature*)	Time / Date

Ship to: **ALS Environmental**
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill #

Date / Time:

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 13-AUG-21
Report Date: 03-SEP-21 10:48 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2626688

Project P.O. #: 2021-ALS-0019
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

01-Sep-2021

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **Springpole Mine; L2626688** Work Order: **21080610**

Dear Gayle,

ALS Environmental received 4 samples on 17-Aug-2021 09:57 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 8.

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

Sincerely,

Shawn Smythe

Electronically approved by: Danielle Strasinger

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 01-Sep-21

Client: ALS Laboratory Group
Project: Springpole Mine; L2626688
Work Order: **21080610**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
21080610-01	L2626688-1 SP1-RD-240621	Air		7/24/2021	8/17/2021 09:57	☐
21080610-02	L2626688-2 SP1-RD-240621 Trip Blank	Air		7/24/2021	8/17/2021 09:57	☐
21080610-03	L2626688-3 SP1-RD-250721	Air		7/25/2021	8/17/2021 09:57	☐
21080610-04	L2626688-4 SP1-RD-250721 Trip Blank	Air		7/25/2021	8/17/2021 09:57	☐

ALS Environmental

Date: 01-Sep-21

Client: ALS Laboratory Group
Project: Springpole Mine; L2626688
Work Order: 21080610

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *01-Sep-21*

Client: ALS Laboratory Group
Project: Springpole Mine; L2626688

Work Order: 21080610

Analytical Results

Lab ID: 21080610-01A **Collection Date:** 7/24/2021
Client Sample ID: L2626688-1 SP1-RD-240621 **Matrix:** AIR

Analyses

DIOXIDES BY RADIELLO Method: **IC** Time (Min): **0** Analyst: **TH**
Date Analyzed: 9/1/2021 13:15

	µg/sample	Reporting Limit µg/sample
Nitrogen Dioxide	ND	1.0
Sulfur Dioxide	ND	1.0

Lab ID: 21080610-02A **Collection Date:** 7/24/2021
Client Sample ID: L2626688-2 SP1-RD-240621 Trip Blank **Matrix:** AIR

Analyses

DIOXIDES BY RADIELLO Method: **IC** Time (Min): **0** Analyst: **TH**
Date Analyzed: 9/1/2021 13:23

	µg/sample	Reporting Limit µg/sample
Nitrogen Dioxide	ND	1.0
Sulfur Dioxide	ND	1.0

Lab ID: 21080610-03A **Collection Date:** 7/25/2021
Client Sample ID: L2626688-3 SP1-RD-250721 **Matrix:** AIR

Analyses

DIOXIDES BY RADIELLO Method: **IC** Time (Min): **0** Analyst: **TH**
Date Analyzed: 9/1/2021 13:32

	µg/sample	Reporting Limit µg/sample
Nitrogen Dioxide	ND	1.0
Sulfur Dioxide	**3.0**	**1.0**

Note:

ALS Environmental

Date: *01-Sep-21*

Client: ALS Laboratory Group
Project: Springpole Mine; L2626688

Work Order: 21080610

Analytical Results

Lab ID: 21080610-04A
Collection Date: 7/25/2021
Client Sample ID: L2626688-4 SP1-RD-250721 Trip Blank
Matrix: AIR

Analyses

DIOXIDES BY RADIELLO Method: **IC** Time (Min): **0** Analyst: **TH**

Date Analyzed: 9/1/2021 13:40

	µg/sample	Reporting Limit µg/sample	ppb
Nitrogen Dioxide	ND	1.0	NA
Sulfur Dioxide	ND	1.0	NA

Note:

ALS Environmental

Date: 01-Sep-21

Client: ALS Laboratory Group

Work Order: 21080610

Project: Springpole Mine; L2626688

QC BATCH REPORT

Batch ID: **76972** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-76972-76972** Units: **µg/sample** Analysis Date: **9/1/2021 12:41 PM**

Client ID: Run ID: **IC2_210831A** SeqNo: **2551602** Prep Date: **8/31/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-76972-76972** Units: **µg/sample** Analysis Date: **9/1/2021 12:50 PM**

Client ID: Run ID: **IC2_210831A** SeqNo: **2551603** Prep Date: **8/31/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	1.367	1.0	5	0	27.3	70-130	0			S
Sulfur Dioxide	5.281	1.0	5	0	106	70-130	0			

LCSD Sample ID: **LCSD-76972-76972** Units: **µg/sample** Analysis Date: **9/1/2021 12:58 PM**

Client ID: Run ID: **IC2_210831A** SeqNo: **2551604** Prep Date: **8/31/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	1.386	1.0	5	0	27.7	70-130	1.367	1.39	20	S
Sulfur Dioxide	5.208	1.0	5	0	104	70-130	5.281	1.39	20	

The following samples were analyzed in this batch: 21080610-01A 21080610-02A 21080610-03A 21080610-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 01-Sep-21

Client: ALS Laboratory Group
Project: Springpole Mine; L2626688
WorkOrder: **21080610**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **17-Aug-21 09:57**

Work Order: **21080610** Received by: **MS**

Checklist completed by Alec Bolender (eSignature) 17-Aug-21 (Date) Reviewed by: Shawn Smythe (eSignature) 19-Aug-21 (Date)

Matrices: air

Carrier name: DHL

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

AP

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required

Service Requested

- 10 day (regular) ☑
- Rush 5 day (50%) ☐
- Rush 3 day (100%) ☐
- Rush 2 day (200%) ☐
- Rush 1 day (300%) - Enquire ☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Shelley Frost
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 shelley@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com
mark@firstmininggold.com

All rush work requires lab approval before sample submission

SUBMISSION #: L2626688
ENTERED BY: AP
DATE/TIME ENTERED:

L2626688-COFC

SAMPLING INFORMATION

ANALYSIS REQUEST

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L ☐ or m^3	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	Sampling ("Hg) ENDII	COLL	Field PID Reading	
24-Jun	12:00	SP1-RD-240621	na	AA	SP1-RD-240621		x	x									
			na		SP1-RD-240621 Trip Blank		x	x									
25-Jul	12:00	SP1-RD-250721	na	AA	SP1-RD-250721		x	x									
			na		SP1-RD-250721 Trip Blank		x	x									

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type: Soil Gas Vapour = SG; Indoor Air = IA; Ambient Air = AA; Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☐

MEAN TEMP: 19.1

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME	OBSERVATIONS Yes ☐ No ☐ If yes add SIF
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: AP	DATE & TIME 8/15/21 11:00	INIT

Notes

1. Quote number must be provided to ensure proper pricing
2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.
3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 11-NOV-21
Report Date: 01-DEC-21 15:42 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2662865

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

01-Dec-2021

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **L2662565: First Mining Gold; 271-04-08** Work Order: **21110620**

Dear Gayle,

ALS Environmental received 2 samples on 17-Nov-2021 10:29 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 01-Dec-21

Client: ALS Laboratory Group
Project: L2662565: First Mining Gold; 271-04-08
Work Order: **21110620**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
21110620-01	SP1-RD-250821	Air		8/25/2021	11/17/2021 10:29	☐
21110620-02	SP1-RD-250821-TRIP BLANK	Air		8/25/2021	11/17/2021 10:29	☐

ALS Environmental

Date: 01-Dec-21

Client:	ALS Laboratory Group
Project:	L2662565: First Mining Gold; 271-04-08
Work Order:	21110620

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *01-Dec-21*

Client: ALS Laboratory Group
Work Order: 21110620
Project: L2662565: First Mining Gold; 271-04-08

Lab ID: 21110620-01A
Collection Date: 8/25/2021
Client Sample ID: SP1-RD-250821
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 11/30/21 08:23		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	11/30/2021 10:49 AM
Sulfur Dioxide	ND		1.0	µg/sample	1	11/30/2021 10:49 AM

Lab ID: 21110620-02A
Collection Date: 8/25/2021
Client Sample ID: SP1-RD-250821-TRIP BLANK
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 11/30/21 08:23		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	11/30/2021 10:56 AM
Sulfur Dioxide	ND		1.0	µg/sample	1	11/30/2021 10:56 AM

Note:

ALS Environmental

Date: 01-Dec-21

Client: ALS Laboratory Group

QC BATCH REPORT

Work Order: 21110620

Project: L2662565: First Mining Gold; 271-04-08

Batch ID: **78766** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-78766-78766** Units: **µg/sample** Analysis Date: **11/30/2021 10:21 AM**

Client ID: Run ID: **IC2_211130A** SeqNo: **2620749** Prep Date: **11/30/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-78766-78766** Units: **µg/sample** Analysis Date: **11/30/2021 10:28 AM**

Client ID: Run ID: **IC2_211130A** SeqNo: **2620750** Prep Date: **11/30/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.028	1.0	5	0	101	70-130	0			
Sulfur Dioxide	5.459	1.0	5	0	109	70-130	0			

LCSD Sample ID: **LCSD-78766-78766** Units: **µg/sample** Analysis Date: **11/30/2021 10:35 AM**

Client ID: Run ID: **IC2_211130A** SeqNo: **2620752** Prep Date: **11/30/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.054	1.0	5	0	101	70-130	5.028	0.506	20	
Sulfur Dioxide	5.361	1.0	5	0	107	70-130	5.459	1.82	20	

The following samples were analyzed in this batch: 21110620-01A 21110620-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 01-Dec-21

Client: ALS Laboratory Group
Project: L2662565: First Mining Gold; 271-04-08
WorkOrder: **21110620**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **17-Nov-21 10:29**

Work Order: **21110620** Received by: **AB**

Checklist completed by Alec Bolender 17-Nov-21 Reviewed by: Shawn Smythe 01-Dec-21

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	7.8	119059	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required

Service Requested

- 10 day (regular) ☑
- Rush 5 day (50%) ☐
- Rush 3 day (100%) ☐
- Rush 2 day (200%) ☐
- Rush 1 day (300%) - Enquire ☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

ANALYSIS REQUEST

All rush work requires lab approval before sample submission

SUBMISSION #:

ENTERED BY:

DATE/TIME ENTERED:

BIN #:

SAMPLING INFORMATION

Sample Date/Time		Canister or Tube ID# (e.g. 060000-**XXXX** or G0**XXXXXX** SVI)	Regulator Serial # CS1200-**XXXX** or G**XX**	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L or ☐ m^3	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	**Field Conditions** (Rain/Wind/Dust/Odour) **Field PID Reading**	LAB ID
Date (dd-mmm-yy)	Time (24hr) (hh:mm)																
25-Aug	12:00	SP1-RD-250821			SP1-RD-250821		X	X									
					SP1-RD-250821 Trip Blank		X	X									

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type

Soil Gas Vapour = SG **Indoor Air = IA**

Ambient Air = AA **Industrial Hygiene = IH**

SAMPLE CONDITION AS RECEIVED

FROZEN ☐
COLD ☐
COOLING INITIATED ☐
AMBIENT ☐

MEAN TEMP

OBSERVATIONS Yes ☐ No ☐ If yes add SIF

INIT

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME
RELINQUISHED BY: Mark Ridgway	DATE & TIME 09-Nov-21 13:00	RECEIVED AT LAB BY:	DATE & TIME

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 14-DEC-21
Report Date: 10-JAN-22 07:28 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2672615

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

22-Dec-2021

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **First Mining Gold; L2672615** Work Order: **21120624**

Dear Gayle,

ALS Environmental received 4 samples on 17-Dec-2021 12:25 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 10.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 22-Dec-21

Client: ALS Laboratory Group
Project: First Mining Gold; L2672615
Work Order: **21120624**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
21120624-01	SP1-RD-251021	Air		10/25/2021	12/17/2021 12:25	☐
21120624-02	SP1-RD-251021 Trip Blank	Air		10/25/2021	12/17/2021 12:25	☐
21120624-03	SP1-RD-231121	Air		11/23/2021	12/17/2021 12:25	☐
21120624-04	SP1-RD-231121 Trip Blank	Air		11/23/2021	12/17/2021 12:25	☐

ALS Environmental

Date: 22-Dec-21

Client: ALS Laboratory Group
Project: First Mining Gold; L2672615
Work Order: 21120624

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *22-Dec-21*

Client: ALS Laboratory Group
Project: First Mining Gold; L2672615
Work Order: 21120624
Sample ID: SP1-RD-251021
Lab ID: 21120624-01
Collection Date: 10/25/2021
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 12/20/21 15:46		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	12/20/2021 10:42 PM
Sulfur Dioxide	**2.7**		**1.0**	**µg/sample**	1	12/20/2021 10:42 PM

Note:

ALS Environmental

Date: *22-Dec-21*

Client: ALS Laboratory Group
Project: First Mining Gold; L2672615
Work Order: 21120624
Sample ID: SP1-RD-251021 Trip Blank
Lab ID: 21120624-02
Collection Date: 10/25/2021
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 12/20/21 15:46		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	12/20/2021 10:49 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	12/20/2021 10:49 PM

Note:

ALS Environmental

Date: *22-Dec-21*

Client: ALS Laboratory Group
Project: First Mining Gold; L2672615
Work Order: 21120624
Sample ID: SP1-RD-231121
Lab ID: 21120624-03
Collection Date: 11/23/2021
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 12/20/21 15:46		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	12/20/2021 10:56 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	12/20/2021 10:56 PM

Note:

ALS Environmental

Date: *22-Dec-21*

Client: ALS Laboratory Group
Project: First Mining Gold; L2672615
Work Order: 21120624
Sample ID: SP1-RD-231121 Trip Blank
Lab ID: 21120624-04
Collection Date: 11/23/2021
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 12/20/21 15:46		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	12/20/2021 11:03 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	12/20/2021 11:03 PM

Note:

ALS Environmental

Date: 22-Dec-21

Client: ALS Laboratory Group

QC BATCH REPORT

Work Order: 21120624

Project: First Mining Gold; L2672615

Batch ID: **80180** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-80180-80180** Units: **µg/sample** Analysis Date: **12/20/2021 10:15 PM**

Client ID: Run ID: **IC2_211220A** SeqNo: **2636624** Prep Date: **12/20/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	0.2625	1.0								J
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-80180-80180** Units: **µg/sample** Analysis Date: **12/20/2021 10:21 PM**

Client ID: Run ID: **IC2_211220A** SeqNo: **2636625** Prep Date: **12/20/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.25	1.0	5	0	105	70-130	0			
Sulfur Dioxide	5.527	1.0	5	0	111	70-130	0			

LCSD Sample ID: **LCSD-80180-80180** Units: **µg/sample** Analysis Date: **12/20/2021 10:28 PM**

Client ID: Run ID: **IC2_211220A** SeqNo: **2636626** Prep Date: **12/20/2021** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.368	1.0	5	0	107	70-130	5.25	2.23	20	
Sulfur Dioxide	5.675	1.0	5	0	114	70-130	5.527	2.65	20	

The following samples were analyzed in this batch:

21120624-01A 21120624-02A 21120624-03A
21120624-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 22-Dec-21

Client: ALS Laboratory Group
Project: First Mining Gold; L2672615
WorkOrder: **21120624**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **17-Dec-21 12:25**

Work Order: **21120624** Received by: **HXP**

Checklist completed by Alec Bolender 17-Dec-21 Reviewed by: Shawn Smythe 20-Dec-21

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: DHL

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required

Service Requested

- 10 day (regular) ☑
- Rush 5 day (50%) ☐
- Rush 3 day (100%) ☐
- Rush 2 day (200%) ☐
- Rush 1 day (300%) - Enquire ☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

All rush work requires lab approval before sample submission

SUBMISSION #:

ENTERED BY:

DATE/TIME ENTERED:

BIN #:

SAMPLING INFORMATION

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L or ☐ m^3	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
25-Oct		SP1-RD-251021			SP1-RD-251021		X	X									
					SP1-RD-251021 Trip Blank		X	X									
23-Nov		SP1-RD-231121			SP1-RD-231121		x	x									
					SP1-RD-231121 Trip Blank		x	x									

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type

Soil Gas Vapour = SG — Indoor Air = IA

Ambient Air = AA — Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☐

MEAN TEMP: 5.1

SAMPLED BY: Mark Ridgway	DATE & TIME	RECEIVED BY:	DATE & TIME	OBSERVATIONS Yes ☐ No ☐	INIT
RELINQUISHED BY:	DATE & TIME Dec 9/21 12:00	RECEIVED AT LAB BY: AJ	DATE & TIME 12/09/21	If yes add SIF	

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 04-FEB-22
Report Date: 28-FEB-22 15:00 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2683807

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

24-Feb-2022

Peter Stastny
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **L2683807** Work Order: **22020312**

Dear Peter,

ALS Environmental received 1 sample on 10-Feb-2022 09:54 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 24-Feb-22

Client: ALS Laboratory Group
Project: L2683807
Work Order: **22020312**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22020312-01	L2683807-1 SP1-RD-231221	Air		12/23/2021	2/10/2022 09:54	☐

ALS Environmental

Date: 24-Feb-22

Client: ALS Laboratory Group
Project: L2683807
Work Order: 22020312

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *24-Feb-22*

Client: ALS Laboratory Group
Project: L2683807
Work Order: 22020312
Sample ID: L2683807-1 SP1-RD-231221
Lab ID: 22020312-01
Collection Date: 12/23/2021
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 2/21/22 13:42		Analyst: **TH**
Nitrogen Dioxide	**1.0**		**1.0**	**µg/sample**	1	2/21/2022 05:19 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	2/21/2022 05:19 PM

Note:

ALS Environmental

Date: 24-Feb-22

Client: ALS Laboratory Group
Work Order: 22020312
Project: L2683807

QC BATCH REPORT

Batch ID: **81192** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-81192-81192** Units: **µg/sample** Analysis Date: **2/21/2022 04:51 PM**
Client ID: Run ID: **IC2_220221A** SeqNo: **2671896** Prep Date: **2/21/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-81192-81192** Units: **µg/sample** Analysis Date: **2/21/2022 04:58 PM**
Client ID: Run ID: **IC2_220221A** SeqNo: **2671897** Prep Date: **2/21/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.936	1.0	5	0	98.7	70-130	0			
Sulfur Dioxide	5.526	1.0	5	0	111	70-130	0			

LCSD Sample ID: **LCSD-81192-81192** Units: **µg/sample** Analysis Date: **2/21/2022 05:05 PM**
Client ID: Run ID: **IC2_220221A** SeqNo: **2671898** Prep Date: **2/21/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.006	1.0	5	0	100	70-130	4.936	1.39	20	
Sulfur Dioxide	5.645	1.0	5	0	113	70-130	5.526	2.12	20	

The following samples were analyzed in this batch: 22020312-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 24-Feb-22

Client: ALS Laboratory Group
Project: L2683807
WorkOrder: **22020312**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **10-Feb-22 09:54**

Work Order: **22020312** Received by: **AB**

Checklist completed by Shawn Smythe 10-Feb-22 Reviewed by: Shawn Smythe 10-Feb-22

eSignature Date eSignature Date

Matrices:

Carrier name: DHL

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required

Service Requested

- 10 day (regular) ☑
- Rush 5 day (50%) ☐
- Rush 3 day (100%) ☐
- Rush 2 day (200%) ☐
- Rush 1 day (300%) - Enquire ☐

All rush work requires lab approval before sample submission

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

SUBMISSION #: L2683807
ENTERED BY: AP
DATE/TIME ENTERED:
BIN #:

SAMPLING INFORMATION

ANALYSIS REQUEST

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - L ☐ or m³ ☐	SO2	NO2	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
23-Dec		SP1-RD-231221			SP1-RD-231221		X	X					

L2683807-COFC

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type: Soil Gas Vapour = SG; Indoor Air = IA; Ambient Air = AA; Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☐

MEAN TEMP: 1°C

SAMPLED BY:	DATE & TIME 02/04/2022 HK	RECEIVED BY: HK	DATE & TIME 02/04/2022 1316	OBSERVATIONS Yes ☐ No ☐	INIT
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: emma	DATE & TIME 02/04/22 5:30	If yes add SIF	

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

✓Ice Packs

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 04-MAY-22
Report Date: 18-MAY-22 07:26 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2704025

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

12-May-2022

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **271-04-08; L2704025** Work Order: **22050327**

Dear Gayle,

ALS Environmental received 4 samples on 10-May-2022 10:05 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 8.

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

Sincerely,

Shawn Smythe

Electronically approved by: Joe Ribar

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 12-May-22

Client: ALS Laboratory Group
Project: 271-04-08; L2704025
Work Order: **22050327**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22050327-01	SP1-RD-240322	Air		3/31/2022	5/10/2022 10:05	☐
22050327-02	SP1-RDBlank-240322	Air		3/31/2022	5/10/2022 10:05	☐
22050327-03	SP1-RD-240122	Air		1/31/2022	5/10/2022 10:05	☐
22050327-04	SP1-TB-240122	Air		1/31/2022	5/10/2022 10:05	☐

Client:	ALS Laboratory Group
Project:	271-04-08; L2704025
Work Order:	22050327

Case Narrative

The sample condition upon receipt was acceptable except where noted.

Results relate only to the items tested and are not blank corrected unless indicated.

Compound identification is based upon retention time matching only. Any compound with a similar retention time will interfere.

Samples were prepared and analyzed by the analytical method and the laboratory's applicable standard operating procedure listed below:
- IH-001- "Determination of Analytes Using NIOSH and OSHA Methods Using Gas Chromatography."
- IH-002- "Determination of Suspended Particulates in the Atmosphere Using Various Media"
- IH-003- "Determination of Suspended Particulates Not Otherwise Regulated (Total and Respirable)."
- IH-004- "Determination of Analytes by NIOSH and OSHA Methods Using Liquid Chromatography."
- IH-005- "Benzene-Soluble Fraction and Total Particulate (Asphalt Fume)."
- IH-006- "Methods IO-3.1 and IO-3.4 Modified for Metals Preparation and Analysis for Suspended Particulates."
- IH-196- "Carbon Black by OSHA 196."
- IH-6009- "Determination of Mercury in Industrial Hygiene Samples by Manual Cold Vapor Atomic Absorption Spectroscopy."
- ENV-6010B- "Determination of Trace Metals in Solution by Inductively Coupled Plasma-Atomic Emission Spectroscopy by EPA Method 6010B Non-VAP."
- IH-7300 modified- "Elements by ICP."

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

All sampling information was provided by the client.

ALS Environmental

Date: *12-May-22*

Client: ALS Laboratory Group
Project: 271-04-08; L2704025

Work Order: 22050327

Lab ID: 22050327-01A
Collection Date: 3/31/2022
Client Sample ID: SP1-RD-240322
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 5/11/22 10:36		Analyst: **SRL**
Nitrogen Dioxide	**1.3**		**1.0**	**µg/sample**	1	5/11/2022 03:03 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	5/11/2022 03:03 PM

Lab ID: 22050327-02A
Collection Date: 3/31/2022
Client Sample ID: SP1-RDBlank-240322
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 5/11/22 10:36		Analyst: **SRL**
Nitrogen Dioxide	ND		1.0	µg/sample	1	5/11/2022 03:10 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	5/11/2022 03:10 PM

Lab ID: 22050327-03A
Collection Date: 1/31/2022
Client Sample ID: SP1-RD-240122
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 5/11/22 10:36		Analyst: **SRL**
Nitrogen Dioxide	**2.1**		**1.0**	**µg/sample**	1	5/11/2022 03:17 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	5/11/2022 03:17 PM

Lab ID: 22050327-04A
Collection Date: 1/31/2022
Client Sample ID: SP1-TB-240122
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 5/11/22 10:36		Analyst: **SRL**
Nitrogen Dioxide	ND		1.0	µg/sample	1	5/11/2022 03:23 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	5/11/2022 03:23 PM

Note:

ALS Environmental

Date: 12-May-22

Client: ALS Laboratory Group
Project: 271-04-08; L2704025
WorkOrder: **22050327**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **10-May-22 10:05**

Work Order: **22050327** Received by: **HXP**

Checklist completed by Alec Bolender 10-May-22 Reviewed by:

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.8	119059	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

Date: 12-May-22

Client: ALS Laboratory Group
Work Order: 22050327
Project: 271-04-08; L2704025

QC BATCH REPORT

Batch ID: **82759** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-82759-82759** Units: **µg/sample** Analysis Date: **5/11/2022 02:35 PM**
Client ID: Run ID: **IC2_220511A** SeqNo: **2733055** Prep Date: **5/11/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-82759-82759** Units: **µg/sample** Analysis Date: **5/11/2022 02:42 PM**
Client ID: Run ID: **IC2_220511A** SeqNo: **2733056** Prep Date: **5/11/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.943	1.0	5	0	98.9	70-130	0			
Sulfur Dioxide	5.616	1.0	5	0	112	70-130	0			

LCSD Sample ID: **LCSD-82759-82759** Units: **µg/sample** Analysis Date: **5/11/2022 02:49 PM**
Client ID: Run ID: **IC2_220511A** SeqNo: **2733057** Prep Date: **5/11/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.013	1.0	5	0	100	70-130	4.943	1.41	20	
Sulfur Dioxide	5.706	1.0	5	0	114	70-130	5.616	1.59	20	

The following samples were analyzed in this batch:

22050327-01A 22050327-02A 22050327-03A
22050327-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

22050327

Field Chain-of-Custody Record

☐ REGULAR Status ☐ RUSH Status

Page 1 of 1

Cooler Temp: _____ (Lab only)

Date 6 May Purchase Order No. L2704025 Billing Address (if different) ALS London 271-04-08

Company Name First Mining Gold

Address _____

City _____ State _____ Zip _____

Person to Contact Gayle Braun

Email Address gayle.braun@alsglobal

Telephone ( ) 519 421 6566

Fax Telephone ( ) _____

Project No. _____

Sampling Site _____

Date/Time of Collection _____

VAP ☐ Yes ☐ No

Sample Number	Site ID	Date	Time	Lab Sample Number	Preservation	Sample Type	Analysis Requested: SO_2	Analysis Requested: NO_2							No. of Containers
01	SPI-RD-240322	31-Mar 22					R	R							
02	SPI-RDBlank-240322	31-Mar 22					R	R							
03	SPI-RD-240122	31-Jan 22					R	R							
04	SPI-TB-240122	31-Jan 22					R	R							

Notes:

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*.

Relinquished by: (Signature) P. Stastny P Stastny	Time / Date 6-May 22	Received by: (Signature) Hauk Poon	Time / Date 5-10-22 10:05
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date
Relinquished by: (Signature)	Time / Date	Received by: (Signature)	Time / Date

Ship to: ALS | Environmental
4388 Glendale - Milford Road
Cincinnati, Ohio 45242
Phone: 513.733.5336
Fax: 513.733.5347

Carrier / Airbill # Fed Ex

Date / Time:

1.8°C w/ 119059 ice packs

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

L2704025-COFC

- Canister/Tube/Gas Bag

Specify date required		Service Requested		Rush 3 day (100%)	☐
		10 day (regular)	☑	Rush 2 day (200%)	☐
		Rush 5 day (50%)	☐	Rush 1 day (300%) - Enquire	☐

COMPANY NAME	First Mining Gold	CRITERIA	
OFFICE		Reg 419/05 ☐ Reg 153/04 SVI ☐	
PROJECT MANAGER	Mark Ridgway	OTHER ☑ Please List EPA 325	
PROJECT #	271-04-08	REPORT FORMAT/DISTRIBUTION	
PHONE 1.844.306.8827	FAX	EMAIL x FAX BOTH	
ACCOUNT #		SELECT: PDF x DIGITAL x BOTH	
QUOTATION # Q81056 @85253	PO #	EMAIL 1 mark@firstmininggold.com	
SAMPLING INFORMATION		EMAIL 2 ryan.fletcher@woodplc.com	

ANALYSIS REQUEST

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - L ☐ or m³ ☐	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
March 24- March 31		SP1-RD-240322			SP1-RD-240322		X	X									-1
		SP1-RDBlank-240322			SP1-RDBlank-240322		X	X									-2
Jan 24 - Jan 31		SP1-RD-240122			SP1-RD-240122		X	X									-3
		SP1-TB-240122			SP1-TB-240122		X	X									-4

SPECIAL INSTRUCTIONS/COMMENTS	Matrix Type	This Chain of Custody Form is only to be used for Air Quality Samples
		Soil Gas Vapour = SG; Indoor Air = IA; Ambient Air = AA; Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐						MEAN TEMP
COLD ☐						
COOLING INITIATED ☑						17°C
AMBIENT ☐						
SAMPLED BY:	DATE & TIME	RECEIVED BY:		DATE & TIME	OBSERVATIONS Yes ☐ No ☐ If yes add SIF	INIT
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY:		DATE & TIME		

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 08-MAR-22
Report Date: 31-MAR-22 18:03 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2691294

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

28-Mar-2022

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **271-04-08** Work Order: **22030496**

Dear Gayle,

ALS Environmental received 2 samples on 14-Mar-2022 09:17 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 28-Mar-22

Client: ALS Laboratory Group
Project: 271-04-08
Work Order: **22030496**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22030496-01	SP1-RD-240222	Air		3/2/2022	3/14/2022 09:17	☐
22030496-02	SP1-RDTB-240222	Air		3/2/2022	3/14/2022 09:17	☐

ALS Environmental

Date: 28-Mar-22

Client: ALS Laboratory Group
Project: 271-04-08
Work Order: 22030496

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *28-Mar-22*

Client: ALS Laboratory Group
Project: 271-04-08

Work Order: 22030496

Lab ID: 22030496-01A
Collection Date: 3/2/2022
Client Sample ID: SP1-RD-240222
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 3/22/22 10:31		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	3/23/2022 01:53 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	3/23/2022 01:53 PM

Lab ID: 22030496-02A
Collection Date: 3/2/2022
Client Sample ID: SP1-RDTB-240222
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 3/22/22 10:31		Analyst: **TH**
Nitrogen Dioxide	ND		1.0	µg/sample	1	3/23/2022 02:00 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	3/23/2022 02:00 PM

Note:

ALS Environmental

Date: 28-Mar-22

Client: ALS Laboratory Group

Work Order: 22030496

Project: 271-04-08

QC BATCH REPORT

Batch ID: **81740** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-81740-81740** Units: **µg/sample** Analysis Date: **3/23/2022 01:25 PM**

Client ID: Run ID: **IC2_220323B** SeqNo: **2692958** Prep Date: **3/22/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-81740-81740** Units: **µg/sample** Analysis Date: **3/23/2022 01:32 PM**

Client ID: Run ID: **IC2_220323B** SeqNo: **2692959** Prep Date: **3/22/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.557	1.0	5	0	111	70-130	0			
Sulfur Dioxide	3.786	1.0	5	0	75.7	70-130	0			

LCSD Sample ID: **LCSD-81740-81740** Units: **µg/sample** Analysis Date: **3/23/2022 01:39 PM**

Client ID: Run ID: **IC2_220323B** SeqNo: **2692960** Prep Date: **3/22/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.35	1.0	5	0	107	70-130	5.557	3.81	20	
Sulfur Dioxide	3.569	1.0	5	0	71.4	70-130	3.786	5.91	20	

The following samples were analyzed in this batch: 22030496-01A 22030496-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 28-Mar-22

Client: ALS Laboratory Group
Project: 271-04-08
WorkOrder: **22030496**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **14-Mar-22 09:17**

Work Order: **22030496** Received by: **HXP**

Checklist completed by H annah P onder 14-Mar-22 Reviewed by: S hawn S mythe 15-Mar-22

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	3/14/22 10.07		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	_		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

L2691294-COFC

CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: All TAT quoted is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required

Service Requested		Rush 3 day (100%)	
10 day (regular)	☑	Rush 2 day (200%)	☐
Rush 5 day (50%)	☐	Rush 1 day (300%) - Enquire	☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

SAMPLING INFORMATION

Sample Date/Time		Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	ANALYSIS REQUEST: TUBE AIR VOLUME - ☐ L or ☐ m^3	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
Date (dd-mmm-yy)	Time (24hr) (hh:mm)																
Feb 24 - Mar 2		SP1-RD-240222			SP1-RD-240222		X	X									-1
Feb 24 - Mar 2		SP1-RDTB-240222			SP1-RDTB-240222		X	X									-2

All rush work requires lab approval before sample submission

SUBMISSION #: L2691294
ENTERED BY: P. Stastny
DATE/TIME ENTERED: 9-Mar-22
BIN #:

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type		
	Soil Gas Vapour = SG	Indoor Air = IA
	Ambient Air = AA	Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN	☐	MEAN TEMP
COLD	☑	9.4, 14.5
COOLING INITIATED	☐	
AMBIENT	☑	
OBSERVATIONS Yes ☐ No ☐ If yes add SIF		INIT: PS

SAMPLED BY: Mark Ridgway	DATE & TIME: March 7, 2022	RECEIVED BY: P. Stastny	DATE & TIME: 8-Mar-22 / 11:20	
RELINQUISHED BY:	DATE & TIME: 08:30	RECEIVED AT LAB BY:	DATE & TIME:	

Notes

1. Quote number must be provided to ensure proper pricing
2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.
3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 18-JUL-22
Report Date: 01-SEP-22 07:56 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2723126

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

28-Jul-2022

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **First Mining Gold; 271-04-08** Work Order: **22070694**

Dear Gayle,

ALS Environmental received 4 samples on 20-Jul-2022 10:22 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 28-Jul-22

Client: ALS Laboratory Group
Project: First Mining Gold; 271-04-08
Work Order: **22070694**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22070694-01	SP1-RD-270422	Air		5/3/2022	7/20/2022 10:22	☐
22070694-02	SP1-RD-BLANK-270422	Air		5/3/2022	7/20/2022 10:22	☐
22070694-03	SP2-RD 010622	Air		6/8/2022	7/20/2022 10:22	☐
22070694-04	SP2-RD-BLANK-010622	Air		6/8/2022	7/20/2022 10:22	☐

ALS Environmental

Date: 28-Jul-22

Client:	ALS Laboratory Group
Project:	First Mining Gold; 271-04-08
Work Order:	22070694

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *28-Jul-22*

Client: ALS Laboratory Group
Work Order: 22070694
Project: First Mining Gold; 271-04-08

Lab ID: 22070694-01A
Collection Date: 5/3/2022
Client Sample ID: SP1-RD-270422
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	**1.5**		**1.0**	**µg/sample**	1	7/22/2022 12:12 PM
Sulfur Dioxide	**1.1**		**1.0**	**µg/sample**	1	7/22/2022 12:12 PM

Lab ID: 22070694-02A
Collection Date: 5/3/2022
Client Sample ID: SP1-RD-BLANK-270422
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:21 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:21 PM

Lab ID: 22070694-03A
Collection Date: 6/8/2022
Client Sample ID: SP2-RD 010622
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:30 PM
Sulfur Dioxide	**1.2**		**1.0**	**µg/sample**	1	7/22/2022 12:30 PM

Lab ID: 22070694-04A
Collection Date: 6/8/2022
Client Sample ID: SP2-RD-BLANK-010622
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:39 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:39 PM

Note:

ALS Environmental

Date: 28-Jul-22

Client: ALS Laboratory Group

Work Order: 22070694

Project: First Mining Gold; 271-04-08

QC BATCH REPORT

Batch ID: **84276** Instrument ID **IC2** Method: **IC**

MBLK	Sample ID: **MBLK-84276-84276**			Units: **µg/sample**			Analysis Date: **7/22/2022 11:36 AM**			
Client ID:	Run ID: **IC2_220722C**			SeqNo: **2798612**			Prep Date: **7/21/2022**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	0.3324	1.0								J
Sulfur Dioxide	ND	1.0								

LCS	Sample ID: **LCS-84276-84276**			Units: **µg/sample**			Analysis Date: **7/22/2022 11:45 AM**			
Client ID:	Run ID: **IC2_220722C**			SeqNo: **2798613**			Prep Date: **7/21/2022**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.981	1.0	5	0	99.6	70-130	0			
Sulfur Dioxide	5.45	1.0	5	0	109	70-130	0			

LCSD	Sample ID: **LCSD-84276-84276**			Units: **µg/sample**			Analysis Date: **7/22/2022 11:54 AM**			
Client ID:	Run ID: **IC2_220722C**			SeqNo: **2798614**			Prep Date: **7/21/2022**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.173	1.0	5	0	103	70-130	4.981	3.77	20	
Sulfur Dioxide	5.742	1.0	5	0	115	70-130	5.45	5.22	20	

The following samples were analyzed in this batch:

22070694-01A 22070694-02A 22070694-03A
22070694-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 28-Jul-22

Client: ALS Laboratory Group
Project: First Mining Gold; 271-04-08
WorkOrder: **22070694**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **20-Jul-22 10:22**

Work Order: **22070694** Received by: **AB**

Checklist completed by Alec Bolender 20-Jul-22 Reviewed by: Shawn Smythe 20-Jul-22

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):	14.3	119059	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	_		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

L2723126

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required

Service Requested

- 10 day (regular) ☑
- Rush 5 day (50%) ☐
- Rush 3 day (100%) ☐
- Rush 2 day (200%) ☐
- Rush 1 day (300%) - Enquire ☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # ~~Q81056~~ Q85253	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

SAMPLING INFORMATION

Sample Date/Time		Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L or ☐ m³	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
Date (dd-mmm-yy)	Time (24hr) (hh:mm)																
Apr 27 - Mar 03		SP1-RD-270422			SP1-RD-270422		X	X									
Jun 01 - Jun 08		SP1-RD-010622			SP1-RD-010622		X	X									
		SP1-RD BLANK-270422															
		SP1-RD BLANK 010622															

All rush work requires lab approval before sample submission

SUBMISSION #:

ENTERED BY:

DATE/TIME ENTERED:

BIN #:

SPECIAL INSTRUCTIONS/COMMENTS

Received 18 July from Purolator was in fridge over prior weekend at Purolator depot

Matrix Type

This Chain of Custody Form is only to be used for Air Quality Samples

Soil Gas Vapour = SG — Indoor Air = IA

Ambient Air = AA — Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☐

MEAN TEMP

OBSERVATIONS Yes ☐ No ☐ If yes add SIF

INIT

SAMPLED BY: Mark Ridgway	DATE & TIME July 11/22	RECEIVED BY:	23.4°C	DATE & TIME 16:05, 2022/07/18
RELINQUISHED BY: " "	DATE & TIME " "	RECEIVED AT LAB BY:		DATE & TIME

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

ALS Environmental
4388 Glendale Milford Rd
Cincinnati, Ohio 45242
(Tel) 513.733.5336
(Fax) 513.733.5347
joe.ribar@ALSglobal.com

Chain of Custody Form

Page 1 of 1

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	L2723126	Project Name		A	SO2
Work Order		Project Number	271-04-08	B	NO2
Company Name	First Mining Gold	Bill To Company	ALS Canada	C	
Send Report To	Gayle Braun	Invoice Attn.		D	
Address	309 Exter Rd, Unit 29	Address		E	
				F	
City/State/Zip	London, ON, N6L 1C1	City/State/Zip		G	
Phone	519-652-6044	Phone		H	
Fax		Fax		I	
e-Mail Address	gayle.braun@alsglobal.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP1-RD-270422	5/3/2022		Radiello			X	X									
2	SP1-RD-BLANK-270422	5/3/2022		Radiello			X	X									
3	SP1-RD 010622	6/8/2022		Radiello			X	X									
4	SP1-RD-BLANK-010622	6/8/2022		Radiello			X	X									
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign

Shipment Method:

Required Turnaround Time: (Check Box) ☐10 Wk Days ☐5 Wk Days ☐3 Wk Days ☐2 Wk Days ☐24 Hour ☐Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
P Stastny	19 July 22	15:30				
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	

VAP: ☐ Yes ☐ No

Cooler Temp:

QC Package: (Check Box Below)
☐Level II: Standard QC ☐Level III: Raw Data
☐TRRP LRC ☐TRRP Level IV
☐Level IV: SW846 Methods/CLP like
☐Other: _____

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

Copyright 2007 by ALS Environmental

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 18-JUL-22
Report Date: 01-SEP-22 07:56 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2723126

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

28-Jul-2022

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **First Mining Gold; 271-04-08** Work Order: **22070694**

Dear Gayle,

ALS Environmental received 4 samples on 20-Jul-2022 10:22 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

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

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 28-Jul-22

Client: ALS Laboratory Group
Project: First Mining Gold; 271-04-08
Work Order: **22070694**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22070694-01	SP1-RD-270422	Air		5/3/2022	7/20/2022 10:22	☐
22070694-02	SP1-RD-BLANK-270422	Air		5/3/2022	7/20/2022 10:22	☐
22070694-03	SP2-RD 010622	Air		6/8/2022	7/20/2022 10:22	☐
22070694-04	SP2-RD-BLANK-010622	Air		6/8/2022	7/20/2022 10:22	☐

ALS Environmental

Date: 28-Jul-22

Client:	ALS Laboratory Group
Project:	First Mining Gold; 271-04-08
Work Order:	22070694

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *28-Jul-22*

Client: ALS Laboratory Group
Work Order: 22070694
Project: First Mining Gold; 271-04-08

Lab ID: 22070694-01A
Collection Date: 5/3/2022
Client Sample ID: SP1-RD-270422
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	**1.5**		**1.0**	**µg/sample**	1	7/22/2022 12:12 PM
Sulfur Dioxide	**1.1**		**1.0**	**µg/sample**	1	7/22/2022 12:12 PM

Lab ID: 22070694-02A
Collection Date: 5/3/2022
Client Sample ID: SP1-RD-BLANK-270422
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:21 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:21 PM

Lab ID: 22070694-03A
Collection Date: 6/8/2022
Client Sample ID: SP2-RD 010622
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:30 PM
Sulfur Dioxide	**1.2**		**1.0**	**µg/sample**	1	7/22/2022 12:30 PM

Lab ID: 22070694-04A
Collection Date: 6/8/2022
Client Sample ID: SP2-RD-BLANK-010622
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIOXIDES BY RADIELLO			**IC**	Prep: IC 7/21/22 10:42		Analyst: **JAP**
Nitrogen Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:39 PM
Sulfur Dioxide	ND		1.0	µg/sample	1	7/22/2022 12:39 PM

Note:

ALS Environmental

Date: 28-Jul-22

Client: ALS Laboratory Group

Work Order: 22070694

Project: First Mining Gold; 271-04-08

QC BATCH REPORT

Batch ID: **84276** Instrument ID **IC2** Method: **IC**

MBLK	Sample ID: **MBLK-84276-84276**			Units: **µg/sample**			Analysis Date: **7/22/2022 11:36 AM**			
Client ID:	Run ID: **IC2_220722C**			SeqNo: **2798612**			Prep Date: **7/21/2022**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	0.3324	1.0								J
Sulfur Dioxide	ND	1.0								

LCS	Sample ID: **LCS-84276-84276**			Units: **µg/sample**			Analysis Date: **7/22/2022 11:45 AM**			
Client ID:	Run ID: **IC2_220722C**			SeqNo: **2798613**			Prep Date: **7/21/2022**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.981	1.0	5	0	99.6	70-130	0			
Sulfur Dioxide	5.45	1.0	5	0	109	70-130	0			

LCSD	Sample ID: **LCSD-84276-84276**			Units: **µg/sample**			Analysis Date: **7/22/2022 11:54 AM**			
Client ID:	Run ID: **IC2_220722C**			SeqNo: **2798614**			Prep Date: **7/21/2022**		DF: **1**	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	5.173	1.0	5	0	103	70-130	4.981	3.77	20	
Sulfur Dioxide	5.742	1.0	5	0	115	70-130	5.45	5.22	20	

The following samples were analyzed in this batch:

22070694-01A 22070694-02A 22070694-03A
22070694-04A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 28-Jul-22

Client: ALS Laboratory Group
Project: First Mining Gold; 271-04-08
WorkOrder: **22070694**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **20-Jul-22 10:22**

Work Order: **22070694** Received by: **AB**

Checklist completed by Alec Bolender 20-Jul-22 Reviewed by: Shawn Smythe 20-Jul-22

eSignature | Date | eSignature | Date

Matrices: air

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):	14.3	119059	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	_		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

L2723126

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required

Service Requested

- 10 day (regular) ☑
- Rush 5 day (50%) ☐
- Rush 3 day (100%) ☐
- Rush 2 day (200%) ☐
- Rush 1 day (300%) - Enquire ☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # ~~Q81056~~ Q85253	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

SAMPLING INFORMATION

Sample Date/Time		Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L or ☐ m³	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
Date (dd-mmm-yy)	Time (24hr) (hh:mm)																
Apr 27 - Mar 03		SP1-RD-270422			SP1-RD-270422		X	X									
Jun 01 - Jun 08		SP1-RD-010622			SP1-RD-010622		X	X									
		SP1-RD BLANK-270422															
		SP1-RD BLANK 010622															

All rush work requires lab approval before sample submission

SUBMISSION #:

ENTERED BY:

DATE/TIME ENTERED:

BIN #:

SPECIAL INSTRUCTIONS/COMMENTS

Received 18 July from Purolator was in fridge over prior weekend at Purolator depot

Matrix Type

This Chain of Custody Form is only to be used for Air Quality Samples

Soil Gas Vapour = SG — Indoor Air = IA

Ambient Air = AA — Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☐

MEAN TEMP

OBSERVATIONS Yes ☐ No ☐ If yes add SIF

INIT

SAMPLED BY: Mark Ridgway	DATE & TIME July 11/22	RECEIVED BY:	23.4°C	DATE & TIME 16:05, 2022/07/18
RELINQUISHED BY: " "	DATE & TIME " "	RECEIVED AT LAB BY:		DATE & TIME

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

ALS Environmental
4388 Glendale Milford Rd
Cincinnati, Ohio 45242
(Tel) 513.733.5336
(Fax) 513.733.5347
joe.ribar@ALSglobal.com

Chain of Custody Form

Page 1 of 1

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	L2723126	Project Name		A	SO2
Work Order		Project Number	271-04-08	B	NO2
Company Name	First Mining Gold	Bill To Company	ALS Canada	C	
Send Report To	Gayle Braun	Invoice Attn.		D	
Address	309 Exter Rd, Unit 29	Address		E	
				F	
City/State/Zip	London, ON, N6L 1C1	City/State/Zip		G	
Phone	519-652-6044	Phone		H	
Fax		Fax		I	
e-Mail Address	gayle.braun@alsglobal.com			J	

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP1-RD-270422	5/3/2022		Radiello			X	X									
2	SP1-RD-BLANK-270422	5/3/2022		Radiello			X	X									
3	SP1-RD 010622	6/8/2022		Radiello			X	X									
4	SP1-RD-BLANK-010622	6/8/2022		Radiello			X	X									
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s): Please Print & Sign

Shipment Method:

Required Turnaround Time: (Check Box) ☐10 Wk Days ☐5 Wk Days ☐3 Wk Days ☐2 Wk Days ☐24 Hour ☐Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
P Stastny	19 July 22	15:30				
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	

VAP: ☐ Yes ☐ No

Cooler Temp:

QC Package: (Check Box Below)
☐Level II: Standard QC ☐Level III: Raw Data
☐TRRP LRC ☐TRRP Level IV
☐Level IV: SW846 Methods/CLP like
☐Other: _____

Failure to complete all portions of this form may delay analysis. Please fill in this form *LEGIBLY*

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

Copyright 2007 by ALS Environmental

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 15-NOV-22
Report Date: 01-DEC-22 12:08 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2740754

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L2740754 Report Date: 01-DEC-22

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

01-Dec-2022

Gayle Braun
ALS Laboratory Group
309 Exeter Rd.
London, ON N6L 1C1

Re: **L2740754** Work Order: **22110796**

Dear Gayle,

ALS Environmental received 2 samples on 23-Nov-2022 09:32 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 9.

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

Sincerely,

Shawn Smythe

Electronically approved by: Hannah Ponder

Shawn Smythe
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 01-Dec-22

Client: ALS Laboratory Group
Project: L2740754
Work Order: **22110796**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
22110796-01	L2740754-1	Air		10/11/2022	11/23/2022 09:32	☐
22110796-02	L2740754-2	Air		10/11/2022	11/23/2022 09:32	☐

ALS Environmental

Date: 01-Dec-22

Client:	ALS Laboratory Group
Project:	L2740754
Work Order:	22110796

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *01-Dec-22*

Client: ALS Laboratory Group
Project: L2740754

Work Order: 22110796

Analytical Results

Lab ID: 22110796-01A
Client Sample ID: L2740754-1

Collection Date: 10/11/2022
Matrix: AIR

Analyses

DIOXIDES BY RADIELLO		Method: IC	Air Volume (L): 0	Analyst: SRL
Date Analyzed: 11/30/2022 19:18		Reporting Limit		
	µg/sample	µg/sample	ug/m3	
Nitrogen Dioxide	ND	1.0	NA	
Sulfur Dioxide	ND	1.0	NA	

Lab ID: 22110796-02A
Client Sample ID: L2740754-2

Collection Date: 10/11/2022
Matrix: AIR

Analyses

DIOXIDES BY RADIELLO		Method: IC	Air Volume (L): 0	Analyst: SRL
Date Analyzed: 11/30/2022 19:24		Reporting Limit		
	µg/sample	µg/sample	ug/m3	
Nitrogen Dioxide	ND	1.0	NA	
Sulfur Dioxide	ND	1.0	NA	

Note:

ALS Environmental

Date: 01-Dec-22

Client: ALS Laboratory Group

Work Order: 22110796

Project: L2740754

QC BATCH REPORT

Batch ID: **87891** Instrument ID **IC2** Method: **IC**

MBLK Sample ID: **MBLK-87891-87891** Units: **µg/sample** Analysis Date: **11/30/2022 06:50 PM**

Client ID: Run ID: **IC2_221130A** SeqNo: **2914718** Prep Date: **11/23/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	ND	1.0								
Sulfur Dioxide	ND	1.0								

LCS Sample ID: **LCS-87891-87891** Units: **µg/sample** Analysis Date: **11/30/2022 06:57 PM**

Client ID: Run ID: **IC2_221130A** SeqNo: **2914719** Prep Date: **11/23/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.595	1.0	5	0	91.9	79-130	0			
Sulfur Dioxide	4.482	1.0	5	0	89.6	68.6-146	0			

LCSD Sample ID: **LCSD-87891-87891** Units: **µg/sample** Analysis Date: **11/30/2022 07:04 PM**

Client ID: Run ID: **IC2_221130A** SeqNo: **2914720** Prep Date: **11/23/2022** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrogen Dioxide	4.45	1.0	5	0	89	79-130	4.595	3.21	20	
Sulfur Dioxide	4.492	1.0	5	0	89.8	68.6-146	4.482	0.212	20	

The following samples were analyzed in this batch: 22110796-01A 22110796-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 01-Dec-22

Client: ALS Laboratory Group
Project: L2740754
WorkOrder: **22110796**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **ALS-LONDON** Date/Time Received: **23-Nov-22 09:32**

Work Order: **22110796** Received by: **AB**

Checklist completed by Madison Bufler 23-Nov-22 Reviewed by: Hannah Ponder 28-Nov-22

eSignature Date eSignature Date

Matrices: Air

Carrier name: DHL

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Sample(s) received on ice?	Yes ☐	No ☑	
Temperature(s)/Thermometer(s):			
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	11/23/2022 10:20		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

22110796

L2740754

LONDON

Subcontract Request Form

Subcontract To:

SO2 / NO2

ALS ENVIRONMENTAL - CINCINNATI, OHIO, USA
4388 GLENDALE-MILFORD RD.
CINCINATTI,OHIO 45242

NOTES: Please reference on final report and invoice: PO# *L2740754*
ALS requires QC data to be provided with your final results.

Please see enclosed 2 sample(s) in 2 Container(s)

SAMPLE NUMBER	ANALYTICAL REQUIRED	DATE SAMPLED / DUE DATE	Priority Flag
L2740754-1 SP1 RD111022		**10/11/2022**	
	Special Request ALS Cincinnati (SPECIAL REQUEST-CI 14)	11/29/2022	
L2740754-2 SP1 RD BLANK		**10/11/2022**	
	Special Request ALS Cincinnati (SPECIAL REQUEST-CI 14)	11/29/2022	

Subcontract Info Contact: Peter Stastny (519) 652-6044
Analysis and reporting info contact: Gayle Braun
309 EXETER ROAD UNIT # 29
LONDON,ON N6L 1C1
Phone: (519) 652-6044 Email:gayle.braun@alsglobal.com

Please email confirmation of receipt to: gayle.braun@alsglobal.com

Shipped By: _____ Date Shipped: _____

Received By: Alex M Date Received: ~~AB 11-2~~ 11-23-22 0932

Verified By: _____ Date Verified: _____

Temperature: 18.8°C/119059

Sample Integrity Issues: _____

DHL

22110796

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: All TAT Quoted is in business days which exclude statutory holidays and weekends. TAT of samples received past 3:00 pm or Saturday / Sunday begin the next day.

Specify date required

Service Requested: 10 day (regular) ☑ | Rush 5 day (50%) ☐ | Rush 3 day (100%) ☐ | Rush 2 day (200%) ☐ | Rush 1 day (300%) - Enquire ☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

All rush work requires lab approval before sample submission

SUBMISSION #: 22740754 (WT005)
ENTERED BY:
DATE/TIME ENTERED:
BIN #:

SAMPLING INFORMATION

ANALYSIS REQUEST

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L ☐ m³	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
10-Oct		SP1 RD1 1022					X	X									
		SP1-RD Blank					x	x									

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type: Soil Gas Vapour = SG | Indoor Air = IA | Ambient Air = AA | Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED: FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☑ | MEAN TEMP 21.1

SAMPLED BY:	DATE & TIME	RECEIVED BY: ALS Lo: PStorey	DATE & TIME 15 Nov 22 14°C	OBSERVATIONS Yes ☐ No ☐ If yes add SIF	INIT
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: LV / RM	DATE & TIME 11/16/2211:45		

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

ALS Environmental

L2740754-COFC

AIR QUALITY CHAIN OF CUSTODY FORM - Canister/Tube/Gas Bag

Note: All TAT Quoted is in business days which exclude statutory holidays and weekends. TAT of samples received past 3:00 pm or Saturday / Sunday begin the next day.

Specify date required:

Service Requested

- 10 day (regular) ☑
- Rush 5 day (50%) ☐
- Rush 3 day (100%) ☐
- Rush 2 day (200%) ☐
- Rush 1 day (300%) - Enquire ☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 mark@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

ANALYSIS REQUEST

All rush work requires lab approval before sample submission

SUBMISSION #: L2740754 WT325
ENTERED BY:
DATE/TIME ENTERED:
BIN #:

SAMPLING INFORMATION

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L ☐ or m^3	SO2	NO2					STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
1[illegible]-Oct		SP1 RD1[illegible]1022					X	X									
		SP1-RD Blank					x	x									

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type:
Soil Gas Vapour = SG
Indoor Air = IA
Ambient Air = AA
Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐
COLD ☐
COOLING INITIATED ☐
AMBIENT ☑
MEAN TEMP: 21.1

SAMPLED BY:	DATE & TIME	RECEIVED BY: ALS to; PStorey	DATE & TIME 15-Nov-22 14°C	OBSERVATIONS Yes ☐ No ☐ If yes add SIF	INIT
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: LV / RM	DATE & TIME 11/11/22 11:45		

Notes

1. Quote number must be provided to ensure proper pricing

2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.

3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 11-MAY-21
Report Date: 01-JUN-21 16:20 (MT)
Version: FINAL

Client Phone: 844-306-8827

Certificate of Analysis

Lab Work Order #: L2586280

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586280-1 SP1-010321 Sampled By: CLIENT on 21-MAR-21 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	0.35		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Insoluble Dustfall	0.24		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Soluble Dustfall	0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
L2586280-2 MARCH TRIP BLANK Sampled By: CLIENT on 21-MAR-21 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
L2586280-3 SP1-040121 Sampled By: CLIENT on 01-APR-21 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
L2586280-4 APRIL TRIP BLANK Sampled By: CLIENT on 01-APR-21 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		26-MAY-21	R5476385

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shelley Frost

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch	**R5476385**							
WG3541600-2	**LCS**							
Total Dustfall			101.2		%		85-115	26-MAY-21
Total Insoluble Dustfall			103.7		%		85-115	26-MAY-21
Total Soluble Dustfall			100.9		%		85-115	26-MAY-21
WG3541600-1	**MB**							
Total Dustfall			<0.10		mg/dm2.day		0.1	26-MAY-21
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	26-MAY-21
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	26-MAY-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



L2586280-COFC

Chain of Custody (COC) / Analytical Request Form

COC Number: 20 -

Page 1 of

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

Report To		Report Format / Distribution		Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format:		R
Contact:	Shelley Frost	Quality Control (QC) Report with Report	☑ Yes ☐ No	P
Address:	Suite 2070, 1188 West Georgia St Vancouver, BC V6E 4A2	Select Distribution:		E
				E3
Phone:		Email 1 or Fax	shaun@firstmininggold.com	Specify Date Required for E2,E or P:
		Email 2	ryan.fletcher@woodplc.com	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution	
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution:	
Company:	First Mining Gold	Email 1 or Fax	shelley@firstmininggold.com
Contact:	Shelley Frost	Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q61086	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): L2586280

ALS Contact: Peter Stastny Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Test Due	Number of Containers
	SP1-300421	30-Apr	12:00	Air	R	1

Air
Grab
Composite
Influent
Effluent
Sediment
Tissue

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No	
Are samples for human drinking water use? ☐ Yes ☑ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐		SIF Observations	Yes ☐	No ☐
Ice packs	Yes ☐	No ☐	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☐				

INITIAL COOLER TEMPERATURES °C	FINAL COOLER TEMPERATURES °C

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time	Received by:	Date:	Time
							5/11/21	1000

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 22-JUN-21
Report Date: 29-JUN-21 13:34 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2604408

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2604408-1 SP1-010521 Sampled By: J.D. on 01-MAY-21 Matrix: AIR							
Particulates							
Total Dustfall	0.65		0.10	mg/dm2.day		28-JUN-21	R5505748
Total Insoluble Dustfall	0.51		0.10	mg/dm2.day		28-JUN-21	R5505748
Total Soluble Dustfall	0.13		0.10	mg/dm2.day		28-JUN-21	R5505748
L2604408-2 SP1-010521 TRIP BLANK Sampled By: J.D. on 01-MAY-21 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		28-JUN-21	R5505748
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		28-JUN-21	R5505748
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		28-JUN-21	R5505748

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shelley Frost

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch	**R5505748**							
WG3565269-2	**LCS**							
Total Dustfall			99.9		%		85-115	28-JUN-21
Total Insoluble Dustfall			98.5		%		85-115	28-JUN-21
Total Soluble Dustfall			100.1		%		85-115	28-JUN-21
WG3565269-1	**MB**							
Total Dustfall			<0.10		mg/dm2.day		0.1	28-JUN-21
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	28-JUN-21
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	28-JUN-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L2604408-COFC

COC Number: 20 -

Page 1 of 1

www.alsglobal.com

Report To		Report Format / Distribution		Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Shelley Frost	Quality Control (QC) Report with Report	☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Suite 2070, 1188 West Georgia St	☑ Criteria on Report - provide details below if box checked		E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
	Vancouver, BC V6E 4A2	Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:		Email 1 or Fax	shaun@firstmininggold.com	Specify Date Required for E2,E or P:
		Email 2	ryan.fletcher@woodplc.com	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution		Analysis Request
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Company:	First Mining Gold	Email 1 or Fax	shelley@firstmininggold.com	
Contact:	Shelley Frost	Email 2		

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	~~Q81056~~ Q85253	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): L2604408 **ALS Contact:** Peter Stastny **Sampler:**

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total Dustfall	Number of Containers
-1	SP1-010521	01-May	12:00	Air	R	1
-2	Trip Blank	01-May	-	Air	R	

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No	
Are samples for human drinking water use? ☐ Yes ☑ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐			SIF Observations	Yes ☐	No	☑
Ice packs	Yes ☑	No	☐	Custody seal intact	Yes ☐	No	☐
Cooling Initiated	☑						

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
14					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: James Duivenvoorden	Date:	Time:	Received by: P. Stastny	Date: 27-June-18	Time: 10:45	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 13-AUG-21
Report Date: 31-AUG-21 07:52 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2626685

Project P.O. #: 2021-ALS-0019
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626685-1 SP1-JUNE DUSTFALL Sampled By: CLIENT on 01-JUN-21 Matrix: AIR							
Particulates							
Total Dustfall	1.48		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Insoluble Dustfall	1.12		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Soluble Dustfall	0.36		0.10	mg/dm2.day		26-AUG-21	R5572338
L2626685-2 TRIP BLANK-JUNE Sampled By: CLIENT on 01-JUN-21 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		26-AUG-21	R5572338
L2626685-3 SP1-JULY DUSTFALL Sampled By: CLIENT on 01-JUL-21 Matrix: AIR							
Particulates							
Total Dustfall	0.76		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Insoluble Dustfall	0.61		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Soluble Dustfall	0.15		0.10	mg/dm2.day		26-AUG-21	R5572338
L2626685-4 TRIP BLANK-JULY Sampled By: CLIENT on 01-JUL-21 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		26-AUG-21	R5572338
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		26-AUG-21	R5572338

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shelley Frost

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch	**R5572338**							
WG3605656-2	**LCS**							
Total Dustfall			101.3		%		85-115	26-AUG-21
Total Insoluble Dustfall			99.7		%		85-115	26-AUG-21
Total Soluble Dustfall			101.5		%		85-115	26-AUG-21
WG3605656-1	**MB**							
Total Dustfall			<0.10		mg/dm2.day		0.1	26-AUG-21
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	26-AUG-21
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	26-AUG-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

L2626685-COFC

COC Number: 20 -

Page 1 of 1

Report To		Report Format / Distribution	Turnaround Time (TAT) Required (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Shelley Frost	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Suite 2070, 1188 West Georgia St Vancouver, BC V6E 4A2	☑ Criteria on Report - provide details below if box checked	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone:		Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
		Email 1 or Fax ~~shaun@firstmininggold.com~~	Specify Date Required for E2,E or P:
		Email 2 ryan.fletcher@woodplc.com	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Company:	First Mining Gold	Email 1 or Fax shelley@firstmininggold.com
Contact:	Shelley Frost	Email 2

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q81056	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): L2626685 A

ALS Contact: Peter Stastny **Sampler:**

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total Dustfall	Number of Containers
	SP1-June Dustfall	June 1 - July 1		Air	R	1
	Trip Blank - June	01-Jun		Air	R	1
	SP1-July Dustfall	July 1 - Aug 2		Air	R	1
	Trip Blank - July	01-Jul		Air	R	1

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☑ No

Are samples for human drinking water use? ☐ Yes ☑ No

Special Instructions / Specify Criteria to add on report (client Use)

also send to:
mark@firstmininggold.com

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐	SIF Observations	Yes ☐	No ☐	
Ice packs	Yes ☒	No ☐	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☑				

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
				19.1	

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date: 8/13/21	Time: 11:00

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0328e v08 Front/03 October 2013

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 11-NOV-21
Report Date: 01-DEC-21 13:22 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2661637

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2661637-1 SP1-AUGUST DUSTFALL Sampled By: CLIENT on 02-AUG-21 Matrix: AIR							
Particulates							
Total Dustfall	0.11		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
L2661637-2 TRIP BLANK - AUGUST Sampled By: CLIENT on 02-AUG-21 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
L2661637-3 SP1-SEPTEMBER DUSTFALL Sampled By: CLIENT on 02-AUG-21 Matrix: AIR							
Particulates							
Total Dustfall	2.26		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Insoluble Dustfall	1.71		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Soluble Dustfall	0.54		0.10	mg/dm2.day		18-NOV-21	R5660093
L2661637-4 TRIP BLANK - SEPTEMBER Sampled By: CLIENT on 01-SEP-21 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		18-NOV-21	R5660093
L2661637-5 SP2-SEPTEMBER DUSTFALL Sampled By: CLIENT on 01-SEP-21 Matrix: AIR							
Particulates							
Total Dustfall	1.44		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Insoluble Dustfall	1.14		0.10	mg/dm2.day		18-NOV-21	R5660093
Total Soluble Dustfall	0.30		0.10	mg/dm2.day		18-NOV-21	R5660093

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch	**R5660093**							
WG3661241-2	**LCS**							
Total Dustfall			100.5		%		85-115	18-NOV-21
Total Insoluble Dustfall			104.8		%		85-115	18-NOV-21
Total Soluble Dustfall			99.8		%		85-115	18-NOV-21
WG3661241-1	**MB**							
Total Dustfall			<0.10		mg/dm2.day		0.1	18-NOV-21
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	18-NOV-21
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	18-NOV-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

L2661637-COFC

COC Number: 20 -

Page 1 of 1

Report To		Report Format / Distribution		Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Mark Ridgway	Quality Control (QC) Report with Report	✓ Yes No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Suite 2070, 1188 West Georgia St Vancouver, BC V6E 4A2	☑ Criteria on Report - provide details below if box checked		E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
		Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:		Email 1 or Fax	mark@firstmininggold.com	Specify Date Required for E2,E or P:
		Email 2	ryan.fletcher@woodplc.com	

Invoice To		Invoice Distribution		Analysis Request
	Same as Report To ✓ Yes No	Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☑ FAX	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
	Copy of Invoice with Report Yes ✓ No			
Company:	First Mining Gold	Email 1 or Fax	mark@firstmininggold.com	
Contact:	Mark Ridgway	Email 2		

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q81056	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	
ALS Lab Work Order # (lab use only)		ALS Contact: Peter Stastny	Sampler:

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total Dustfall	Number of Containers
	SP1-August Dustfall	02-Aug		Air	R	1
	Trip Blank - August			Air	R	1
	SP1-September Dustfall			Air	R	1
	Trip Blank - September	01-Sep		Air	R	1
	SP2-September Dustfall	01-Sep		Air	R	

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? Yes ✓ No	
Are samples for human drinking water use? Yes ✓ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐			SIF Observations	Yes ☐	No ☐	
Ice packs	Yes ☐	No ☐		Custody seal intact	Yes ☐	No ☐	
Cooling Initiated	☐						

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
					11

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Mark Ridgway	Date: 09-Nov-21	Time: 13:00	Received by:	Date:	Time:	Received by:	Date:	Time: 1059

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 14-DEC-21
Report Date: 29-DEC-21 10:02 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2672606

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672606-1 SP1-OCTOBER DUSTFALL Sampled By: MR on 01-NOV-21 @ 10:00 Matrix: AIR							
Particulates							
Total Dustfall	0.19		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Insoluble Dustfall	0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
L2672606-2 TRIP BLANK-OCTOBER Sampled By: MR on 01-NOV-21 @ 10:00 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
L2672606-3 SP1-NOVEMBER DUSTFALL Sampled By: MR on 02-DEC-21 @ 10:00 Matrix: AIR							
Particulates							
Total Dustfall	0.34		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Soluble Dustfall	0.32		0.10	mg/dm2.day		17-DEC-21	R5683511
L2672606-4 TRIP BLANK-NOVEMBER Sampled By: MR on 02-DEC-21 @ 10:00 Matrix: AIR							
Particulates							
Total Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Insoluble Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511
L2672606-5 SP2-OCTOBER DUSTFALL Sampled By: MR on 01-NOV-21 @ 10:00 Matrix: AIR							
Particulates							
Total Dustfall	0.26		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Insoluble Dustfall	0.11		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Soluble Dustfall	0.15		0.10	mg/dm2.day		17-DEC-21	R5683511
L2672606-6 SP2-NOVEMBER DUSTFALL Sampled By: MR on 02-DEC-21 @ 10:00 Matrix: AIR							
Particulates							
Total Dustfall	0.21		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Insoluble Dustfall	0.13		0.10	mg/dm2.day		17-DEC-21	R5683511
Total Soluble Dustfall	<0.10		0.10	mg/dm2.day		17-DEC-21	R5683511

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch R5683511								
WG3676549-2 LCS								
Total Dustfall			102.1		%		85-115	17-DEC-21
Total Insoluble Dustfall			99.8		%		85-115	17-DEC-21
Total Soluble Dustfall			102.4		%		85-115	17-DEC-21
WG3676549-1 MB								
Total Dustfall			<0.10		mg/dm2.day		0.1	17-DEC-21
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	17-DEC-21
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	17-DEC-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: 20 -

Page 1 of 1

Report To		Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Mark Ridgway	Quality Control (QC) Report with Report ☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Suite 2070, 1188 West Georgia St Vancouver, BC V6E 4A2	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:		Email 1 or Fax shaun@firstmininggold.com	Specify Date Required for E2,E or P:
		Email 2 ryan.fletcher@woodplc.com	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX
Company:	First Mining Gold	Email 1 or Fax mark@firstmininggold.com
Contact:	Mark Ridgway	Email 2

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q81056	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): ~~L2671325~~ Y | ALS Contact: Peter Stastny | Sampler:

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total Dustfall	Number of Containers
1	SP1-October Dustfall	Oct 1 - Nov 1	10:00	Air	R	1
2	Trip Blank - October			Air	R	1
3	SP1-November Dustfall	Nov 1 - Dec 2	10:00	Air	R	1
4	Trip Blank - November			Air	R	1
5	SP2-October Dustfall	Oct 1 - Nov 1	10:00	Air	R	1
6	SP2-November Dustfall	Nov 1 - Dec 2	10:00	Air	R	1

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ Yes ☑ No

Are samples for human drinking water use? ☐ Yes ☑ No

Special Instructions / Specify Criteria to add on report (client Use)

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice packs Yes ☑ No ☐ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
2.1					

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by: Mark Ridgway	Date: Dec 9/21	Time: 1200	Received by: AJ	Date: 12/09/21	Time: pm 4:25	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326e v08 Front/03 October 2013

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

Y

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 04-MAY-22
Report Date: 18-MAY-22 14:36 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2704013

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2704013-1 SP1 DUSTFALL-030222 Sampled By: CLIENT on 31-MAR-22 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	0.19		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Insoluble Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Soluble Dustfall	0.13		0.11	mg/dm2.day		16-MAY-22	R5784179
L2704013-2 SP2 DUSTFALL-030222 Sampled By: CLIENT on 31-MAR-22 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	0.15		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Insoluble Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Soluble Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179
L2704013-3 SP1 DUSTFALL-010422 Sampled By: CLIENT on 27-APR-22 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	0.46		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Insoluble Dustfall	0.35		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Soluble Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179
L2704013-4 SP2 DUSTFALL-010422 Sampled By: CLIENT on 27-APR-22 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	0.36		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Insoluble Dustfall	0.28		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Soluble Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179
L2704013-5 DUSTFALL BLANK Sampled By: CLIENT on 27-APR-22 @ 12:00 Matrix: AIR							
Particulates							
Total Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Insoluble Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179
Total Soluble Dustfall	<0.11		0.11	mg/dm2.day		16-MAY-22	R5784179

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

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Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch	**R5784179**							
WG3727916-2	**LCS**							
Total Dustfall			98.9		%		85-115	16-MAY-22
Total Insoluble Dustfall			95.9		%		85-115	16-MAY-22
Total Soluble Dustfall			99.3		%		85-115	16-MAY-22
WG3727916-1	**MB**							
Total Dustfall			<0.10		mg/dm2.day		0.1	16-MAY-22
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	16-MAY-22
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	16-MAY-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

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Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L2704013-COFC

COC Number: 20 -

Page 1 of 1

Report To		Report Format / Distribution		Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Mark Ridgway	Quality Control (QC) Report with Report	☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Suite 2070, 1188 West Georgia St Vancouver, BC V6E 4A2	☑ Criteria on Report - provide details below if box checked		E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
		Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:		Email 1 or Fax	mark@firstmininggold.com	Specify Date Required for E2,E or P:
		Email 2	ryan.fletcher@woodplc.com	

Invoice To		Invoice Distribution	
	Same as Report To ☑ Yes ☐ No		
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX
Company:	First Mining Gold	Email 1 or Fax	mark@firstmininggold.com
Contact:	Mark Ridgway	Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	~~Q81056~~ Q85253	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only): L2704013

ALS Contact: Peter Stastny

Sampler:

Analysis Request — Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total Dustfall	Number of Containers
-1	SP1-Dustfall-030222	March 3-March31		Air	R	1
-2	SP2-Dustfall-030222	March 3-March31		Air	R	1
-3	SP1 Dustfall-010422	March31-April27		Air	R	
-4	SP2 Dustfall-010422	March31-April27		Air	R	
-5	Dustfall Blank				R	

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No	
Are samples for human drinking water use? ☐ Yes ☑ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐		SIF Observations	Yes ☐	No ☐
Ice packs	Yes ☐	No ☒	Custody seal intact	Yes ☐	No ☐
Cooling Initiated	☐				

No

INITIAL COOLER TEMPERATURES °C		FINAL COOLER TEMPERATURES °C			
11.0	15°C				

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by: LV	Date: 29/4/22	Time: 11:43	Received by:	Date:	Time:

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0326e v08 Front/03 October 2013

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 20-AUG-22
Report Date: 16-SEP-22 07:38 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2729728

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729728-1 SP1 JUNE DUSTFALL Sampled By: CLIENT on 17-AUG-22 Matrix: AIR							
Particulates							
Total Dustfall	10.4		0.10	mg/dm2.day		13-SEP-22	R5860917
Total Insoluble Dustfall	8.68		0.10	mg/dm2.day		13-SEP-22	R5860917
Total Soluble Dustfall	1.69		0.10	mg/dm2.day		13-SEP-22	R5860917
Metals							
Aluminum (Al)-Total	0.00236		0.000045	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Antimony (Sb)-Total	<0.0000015		0.0000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Arsenic (As)-Total	0.0000110		0.0000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Barium (Ba)-Total	0.0000641		0.00000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Beryllium (Be)-Total	<0.0000075		0.0000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Bismuth (Bi)-Total	<0.0000075		0.0000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Boron (B)-Total	<0.00015		0.00015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Cadmium (Cd)-Total	0.00000299		0.00000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Calcium (Ca)-Total	0.0100		0.00030	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Chromium (Cr)-Total	0.0000081		0.0000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Cobalt (Co)-Total	0.0000017		0.0000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Copper (Cu)-Total	0.000149		0.0000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Iron (Fe)-Total	0.00299		0.00045	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Lead (Pb)-Total	0.00000331		0.00000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Lithium (Li)-Total	<0.000075		0.000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Magnesium (Mg)-Total	0.00818		0.000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Manganese (Mn)-Total	0.000321		0.0000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Molybdenum (Mo)-Total	0.00000112		0.00000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Nickel (Ni)-Total	<0.0000075		0.0000075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Phosphorus (P)-Total	0.0464		0.00075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Potassium (K)-Total	0.0600		0.00075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Selenium (Se)-Total	<0.000015		0.000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Silicon (Si)-Total	0.00678		0.00075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Silver (Ag)-Total	0.00000046		0.00000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Sodium (Na)-Total	0.0123		0.00075	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Strontium (Sr)-Total	0.0000308		0.0000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Thallium (Tl)-Total	<0.0000015		0.0000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Tin (Sn)-Total	<0.0000015		0.0000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Titanium (Ti)-Total	<0.00015		0.00015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Uranium (U)-Total	<0.00000015		0.00000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Vanadium (V)-Total	<0.000015		0.000015	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Zinc (Zn)-Total	0.000399		0.000045	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
L2729728-2 SP JUNE DUSTFALL Sampled By: CLIENT							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729728-2 SP JUNE DUSTFALL Sampled By: CLIENT Matrix: AIR							
Particulates							
Total Dustfall	8.24		0.10	mg/dm2.day		13-SEP-22	R5860917
Total Insoluble Dustfall	6.54		0.10	mg/dm2.day		13-SEP-22	R5860917
Total Soluble Dustfall	1.71		0.10	mg/dm2.day		13-SEP-22	R5860917
Metals							
Aluminum (Al)-Total	0.0341		0.000027	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Antimony (Sb)-Total	0.00000522		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Arsenic (As)-Total	0.0000885		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Barium (Ba)-Total	0.000267		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Beryllium (Be)-Total	<0.0000046		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Bismuth (Bi)-Total	<0.0000046		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Boron (B)-Total	0.000094		0.000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Cadmium (Cd)-Total	0.00000056		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Calcium (Ca)-Total	0.0356		0.00018	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Chromium (Cr)-Total	0.0000660		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Cobalt (Co)-Total	0.0000302		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Copper (Cu)-Total	0.0000868		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Iron (Fe)-Total	0.0471		0.00027	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Lead (Pb)-Total	0.0000445		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Lithium (Li)-Total	<0.000046		0.000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Magnesium (Mg)-Total	0.0163		0.000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Manganese (Mn)-Total	0.00181		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Molybdenum (Mo)-Total	0.00000697		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Nickel (Ni)-Total	0.0000598		0.0000046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Phosphorus (P)-Total	0.0181		0.00046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Potassium (K)-Total	0.0765		0.00046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Selenium (Se)-Total	<0.0000091		0.0000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Silicon (Si)-Total	0.0650		0.00046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Silver (Ag)-Total	0.000000796		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Sodium (Na)-Total	0.00964		0.00046	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Strontium (Sr)-Total	0.000127		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Thallium (Tl)-Total	<0.00000091		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Tin (Sn)-Total	0.00000184		0.00000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Titanium (Ti)-Total	0.00153		0.000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729728-2 SP JUNE DUSTFALL Sampled By: CLIENT Matrix: AIR							
Metals							
Uranium (U)-Total	0.00000125		0.000000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Vanadium (V)-Total	0.0000691		0.0000091	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316
Zinc (Zn)-Total	0.000306		0.000027	mg/dm2.day	14-SEP-22	15-SEP-22	R5861316

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

MET-DUST(DM2)-MS-VA	Dustfall	Total Metals in Dustfalls by ICPMS	EPA 6020A

This analysis is carried out using procedures adapted from "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, and with procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846 published by the United States Environmental Protection Agency (EPA). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch R5860917								
WG3762523-2 LCS								
Total Dustfall			100.4		%		85-115	13-SEP-22
Total Insoluble Dustfall			99.3		%		85-115	13-SEP-22
Total Soluble Dustfall			100.6		%		85-115	13-SEP-22
WG3762523-1 MB								
Total Dustfall			<0.10		mg/dm2.day		0.1	13-SEP-22
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	13-SEP-22
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	13-SEP-22
MET-DUST(DM2)-MS-VA	**Dustfall**							
Batch R5861316								
WG3762124-3 DUP		**L2729728-1**						
Aluminum (Al)-Total		0.00236	0.00262		mg/dm2.day	10	20	15-SEP-22
Antimony (Sb)-Total		<0.0000015	<0.0000015	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Arsenic (As)-Total		0.0000110	0.0000116		mg/dm2.day	5.0	20	15-SEP-22
Barium (Ba)-Total		0.0000641	0.0000757		mg/dm2.day	17	20	15-SEP-22
Beryllium (Be)-Total		<0.0000075	<0.0000075	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Bismuth (Bi)-Total		<0.0000075	<0.0000075	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Boron (B)-Total		<0.00015	<0.00015	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Cadmium (Cd)-Total		0.00000299	0.00000344		mg/dm2.day	14	20	15-SEP-22
Calcium (Ca)-Total		0.0100	0.0115		mg/dm2.day	14	20	15-SEP-22
Chromium (Cr)-Total		0.0000081	0.0000082		mg/dm2.day	1.7	20	15-SEP-22
Cobalt (Co)-Total		0.0000017	0.0000020		mg/dm2.day	16	20	15-SEP-22
Copper (Cu)-Total		0.000149	0.000165		mg/dm2.day	10	20	15-SEP-22
Lead (Pb)-Total		0.00000331	0.00000425	J	mg/dm2.day	0.000000	0.0000015	15-SEP-22
Iron (Fe)-Total		0.00299	0.00345		mg/dm2.day	14	20	15-SEP-22
Lithium (Li)-Total		<0.000075	<0.000075	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Magnesium (Mg)-Total		0.00818	0.00964		mg/dm2.day	16	20	15-SEP-22
Manganese (Mn)-Total		0.000321	0.000377		mg/dm2.day	16	20	15-SEP-22
Molybdenum (Mo)-Total		0.00000112	0.00000117		mg/dm2.day	4.3	20	15-SEP-22
Nickel (Ni)-Total		<0.0000075	<0.0000075	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Phosphorus (P)-Total		0.0464	0.0558		mg/dm2.day	18	20	15-SEP-22
Potassium (K)-Total		0.0600	0.0690		mg/dm2.day	14	20	15-SEP-22
Selenium (Se)-Total		<0.000015	<0.000015	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Silicon (Si)-Total		0.00678	0.00672		mg/dm2.day	0.8	20	15-SEP-22
Silver (Ag)-Total		0.00000046	0.00000044		mg/dm2.day	2.6	20	15-SEP-22

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-DUST(DM2)-MS-VA	**Dustfall**							
Batch R5861316								
WG3762124-3 DUP		**L2729728-1**						
Sodium (Na)-Total		0.0123	0.0136		mg/dm2.day	9.7	20	15-SEP-22
Strontium (Sr)-Total		0.0000308	0.0000338		mg/dm2.day	9.4	20	15-SEP-22
Thallium (Tl)-Total		<0.0000015	<0.0000015	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Tin (Sn)-Total		<0.0000015	<0.0000015	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Titanium (Ti)-Total		<0.00015	<0.00015	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Uranium (U)-Total		<0.00000015	0.00000019	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Vanadium (V)-Total		<0.000015	<0.000015	RPD-NA	mg/dm2.day	N/A	20	15-SEP-22
Zinc (Zn)-Total		0.000399	0.000455		mg/dm2.day	13	20	15-SEP-22
WG3762124-2 LCS								
Aluminum (Al)-Total			96.8		%		80-120	15-SEP-22
Antimony (Sb)-Total			115.2		%		80-120	15-SEP-22
Arsenic (As)-Total			101.5		%		80-120	15-SEP-22
Barium (Ba)-Total			96.4		%		80-120	15-SEP-22
Beryllium (Be)-Total			102.2		%		80-120	15-SEP-22
Bismuth (Bi)-Total			102.7		%		80-120	15-SEP-22
Boron (B)-Total			94.8		%		80-120	15-SEP-22
Cadmium (Cd)-Total			99.3		%		80-120	15-SEP-22
Calcium (Ca)-Total			101.3		%		80-120	15-SEP-22
Chromium (Cr)-Total			101.1		%		80-120	15-SEP-22
Cobalt (Co)-Total			96.6		%		80-120	15-SEP-22
Copper (Cu)-Total			96.7		%		80-120	15-SEP-22
Lead (Pb)-Total			103.8		%		80-120	15-SEP-22
Iron (Fe)-Total			110.7		%		80-120	15-SEP-22
Lithium (Li)-Total			99.8		%		80-120	15-SEP-22
Magnesium (Mg)-Total			101.7		%		80-120	15-SEP-22
Manganese (Mn)-Total			97.6		%		80-120	15-SEP-22
Molybdenum (Mo)-Total			110.2		%		80-120	15-SEP-22
Nickel (Ni)-Total			98.0		%		80-120	15-SEP-22
Phosphorus (P)-Total			109.3		%		80-120	15-SEP-22
Potassium (K)-Total			100.9		%		80-120	15-SEP-22
Selenium (Se)-Total			97.4		%		80-120	15-SEP-22
Silicon (Si)-Total			99.9		%		80-120	15-SEP-22
Silver (Ag)-Total			88.3		%		80-120	15-SEP-22
Sodium (Na)-Total			106.7		%		80-120	15-SEP-22

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-DUST(DM2)-MS-VA	**Dustfall**							
Batch	**R5861316**							
WG3762124-2	**LCS**							
Strontium (Sr)-Total			108.0		%		80-120	15-SEP-22
Thallium (Tl)-Total			107.1		%		80-120	15-SEP-22
Tin (Sn)-Total			99.9		%		80-120	15-SEP-22
Titanium (Ti)-Total			99.1		%		80-120	15-SEP-22
Uranium (U)-Total			104.4		%		80-120	15-SEP-22
Vanadium (V)-Total			99.1		%		80-120	15-SEP-22
Zinc (Zn)-Total			101.3		%		80-120	15-SEP-22
WG3762124-1	**MB**							
Aluminum (Al)-Total			<0.000079		mg/dm2.day		0.000079	15-SEP-22
Antimony (Sb)-Total			<0.0000026		mg/dm2.day		0.0000026	15-SEP-22
Arsenic (As)-Total			<0.0000026		mg/dm2.day		0.0000026	15-SEP-22
Barium (Ba)-Total			<0.0000013		mg/dm2.day		0.0000013	15-SEP-22
Beryllium (Be)-Total			<0.000013		mg/dm2.day		0.000013	15-SEP-22
Bismuth (Bi)-Total			<0.000013		mg/dm2.day		0.000013	15-SEP-22
Boron (B)-Total			<0.00026		mg/dm2.day		0.00026	15-SEP-22
Cadmium (Cd)-Total			<0.0000013		mg/dm2.day		0.0000013	15-SEP-22
Calcium (Ca)-Total			<0.00052		mg/dm2.day		0.00052	15-SEP-22
Chromium (Cr)-Total			<0.000013		mg/dm2.day		0.000013	15-SEP-22
Cobalt (Co)-Total			<0.0000026		mg/dm2.day		0.0000026	15-SEP-22
Copper (Cu)-Total			<0.000013		mg/dm2.day		0.000013	15-SEP-22
Lead (Pb)-Total			<0.0000013		mg/dm2.day		0.0000013	15-SEP-22
Iron (Fe)-Total			<0.00079		mg/dm2.day		0.00079	15-SEP-22
Lithium (Li)-Total			<0.00013		mg/dm2.day		0.00013	15-SEP-22
Magnesium (Mg)-Total			<0.00013		mg/dm2.day		0.00013	15-SEP-22
Manganese (Mn)-Total			<0.0000026		mg/dm2.day		0.0000026	15-SEP-22
Molybdenum (Mo)-Total			<0.0000013		mg/dm2.day		0.0000013	15-SEP-22
Nickel (Ni)-Total			<0.000013		mg/dm2.day		0.000013	15-SEP-22
Phosphorus (P)-Total			<0.0013		mg/dm2.day		0.0013	15-SEP-22
Potassium (K)-Total			<0.0013		mg/dm2.day		0.0013	15-SEP-22
Selenium (Se)-Total			<0.000026		mg/dm2.day		0.000026	15-SEP-22
Silicon (Si)-Total			<0.0013		mg/dm2.day		0.0013	15-SEP-22
Silver (Ag)-Total			<0.0000002		mg/dm2.day		0.00000026	15-SEP-22
Sodium (Na)-Total			<0.0013		mg/dm2.day		0.0013	15-SEP-22
Strontium (Sr)-Total			<0.0000026		mg/dm2.day		0.0000026	15-SEP-22

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-DUST(DM2)-MS-VA	**Dustfall**							
Batch R5861316								
WG3762124-1 MB								
Thallium (Tl)-Total			<0.0000026		mg/dm2.day		0.0000026	15-SEP-22
Tin (Sn)-Total			<0.0000026		mg/dm2.day		0.0000026	15-SEP-22
Titanium (Ti)-Total			<0.00026		mg/dm2.day		0.00026	15-SEP-22
Uranium (U)-Total			<0.0000002		mg/dm2.day		0.00000026	15-SEP-22
Vanadium (V)-Total			<0.000026		mg/dm2.day		0.000026	15-SEP-22
Zinc (Zn)-Total			<0.000079		mg/dm2.day		0.000079	15-SEP-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L2729728-COFC

COC Number: 20 -

Page 1 of 1

Report To		Report Format / Distribution		Turnaround Time (TAT) Requested (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format: ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)		R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Mark Ridgway	Quality Control (QC) Report with Report ☑ Yes ☐ No		P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Suite 2070, 1188 West Georgia St Vancouver, BC V6E 4A2	☑ Criteria on Report - provide details below if box checked Select Distribution: ☑ EMAIL ☐ MAIL ☐ FAX		E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:		Email 1 or Fax mark@firstmininggold.com		Specify Date Required for E2,E or P:
		Email 2 ryan.fletcher@woodplc.com		

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution	
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution: ☑ EMAIL ☐ MAIL ☐ FAX	
Company:	First Mining Gold	Email 1 or Fax mark@firstmininggold.com	
Contact:	Mark Ridgway	Email 2	

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q81056	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	
ALS Lab Work Order # (lab use only)	L2729728	ALS Contact: Peter Stastny	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total Dustfall	Number of Containers
	SP1 June Dustfall	June1-Aug17		Air	R	1
	SP2 June Dustfall	June1-Aug17		Air	R	1

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No	
Are samples for human drinking water use? ☐ Yes ☑ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice packs Yes ☑ No ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☑

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
13.0				17.6			

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by: NP3	Date: Aug 20, 22	Time: 12:15 PM	Received by:	Date: 8/23/22	Time: 10:10

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 15-NOV-22
Report Date: 02-DEC-22 14:55 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2741600

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2741600-1 SP2-DUSTFALL-30-08-22 Sampled By: CLIENT on 30-AUG-22 Matrix: DUSTFALL							
Particulates							
Total Dustfall	0.68		0.10	mg/dm2.day		01-DEC-22	R5901276
Total Insoluble Dustfall	0.34		0.10	mg/dm2.day		01-DEC-22	R5901276
Total Soluble Dustfall	0.34		0.10	mg/dm2.day		01-DEC-22	R5901276

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
DUSTFALLS-COM-DM2-VA	Dustfall	Combined Dustfalls-Total, soluble, insol	BCMOE PARTICULATE

This analysis is carried out using procedures modified from British Columbia Environmental Manual "Particulate."
Particulates or Dustfall are determined gravimetrically. Total Insoluble Dustfall is determined by filtering a sample through a 0.45 um membrane filter and drying the filter at 104 degrees celsius. Total Soluble Dustfall is determined by evaporating the filtrate to dryness at 104 degrees celsius. The Total Dustfall is the sum of Insoluble Dustfall and the Soluble Dustfall.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L2741600 Report Date: 02-DEC-22

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
DUSTFALLS-COM-DM2-VA	**Dustfall**							
Batch	**R5901276**							
WG3774796-2	**LCS**							
Total Dustfall			100.6		%		85-115	01-DEC-22
Total Insoluble Dustfall			107.5		%		85-115	01-DEC-22
Total Soluble Dustfall			99.6		%		85-115	01-DEC-22
WG3774796-1	**MB**							
Total Dustfall			<0.10		mg/dm2.day		0.1	01-DEC-22
Total Insoluble Dustfall			<0.10		mg/dm2.day		0.1	01-DEC-22
Total Soluble Dustfall			<0.10		mg/dm2.day		0.1	01-DEC-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

Chain of Custody (COC) / Analytical Request Form

ALS Environmental

Canada Toll Free: 1 800 668 9878

www.alsglobal.com

L2741600-COFC

COC Number: 20 -

Page 1 of 1

Report To		Report Format / Distribution		Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company:	First Mining Gold	Select Report Format:	☑ PDF ☑ EXCEL ☐ EDD (DIGITAL)	R ☑ Regular (Standard TAT if received by 3 pm - business days)
Contact:	Mark Ridgway	Quality Control (QC) Report with Report	☑ Yes ☐ No	P ☐ Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address:	Suite 2070, 1188 West Georgia St	☑ Criteria on Report - provide details below if box checked		E ☐ Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
	Vancouver, BC V6E 4A2	Select Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	E2 ☐ Same day or weekend emergency - contact ALS to confirm TAT and surcharge
Phone:		Email 1 or Fax	mark@firstminninggold.com	Specify Date Required for E2,E or P:
		Email 2	ryan.fletcher@woodplc.com	

Invoice To	Same as Report To ☑ Yes ☐ No	Invoice Distribution		
	Copy of Invoice with Report ☐ Yes ☑ No	Select Invoice Distribution:	☑ EMAIL ☐ MAIL ☐ FAX	
Company:	First Mining Gold	Email 1 or Fax	mark@firstminninggold.com	
Contact:	Mark Ridgway	Email 2		

Project Information		Oil and Gas Required Fields (client use)	
ALS Quote #:	Q81056	Approver ID:	Cost Center:
Job #:		GL Account:	Routing Code:
PO / AFE:		Activity Code:	
LSD:		Location:	

ALS Lab Work Order # (lab use only)	L2741600	ALS Contact: Peter Stastny	Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	Total Dustfall	Number of Containers
	SP1-Dustfall-30-08-22	Aug 30 - Sep 30		Air	R	1
	SP2-Dustfall-30-08-22	Aug 30 - Sep 30		Air	R	1

Drinking Water (DW) Samples[1] (client use)	Special Instructions / Specify Criteria to add on report (client Use)
Are samples taken from a Regulated DW System? ☐ Yes ☑ No	did not receive SP1
Are samples for human drinking water use? ☐ Yes ☑ No	

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen	☐		SIF Observations	Yes	☑	No	☐
Ice packs	Yes ☑	No ☐	Custody seal intact	Yes	☐	No	☐
Cooling Initiated	☑						

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
21.1			8.8		

SHIPMENT RELEASE (client use)			INITIAL SHIPMENT RECEPTION (lab use only)			FINAL SHIPMENT RECEPTION (lab use only)		
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by: ALS TB: LV / R.M	Date: 11/11/22	Time: 11:45 / 6:10p
				15-Nov 22				

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

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16/11/22

NA-FM-0326e v09 Front/03 October 2013

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1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

FIRST MINING GOLD
ATTN: Shaun Groulx
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 05-APR-21
Report Date: 22-APR-21 12:27 (MT)
Version: FINAL

Client Phone: 844-306-8827

Certificate of Analysis

Lab Work Order #: L2573145

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2573145-1 SP1-TSP-040321 Sampled By: CLIENT on 05-MAR-21 Matrix: AA									
Field Tests									
Air volume	7.22 m3	Air Conc.						05-APR-21	R5434952
Particulates									
Total particulate			<2.1		2.1	ug/m3		13-APR-21	R5434953
Total particulate			<15		15	ug		13-APR-21	R5434953
Total Metals									
Aluminum (Al)			<1.2		1.2	ug/m3	21-APR-21	21-APR-21	R5437288
Aluminum (Al)			<9.0		9.0	ug	21-APR-21	21-APR-21	R5437288
Antimony (Sb)			<0.035		0.035	ug/m3	21-APR-21	21-APR-21	R5437288
Antimony (Sb)			<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Arsenic (As)			<0.42		0.42	ug/m3	21-APR-21	21-APR-21	R5437288
Arsenic (As)			<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Barium (Ba)			<0.069		0.069	ug/m3	21-APR-21	21-APR-21	R5437288
Barium (Ba)			<0.50		0.50	ug	21-APR-21	21-APR-21	R5437288
Beryllium (Be)			<0.0069		0.0069	ug/m3	21-APR-21	21-APR-21	R5437288
Beryllium (Be)			<0.050		0.050	ug	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)			<0.25		0.25	ug/m3	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)			<1.8		1.8	ug	21-APR-21	21-APR-21	R5437288
Boron (B)			<2.1		2.1	ug/m3	21-APR-21	21-APR-21	R5437288
Boron (B)			<15		15	ug	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)			<0.0037		0.0037	ug/m3	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)			<0.027		0.027	ug	21-APR-21	21-APR-21	R5437288
Calcium (Ca)			<69		69	ug/m3	21-APR-21	21-APR-21	R5437288
Calcium (Ca)			<500		500	ug	21-APR-21	21-APR-21	R5437288
Chromium (Cr)			<0.47		0.47	ug/m3	21-APR-21	21-APR-21	R5437288
Chromium (Cr)			<3.4		3.4	ug	21-APR-21	21-APR-21	R5437288
Cobalt (Co)			<0.0042		0.0042	ug/m3	21-APR-21	21-APR-21	R5437288
Cobalt (Co)			<0.030		0.030	ug	21-APR-21	21-APR-21	R5437288
Copper (Cu)			<0.14		0.14	ug/m3	21-APR-21	21-APR-21	R5437288
Copper (Cu)			<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Iron (Fe)			<1.7		1.7	ug/m3	21-APR-21	21-APR-21	R5437288
Iron (Fe)			<12		12	ug	21-APR-21	21-APR-21	R5437288
Lead (Pb)			<0.017		0.017	ug/m3	21-APR-21	21-APR-21	R5437288
Lead (Pb)			<0.12		0.12	ug	21-APR-21	21-APR-21	R5437288
Lithium (Li)			<0.14		0.14	ug/m3	21-APR-21	21-APR-21	R5437288
Lithium (Li)			<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)			<8.3		8.3	ug/m3	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)			<60		60	ug	21-APR-21	21-APR-21	R5437288
Manganese (Mn)			<0.062		0.062	ug/m3	21-APR-21	21-APR-21	R5437288
Manganese (Mn)			<0.45		0.45	ug	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)			<0.050		0.050	ug/m3	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)			<0.36		0.36	ug	21-APR-21	21-APR-21	R5437288
Nickel (Ni)			<0.035		0.035	ug/m3	21-APR-21	21-APR-21	R5437288
Nickel (Ni)			<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Phosphorus (P)			<100		100	ug/m3	21-APR-21	21-APR-21	R5437288
Phosphorus (P)			<750		750	ug	21-APR-21	21-APR-21	R5437288

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2573145-1 SP1-TSP-040321 Sampled By: CLIENT on 05-MAR-21 Matrix: AA							
Total Metals							
Potassium (K)	<10		10	ug/m3	21-APR-21	21-APR-21	R5437288
Potassium (K)	<75		75	ug	21-APR-21	21-APR-21	R5437288
Selenium (Se)	<0.18		0.18	ug/m3	21-APR-21	21-APR-21	R5437288
Selenium (Se)	<1.3		1.3	ug	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.012		0.012	ug/m3	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.090		0.090	ug	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<73		73	ug/m3	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<530		530	ug	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<0.42		0.42	ug/m3	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.083		0.083	ug/m3	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.60		0.60	ug	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<1.5		1.5	ug/m3	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<11		11	ug	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<0.69		0.69	ug/m3	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<5.0		5.0	ug	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<0.62		0.62	ug/m3	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<4.5		4.5	ug	21-APR-21	21-APR-21	R5437288
L2573145-2 SP1-TSP-110321 Sampled By: CLIENT on 11-MAR-21 Matrix: AA							
Field Tests							
Air volume 7.47 m3 Air Conc.						05-APR-21	R5434952
Particulates							
Total particulate	<2.0		2.0	ug/m3		13-APR-21	R5434953
Total particulate	<15		15	ug		13-APR-21	R5434953
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	21-APR-21	21-APR-21	R5437288
Aluminum (Al)	<9.0		9.0	ug	21-APR-21	21-APR-21	R5437288
Antimony (Sb)	<0.033		0.033	ug/m3	21-APR-21	21-APR-21	R5437288
Antimony (Sb)	<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Arsenic (As)	<0.40		0.40	ug/m3	21-APR-21	21-APR-21	R5437288
Arsenic (As)	<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Barium (Ba)	<0.067		0.067	ug/m3	21-APR-21	21-APR-21	R5437288
Barium (Ba)	<0.50		0.50	ug	21-APR-21	21-APR-21	R5437288
Beryllium (Be)	<0.0067		0.0067	ug/m3	21-APR-21	21-APR-21	R5437288
Beryllium (Be)	<0.050		0.050	ug	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)	<0.24		0.24	ug/m3	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)	<1.8		1.8	ug	21-APR-21	21-APR-21	R5437288
Boron (B)	<2.0		2.0	ug/m3	21-APR-21	21-APR-21	R5437288
Boron (B)	<15		15	ug	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)	<0.0036		0.0036	ug/m3	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)	<0.027		0.027	ug	21-APR-21	21-APR-21	R5437288
Calcium (Ca)	<67		67	ug/m3	21-APR-21	21-APR-21	R5437288
Calcium (Ca)	<500		500	ug	21-APR-21	21-APR-21	R5437288

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2573145-2 SP1-TSP-110321 Sampled By: CLIENT on 11-MAR-21 Matrix: AA							
Total Metals							
Chromium (Cr)	<0.46		0.46	ug/m3	21-APR-21	21-APR-21	R5437288
Chromium (Cr)	<3.4		3.4	ug	21-APR-21	21-APR-21	R5437288
Cobalt (Co)	<0.0040		0.0040	ug/m3	21-APR-21	21-APR-21	R5437288
Cobalt (Co)	<0.030		0.030	ug	21-APR-21	21-APR-21	R5437288
Copper (Cu)	<0.13		0.13	ug/m3	21-APR-21	21-APR-21	R5437288
Copper (Cu)	<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Iron (Fe)	<1.6		1.6	ug/m3	21-APR-21	21-APR-21	R5437288
Iron (Fe)	<12		12	ug	21-APR-21	21-APR-21	R5437288
Lead (Pb)	<0.016		0.016	ug/m3	21-APR-21	21-APR-21	R5437288
Lead (Pb)	<0.12		0.12	ug	21-APR-21	21-APR-21	R5437288
Lithium (Li)	<0.13		0.13	ug/m3	21-APR-21	21-APR-21	R5437288
Lithium (Li)	<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)	<8.0		8.0	ug/m3	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)	<60		60	ug	21-APR-21	21-APR-21	R5437288
Manganese (Mn)	<0.060		0.060	ug/m3	21-APR-21	21-APR-21	R5437288
Manganese (Mn)	<0.45		0.45	ug	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)	<0.048		0.048	ug/m3	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)	<0.36		0.36	ug	21-APR-21	21-APR-21	R5437288
Nickel (Ni)	<0.033		0.033	ug/m3	21-APR-21	21-APR-21	R5437288
Nickel (Ni)	<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Phosphorus (P)	<100		100	ug/m3	21-APR-21	21-APR-21	R5437288
Phosphorus (P)	<750		750	ug	21-APR-21	21-APR-21	R5437288
Potassium (K)	<10		10	ug/m3	21-APR-21	21-APR-21	R5437288
Potassium (K)	<75		75	ug	21-APR-21	21-APR-21	R5437288
Selenium (Se)	<0.17		0.17	ug/m3	21-APR-21	21-APR-21	R5437288
Selenium (Se)	<1.3		1.3	ug	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.012		0.012	ug/m3	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.090		0.090	ug	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<71		71	ug/m3	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<530		530	ug	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<0.40		0.40	ug/m3	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.080		0.080	ug/m3	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.60		0.60	ug	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<1.5		1.5	ug/m3	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<11		11	ug	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<0.67		0.67	ug/m3	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<5.0		5.0	ug	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<0.60		0.60	ug/m3	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<4.5		4.5	ug	21-APR-21	21-APR-21	R5437288
L2573145-3 SP1-PM2.5-110321 Sampled By: CLIENT on 11-MAR-21 Matrix: AA							
Field Tests							
Air volume 6.83 m3 Air Conc.						05-APR-21	R5434952

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2573145-3	SP1-PM2.5-110321								
Sampled By:	CLIENT on 11-MAR-21								
Matrix:	AA								
Particulates									
Total particulate			<2.2		2.2	ug/m3		13-APR-21	R5434953
Total particulate			<15		15	ug		13-APR-21	R5434953
L2573145-4	SP1-PM2.5-040321								
Sampled By:	CLIENT on 05-MAR-21								
Matrix:	AA								
Field Tests									
Air volume	7.15 m3	Air Conc.						05-APR-21	R5434952
Particulates									
Total particulate			<2.1		2.1	ug/m3		13-APR-21	R5434953
Total particulate			<15		15	ug		13-APR-21	R5434953
L2573145-5	SP1-TSP-170321								
Sampled By:	CLIENT on 17-MAR-21								
Matrix:	AA								
Field Tests									
Air volume	7.2 m3	Air Conc.						05-APR-21	R5434952
Particulates									
Total particulate			<2.1		2.1	ug/m3		13-APR-21	R5434953
Total particulate			<15		15	ug		13-APR-21	R5434953
Total Metals									
Aluminum (Al)			<1.3		1.3	ug/m3	21-APR-21	21-APR-21	R5437288
Aluminum (Al)			<9.0		9.0	ug	21-APR-21	21-APR-21	R5437288
Antimony (Sb)			<0.035		0.035	ug/m3	21-APR-21	21-APR-21	R5437288
Antimony (Sb)			<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Arsenic (As)			<0.42		0.42	ug/m3	21-APR-21	21-APR-21	R5437288
Arsenic (As)			<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Barium (Ba)			<0.069		0.069	ug/m3	21-APR-21	21-APR-21	R5437288
Barium (Ba)			<0.50		0.50	ug	21-APR-21	21-APR-21	R5437288
Beryllium (Be)			<0.0069		0.0069	ug/m3	21-APR-21	21-APR-21	R5437288
Beryllium (Be)			<0.050		0.050	ug	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)			<0.25		0.25	ug/m3	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)			<1.8		1.8	ug	21-APR-21	21-APR-21	R5437288
Boron (B)			<2.1		2.1	ug/m3	21-APR-21	21-APR-21	R5437288
Boron (B)			<15		15	ug	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)			<0.0038		0.0038	ug/m3	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)			<0.027		0.027	ug	21-APR-21	21-APR-21	R5437288
Calcium (Ca)			<69		69	ug/m3	21-APR-21	21-APR-21	R5437288
Calcium (Ca)			<500		500	ug	21-APR-21	21-APR-21	R5437288
Chromium (Cr)			<0.47		0.47	ug/m3	21-APR-21	21-APR-21	R5437288
Chromium (Cr)			<3.4		3.4	ug	21-APR-21	21-APR-21	R5437288
Cobalt (Co)			<0.0042		0.0042	ug/m3	21-APR-21	21-APR-21	R5437288
Cobalt (Co)			<0.030		0.030	ug	21-APR-21	21-APR-21	R5437288
Copper (Cu)			<0.14		0.14	ug/m3	21-APR-21	21-APR-21	R5437288
Copper (Cu)			<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Iron (Fe)			<1.7		1.7	ug/m3	21-APR-21	21-APR-21	R5437288
Iron (Fe)			<12		12	ug	21-APR-21	21-APR-21	R5437288

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2573145-5 SP1-TSP-170321 Sampled By: CLIENT on 17-MAR-21 Matrix: AA							
Total Metals							
Lead (Pb)	<0.017		0.017	ug/m3	21-APR-21	21-APR-21	R5437288
Lead (Pb)	<0.12		0.12	ug	21-APR-21	21-APR-21	R5437288
Lithium (Li)	<0.14		0.14	ug/m3	21-APR-21	21-APR-21	R5437288
Lithium (Li)	<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)	<8.3		8.3	ug/m3	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)	<60		60	ug	21-APR-21	21-APR-21	R5437288
Manganese (Mn)	<0.063		0.063	ug/m3	21-APR-21	21-APR-21	R5437288
Manganese (Mn)	<0.45		0.45	ug	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)	<0.050		0.050	ug/m3	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)	<0.36		0.36	ug	21-APR-21	21-APR-21	R5437288
Nickel (Ni)	<0.035		0.035	ug/m3	21-APR-21	21-APR-21	R5437288
Nickel (Ni)	<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Phosphorus (P)	<100		100	ug/m3	21-APR-21	21-APR-21	R5437288
Phosphorus (P)	<750		750	ug	21-APR-21	21-APR-21	R5437288
Potassium (K)	<10		10	ug/m3	21-APR-21	21-APR-21	R5437288
Potassium (K)	<75		75	ug	21-APR-21	21-APR-21	R5437288
Selenium (Se)	<0.18		0.18	ug/m3	21-APR-21	21-APR-21	R5437288
Selenium (Se)	<1.3		1.3	ug	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.013		0.013	ug/m3	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.090		0.090	ug	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<74		74	ug/m3	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<530		530	ug	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<0.42		0.42	ug/m3	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.083		0.083	ug/m3	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.60		0.60	ug	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<1.5		1.5	ug/m3	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<11		11	ug	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<0.69		0.69	ug/m3	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<5.0		5.0	ug	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<0.63		0.63	ug/m3	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<4.5		4.5	ug	21-APR-21	21-APR-21	R5437288
L2573145-6 SP1-PM2.5-170321 Sampled By: CLIENT on 17-MAR-21 Matrix: AA							
Field Tests							
Air volume 7.62 m3 Air Conc.						05-APR-21	R5434952
Particulates							
Total particulate	<2.0		2.0	ug/m3		13-APR-21	R5434953
Total particulate	<15		15	ug		13-APR-21	R5434953
L2573145-7 SP1-TSP-230321 Sampled By: CLIENT on 23-MAR-21 Matrix: AA							
Field Tests							
Air volume 7.19 m3 Air Conc.						05-APR-21	R5434952
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2573145-7 SP1-TSP-230321 Sampled By: CLIENT on 23-MAR-21 Matrix: AA							
Particulates							
Total particulate	<2.1		2.1	ug/m3		13-APR-21	R5434953
Total particulate	<15		15	ug		13-APR-21	R5434953
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	21-APR-21	21-APR-21	R5437288
Aluminum (Al)	<9.0		9.0	ug	21-APR-21	21-APR-21	R5437288
Antimony (Sb)	<0.035		0.035	ug/m3	21-APR-21	21-APR-21	R5437288
Antimony (Sb)	<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Arsenic (As)	<0.42		0.42	ug/m3	21-APR-21	21-APR-21	R5437288
Arsenic (As)	<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Barium (Ba)	<0.070		0.070	ug/m3	21-APR-21	21-APR-21	R5437288
Barium (Ba)	<0.50		0.50	ug	21-APR-21	21-APR-21	R5437288
Beryllium (Be)	<0.0070		0.0070	ug/m3	21-APR-21	21-APR-21	R5437288
Beryllium (Be)	<0.050		0.050	ug	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)	<0.25		0.25	ug/m3	21-APR-21	21-APR-21	R5437288
Bismuth (Bi)	<1.8		1.8	ug	21-APR-21	21-APR-21	R5437288
Boron (B)	<2.1		2.1	ug/m3	21-APR-21	21-APR-21	R5437288
Boron (B)	<15		15	ug	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)	<0.0038		0.0038	ug/m3	21-APR-21	21-APR-21	R5437288
Cadmium (Cd)	<0.027		0.027	ug	21-APR-21	21-APR-21	R5437288
Calcium (Ca)	<70		70	ug/m3	21-APR-21	21-APR-21	R5437288
Calcium (Ca)	<500		500	ug	21-APR-21	21-APR-21	R5437288
Chromium (Cr)	<0.47		0.47	ug/m3	21-APR-21	21-APR-21	R5437288
Chromium (Cr)	<3.4		3.4	ug	21-APR-21	21-APR-21	R5437288
Cobalt (Co)	<0.0042		0.0042	ug/m3	21-APR-21	21-APR-21	R5437288
Cobalt (Co)	<0.030		0.030	ug	21-APR-21	21-APR-21	R5437288
Copper (Cu)	<0.14		0.14	ug/m3	21-APR-21	21-APR-21	R5437288
Copper (Cu)	<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Iron (Fe)	<1.7		1.7	ug/m3	21-APR-21	21-APR-21	R5437288
Iron (Fe)	<12		12	ug	21-APR-21	21-APR-21	R5437288
Lead (Pb)	<0.017		0.017	ug/m3	21-APR-21	21-APR-21	R5437288
Lead (Pb)	<0.12		0.12	ug	21-APR-21	21-APR-21	R5437288
Lithium (Li)	<0.14		0.14	ug/m3	21-APR-21	21-APR-21	R5437288
Lithium (Li)	<1.0		1.0	ug	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)	<8.3		8.3	ug/m3	21-APR-21	21-APR-21	R5437288
Magnesium (Mg)	<60		60	ug	21-APR-21	21-APR-21	R5437288
Manganese (Mn)	<0.063		0.063	ug/m3	21-APR-21	21-APR-21	R5437288
Manganese (Mn)	<0.45		0.45	ug	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)	<0.050		0.050	ug/m3	21-APR-21	21-APR-21	R5437288
Molybdenum (Mo)	<0.36		0.36	ug	21-APR-21	21-APR-21	R5437288
Nickel (Ni)	<0.035		0.035	ug/m3	21-APR-21	21-APR-21	R5437288
Nickel (Ni)	<0.25		0.25	ug	21-APR-21	21-APR-21	R5437288
Phosphorus (P)	<100		100	ug/m3	21-APR-21	21-APR-21	R5437288
Phosphorus (P)	<750		750	ug	21-APR-21	21-APR-21	R5437288
Potassium (K)	<10		10	ug/m3	21-APR-21	21-APR-21	R5437288
Potassium (K)	<75		75	ug	21-APR-21	21-APR-21	R5437288

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2573145-7 SP1-TSP-230321 Sampled By: CLIENT on 23-MAR-21 Matrix: AA							
Total Metals							
Selenium (Se)	<0.18		0.18	ug/m3	21-APR-21	21-APR-21	R5437288
Selenium (Se)	<1.3		1.3	ug	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.013		0.013	ug/m3	21-APR-21	21-APR-21	R5437288
Silver (Ag)	<0.090		0.090	ug	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<74		74	ug/m3	21-APR-21	21-APR-21	R5437288
Sodium (Na)	<530		530	ug	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<0.42		0.42	ug/m3	21-APR-21	21-APR-21	R5437288
Strontium (Sr)	<3.0		3.0	ug	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.083		0.083	ug/m3	21-APR-21	21-APR-21	R5437288
Tin (Sn)	<0.60		0.60	ug	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<1.5		1.5	ug/m3	21-APR-21	21-APR-21	R5437288
Titanium (Ti)	<11		11	ug	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<0.70		0.70	ug/m3	21-APR-21	21-APR-21	R5437288
Vanadium (V)	<5.0		5.0	ug	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<0.63		0.63	ug/m3	21-APR-21	21-APR-21	R5437288
Zinc (Zn)	<4.5		4.5	ug	21-APR-21	21-APR-21	R5437288
L2573145-8 SP1-PM2.5-230321 Sampled By: CLIENT on 23-MAR-21 Matrix: AA							
Field Tests							
Air volume 7.05 m3 Air Conc.						05-APR-21	R5434952
Particulates							
Total particulate	<2.1		2.1	ug/m3		13-APR-21	R5434953
Total particulate	<15		15	ug		13-APR-21	R5434953

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shaun Groulx

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5437288								
WG3521641-2 LCS								
Silver (Ag)			100.2		%		70-130	21-APR-21
Aluminum (Al)			86.0		%		70-130	21-APR-21
Arsenic (As)			96.9		%		80-120	21-APR-21
Barium (Ba)			93.9		%		70-130	21-APR-21
Beryllium (Be)			98.1		%		70-130	21-APR-21
Cadmium (Cd)			103.4		%		80-120	21-APR-21
Cobalt (Co)			99.1		%		80-120	21-APR-21
Chromium (Cr)			102.0		%		80-120	21-APR-21
Copper (Cu)			102.0		%		80-120	21-APR-21
Iron (Fe)			96.0		%		80-120	21-APR-21
Magnesium (Mg)			95.8		%		70-130	21-APR-21
Manganese (Mn)			94.2		%		80-120	21-APR-21
Molybdenum (Mo)			90.6		%		70-130	21-APR-21
Nickel (Ni)			98.0		%		80-120	21-APR-21
Lead (Pb)			100.0		%		80-120	21-APR-21
Antimony (Sb)			92.5		%		80-120	21-APR-21
Selenium (Se)			103.0		%		80-120	21-APR-21
Vanadium (V)			102.0		%		80-120	21-APR-21
Zinc (Zn)			100.2		%		80-120	21-APR-21
Bismuth (Bi)			98.0		%		70-130	21-APR-21
Boron (B)			91.3		%		70-130	21-APR-21
Phosphorus (P)			92.0		%		70-130	21-APR-21
Strontium (Sr)			92.8		%		70-130	21-APR-21
Tin (Sn)			99.8		%		70-130	21-APR-21
Titanium (Ti)			90.2		%		70-130	21-APR-21
Calcium (Ca)			96.0		%		70-130	21-APR-21
Lithium (Li)			93.0		%		70-130	21-APR-21
Potassium (K)			95.6		%		70-130	21-APR-21
Sodium (Na)			94.8		%		70-130	21-APR-21
WG3521641-1 MB								
Silver (Ag)			<0.090		ug		0.09	21-APR-21
Aluminum (Al)			<9.0		ug		9	21-APR-21
Arsenic (As)			<3.0		ug		3	21-APR-21
Barium (Ba)			<0.50		ug		0.5	21-APR-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5437288								
WG3521641-1 MB								
Beryllium (Be)			<0.050		ug		0.05	21-APR-21
Cadmium (Cd)			<0.027		ug		0.027	21-APR-21
Cobalt (Co)			<0.030		ug		0.03	21-APR-21
Chromium (Cr)			<3.4		ug		3.4	21-APR-21
Copper (Cu)			<1.0		ug		1	21-APR-21
Iron (Fe)			<12		ug		12	21-APR-21
Magnesium (Mg)			<60		ug		60	21-APR-21
Manganese (Mn)			<0.45		ug		0.45	21-APR-21
Molybdenum (Mo)			<0.36		ug		0.36	21-APR-21
Nickel (Ni)			<0.25		ug		0.25	21-APR-21
Lead (Pb)			<0.12		ug		0.12	21-APR-21
Antimony (Sb)			<0.25		ug		0.25	21-APR-21
Selenium (Se)			<1.3		ug		1.25	21-APR-21
Vanadium (V)			<5.0		ug		10	21-APR-21
Zinc (Zn)			<4.5		ug		4.5	21-APR-21
Bismuth (Bi)			<1.8		ug		1.8	21-APR-21
Boron (B)			<15		ug		15	21-APR-21
Phosphorus (P)			<750		ug		750	21-APR-21
Strontium (Sr)			<3.0		ug		3	21-APR-21
Tin (Sn)			<0.60		ug		0.6	21-APR-21
Titanium (Ti)			<11		ug		10.5	21-APR-21
Calcium (Ca)			<500		ug		500	21-APR-21
Lithium (Li)			<1.0		ug		1	21-APR-21
Potassium (K)			<75		ug		75	21-APR-21
Sodium (Na)			<530		ug		525	21-APR-21
PART-M212 F-GRAV-BU	**Filter**							
Batch R5434953								
WG3521312-2 DUP		**L2573145-1**						
Total particulate		<15	<15	RPD-NA	ug	N/A	10	13-APR-21
WG3521312-1 MB								
Total particulate			<15		ug		15	13-APR-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

60 NORTHLAND ROAD, UNIT 1
WATERLOO, ON N2V 2B8
Phone: (519) 886-6910
Fax: (519) 886-9047
Toll Free: 1-800-668-9878

L2573145-COFC

AIR C nister/Tube/Gas Bag

Note: **All TAT Quoted** is in **business days** which exclude statutory holidays and weekends. TAT of samples received **past 3:00 pm or Saturday / Sunday** begin the next day.

Specify date required	Service Requested		Rush 3 day (100%)	☐
	10 day (regular)	☑	Rush 2 day (200%)	☐
	Rush 5 day (50%)	☐	Rush 1 day (300%) - Enquire	☐

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Shaun Groulx
PROJECT #	271-04-08
PHONE 1.844.306.8827	FAX
ACCOUNT #	
QUOTATION # Q81056	PO #

CRITERIA

Reg 419/05 ☐ Reg 153/04 SVI ☐

OTHER ☑ Please List EPA 325

REPORT FORMAT/DISTRIBUTION

EMAIL x FAX BOTH
SELECT: PDF x DIGITAL x BOTH
EMAIL 1 shaun@firstmininggold.com
EMAIL 2 ryan.fletcher@woodplc.com

ANALYSIS REQUEST

All rush work requires lab approval before sample submission

SUBMISSION #: L2573145

ENTERED BY: PStastny

DATE/TIME ENTERED: 5-APR-21

BIN #:

SAMPLING INFORMATION

Sample Date/Time: Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID# (e.g. 060000-XXXX or G0XXXXXX SVI)	Regulator Serial # CS1200-XXXX or GXX	Matrix Type	SAMPLE DESCRIPTION TO APPEAR ON REPORT	TUBE AIR VOLUME - ☐ L ☐ or m³	TSP	Metals	PM10	PM2.5	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME (HRS)	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	LAB ID
05-03-21	17:00	472-0444	n/a	AA	SP1 - TSP - 040321	7.32	X	X							-1
~~05-03-21~~	~~17:00~~	~~472-0438~~	~~n/a~~	~~AA~~	~~SP1 - PM25 - 040321~~					X					
11-03-21	17:00	472-0434	n/a	AA	SP1 - TSP - 110321	7.47	X	X							-2
11-03-21	17:00	472-0439	n/a	AA	SP1 - PM25 - 110321	6.83				X					-3
05-03-21	17:00	472-0438	n/a	AA	SP1 - PM25 - 040321	7.15				X					-4
17-03-21	17:00	472-0445	n/a	AA	SP1 - TSP - 170321	7.20	X	X							-5
17-03-21	17:00	472-0446	n/a	AA	SP1 - PM25 - 170321	7.67				X					-6
23-03-21	17:00	472-0440	n/a	AA	SP1 - TSP - 230321	7.19	X	X							-7
23-03-21	17:00	472-0447	n/a	AA	SP1 - PM25 - 230321	7.05				X					-8

SPECIAL INSTRUCTIONS/COMMENTS

This Chain of Custody Form is only to be used for Air Quality Samples

Matrix Type: Soil Gas Vapour = SG; Indoor Air = IA; Ambient Air = AA; Industrial Hygiene = IH

SAMPLE CONDITION AS RECEIVED

FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT ☐ — MEAN TEMP

SAMPLED BY: James Duivenvoorden	DATE & TIME 2a	RECEIVED BY: PStastny	DATE & TIME 5-APR-21	OBSERVATIONS Yes ☐ No ☐ If yes add SIF — INIT
RELINQUISHED BY: Shaun Groulx	DATE & TIME 03-25-21	RECEIVED AT LAB BY:	DATE & TIME	

Notes

1. Quote number must be provided to ensure proper pricing
2. TAT may vary dependent on complexity of analysis and lab workload at time of submission. Please contact the lab to confirm TATs.
3. Any known or suspected hazards relating to a sample must be noted on the chain of custody in comments section.

REV5-2014

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 11-MAY-21
Report Date: 16-JUL-21 14:45 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2586068

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586068-1 SP1 TSP 040421 Sampled By: CLIENT on 04-APR-21 @ 12:00 Matrix: AA									
Field Tests									
Air volume	7.21 m3	Air Conc.						12-MAY-21	R5521872
Air volume	7.21 m3	Air Conc.						11-MAY-21	R5520882
Particulates									
Total particulate			11.7		2.1	ug/m3		10-JUN-21	R5520899
Total particulate			84		15	ug		10-JUN-21	R5520899
Total Metals									
Aluminum (Al)			<1.2		1.2	ug/m3	13-JUL-21	14-JUL-21	R5522297
Aluminum (Al)			<9.0		9.0	ug	13-JUL-21	14-JUL-21	R5522297
Antimony (Sb)			<0.035		0.035	ug/m3	13-JUL-21	14-JUL-21	R5522297
Antimony (Sb)			<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)			<0.42		0.42	ug/m3	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)			<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)			<0.069		0.069	ug/m3	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)			<0.50		0.50	ug	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)			<0.0069		0.0069	ug/m3	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)			<0.050		0.050	ug	13-JUL-21	14-JUL-21	R5522297
Bismuth (Bi)			<0.25		0.25	ug/m3	13-JUL-21	14-JUL-21	R5522297
Bismuth (Bi)			<1.8		1.8	ug	13-JUL-21	14-JUL-21	R5522297
Boron (B)			<2.1		2.1	ug/m3	13-JUL-21	14-JUL-21	R5522297
Boron (B)			<15		15	ug	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)			<0.0037		0.0037	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)			<0.027		0.027	ug	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)			<0.47		0.47	ug/m3	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)			<3.4		3.4	ug	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)			<0.0042		0.0042	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)			<0.030		0.030	ug	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)			<0.14		0.14	ug/m3	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)			<1.0		1.0	ug	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)			<1.7		1.7	ug/m3	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)			<12		12	ug	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)			<0.017		0.017	ug/m3	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)			<0.12		0.12	ug	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)			<8.3		8.3	ug/m3	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)			<60		60	ug	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)			<0.062		0.062	ug/m3	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)			<0.45		0.45	ug	13-JUL-21	14-JUL-21	R5522297
Molybdenum (Mo)			<0.050		0.050	ug/m3	13-JUL-21	14-JUL-21	R5522297
Molybdenum (Mo)			<0.36		0.36	ug	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)			<0.035		0.035	ug/m3	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)			<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)			<100		100	ug/m3	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)			<750		750	ug	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)			<0.18		0.18	ug/m3	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)			<1.3		1.3	ug	13-JUL-21	14-JUL-21	R5522297

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586068-1 SP1 TSP 040421 Sampled By: CLIENT on 04-APR-21 @ 12:00 Matrix: AA							
Total Metals							
Silver (Ag)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Silver (Ag)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<0.42		0.42	ug/m3	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.083		0.083	ug/m3	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.60		0.60	ug	13-JUL-21	14-JUL-21	R5522297
Titanium (Ti)	<1.5		1.5	ug/m3	13-JUL-21	14-JUL-21	R5522297
Titanium (Ti)	<11		11	ug	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.00083		0.00083	ug/m3	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.0060		0.0060	ug	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<0.69		0.69	ug/m3	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<5.0		5.0	ug	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<0.62		0.62	ug/m3	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<4.5		4.5	ug	13-JUL-21	14-JUL-21	R5522297
L2586068-2 SP1 PM2.5 040421 Sampled By: CLIENT on 04-APR-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.19 m3 Air Conc.						11-MAY-21	R5520882
Particulates							
Total particulate	<2.1		2.1	ug/m3		10-JUN-21	R5520899
Total particulate	<15		15	ug		10-JUN-21	R5520899
L2586068-5 SP1 TSP 160421 Sampled By: CLIENT on 16-APR-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.27 m3 Air Conc.						12-MAY-21	R5521872
Air volume 7.27 m3 Air Conc.						11-MAY-21	R5520882
Particulates							
Total particulate	4.4		2.1	ug/m3		10-JUN-21	R5520899
Total particulate	32		15	ug		10-JUN-21	R5520899
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	13-JUL-21	14-JUL-21	R5522297
Aluminum (Al)	<9.0		9.0	ug	13-JUL-21	14-JUL-21	R5522297
Antimony (Sb)	<0.034		0.034	ug/m3	13-JUL-21	14-JUL-21	R5522297
Antimony (Sb)	<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)	<0.41		0.41	ug/m3	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)	<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)	<0.069		0.069	ug/m3	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)	<0.50		0.50	ug	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)	<0.0069		0.0069	ug/m3	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)	<0.050		0.050	ug	13-JUL-21	14-JUL-21	R5522297

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586068-5 SP1 TSP 160421 Sampled By: CLIENT on 16-APR-21 @ 12:00 Matrix: AA							
Total Metals							
Bismuth (Bi)	<0.25		0.25	ug/m3	13-JUL-21	14-JUL-21	R5522297
Bismuth (Bi)	<1.8		1.8	ug	13-JUL-21	14-JUL-21	R5522297
Boron (B)	<2.1		2.1	ug/m3	13-JUL-21	14-JUL-21	R5522297
Boron (B)	<15		15	ug	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)	<0.0037		0.0037	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)	<0.027		0.027	ug	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)	<0.47		0.47	ug/m3	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)	<3.4		3.4	ug	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)	<0.0041		0.0041	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)	<0.030		0.030	ug	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)	<0.14		0.14	ug/m3	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)	<1.0		1.0	ug	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)	<1.7		1.7	ug/m3	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)	<12		12	ug	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)	<0.017		0.017	ug/m3	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)	<0.12		0.12	ug	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)	<8.3		8.3	ug/m3	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)	<60		60	ug	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)	<0.062		0.062	ug/m3	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)	<0.45		0.45	ug	13-JUL-21	14-JUL-21	R5522297
Molybdenum (Mo)	<0.050		0.050	ug/m3	13-JUL-21	14-JUL-21	R5522297
Molybdenum (Mo)	<0.36		0.36	ug	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)	<0.034		0.034	ug/m3	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)	<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)	<100		100	ug/m3	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)	<750		750	ug	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)	<0.18		0.18	ug/m3	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)	<1.3		1.3	ug	13-JUL-21	14-JUL-21	R5522297
Silver (Ag)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Silver (Ag)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<0.41		0.41	ug/m3	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.083		0.083	ug/m3	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.60		0.60	ug	13-JUL-21	14-JUL-21	R5522297
Titanium (Ti)	<1.5		1.5	ug/m3	13-JUL-21	14-JUL-21	R5522297
Titanium (Ti)	<11		11	ug	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.00083		0.00083	ug/m3	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.0060		0.0060	ug	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<0.69		0.69	ug/m3	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<5.0		5.0	ug	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<0.62		0.62	ug/m3	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<4.5		4.5	ug	13-JUL-21	14-JUL-21	R5522297
L2586068-6 SP1 PM2.5 160421							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586068-6	SP1 PM2.5 160421								
Sampled By:	CLIENT on 16-APR-21 @ 12:00								
Matrix:	AA								
Field Tests									
Air volume	7.25 m3	Air Conc.						11-MAY-21	R5520882
Particulates									
Total particulate			<2.1		2.1	ug/m3		10-JUN-21	R5520899
Total particulate			<15		15	ug		10-JUN-21	R5520899
L2586068-7	SP1 TSP 220421								
Sampled By:	CLIENT on 22-APR-21 @ 12:00								
Matrix:	AA								
Field Tests									
Air volume	7.35 m3	Air Conc.						12-MAY-21	R5521872
Air volume	7.35 m3	Air Conc.						11-MAY-21	R5520882
Particulates									
Total particulate			2.6		2.0	ug/m3		10-JUN-21	R5520899
Total particulate			19		15	ug		10-JUN-21	R5520899
Total Metals									
Aluminum (Al)			<1.2		1.2	ug/m3	13-JUL-21	14-JUL-21	R5522297
Aluminum (Al)			<9.0		9.0	ug	13-JUL-21	14-JUL-21	R5522297
Antimony (Sb)			<0.034		0.034	ug/m3	13-JUL-21	14-JUL-21	R5522297
Antimony (Sb)			<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)			<0.41		0.41	ug/m3	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)			<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)			<0.068		0.068	ug/m3	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)			<0.50		0.50	ug	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)			<0.0068		0.0068	ug/m3	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)			<0.050		0.050	ug	13-JUL-21	14-JUL-21	R5522297
Bismuth (Bi)			<0.24		0.24	ug/m3	13-JUL-21	14-JUL-21	R5522297
Bismuth (Bi)			<1.8		1.8	ug	13-JUL-21	14-JUL-21	R5522297
Boron (B)			<2.0		2.0	ug/m3	13-JUL-21	14-JUL-21	R5522297
Boron (B)			<15		15	ug	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)			<0.0037		0.0037	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)			<0.027		0.027	ug	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)			<0.46		0.46	ug/m3	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)			<3.4		3.4	ug	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)			<0.0041		0.0041	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)			<0.030		0.030	ug	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)			<0.14		0.14	ug/m3	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)			<1.0		1.0	ug	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)			<1.6		1.6	ug/m3	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)			<12		12	ug	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)			<0.016		0.016	ug/m3	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)			<0.12		0.12	ug	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)			<8.2		8.2	ug/m3	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)			<60		60	ug	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)			<0.061		0.061	ug/m3	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)			<0.45		0.45	ug	13-JUL-21	14-JUL-21	R5522297

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586068-7 SP1 TSP 220421 Sampled By: CLIENT on 22-APR-21 @ 12:00 Matrix: AA							
Total Metals							
Molybdenum (Mo)	<0.049		0.049	ug/m3	13-JUL-21	14-JUL-21	R5522297
Molybdenum (Mo)	<0.36		0.36	ug	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)	<0.034		0.034	ug/m3	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)	<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)	<100		100	ug/m3	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)	<750		750	ug	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)	<0.18		0.18	ug/m3	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)	<1.3		1.3	ug	13-JUL-21	14-JUL-21	R5522297
Silver (Ag)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Silver (Ag)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<0.41		0.41	ug/m3	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.082		0.082	ug/m3	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.60		0.60	ug	13-JUL-21	14-JUL-21	R5522297
Titanium (Ti)	<1.5		1.5	ug/m3	13-JUL-21	14-JUL-21	R5522297
Titanium (Ti)	<11		11	ug	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.00082		0.00082	ug/m3	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.0060		0.0060	ug	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<0.68		0.68	ug/m3	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<5.0		5.0	ug	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<0.61		0.61	ug/m3	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<4.5		4.5	ug	13-JUL-21	14-JUL-21	R5522297
L2586068-8 SP1 PM2.5 220421 Sampled By: CLIENT on 22-APR-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.48 m3 Air Conc.						11-MAY-21	R5520882
Particulates							
Total particulate	2.3		2.0	ug/m3		10-JUN-21	R5520899
Total particulate	17		15	ug		10-JUN-21	R5520899
L2586068-9 SP1 TSP 280421 Sampled By: CLIENT on 28-APR-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.43 m3 Air Conc.						12-MAY-21	R5521872
Air volume 7.43 m3 Air Conc.						11-MAY-21	R5520882
Particulates							
Total particulate	5.0		2.0	ug/m3		10-JUN-21	R5520899
Total particulate	37		15	ug		10-JUN-21	R5520899
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	13-JUL-21	14-JUL-21	R5522297
Aluminum (Al)	<9.0		9.0	ug	13-JUL-21	14-JUL-21	R5522297

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586068-9 SP1 TSP 280421 Sampled By: CLIENT on 28-APR-21 @ 12:00 Matrix: AA							
Total Metals							
Antimony (Sb)	<0.034		0.034	ug/m3	13-JUL-21	14-JUL-21	R5522297
Antimony (Sb)	<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)	<0.40		0.40	ug/m3	13-JUL-21	14-JUL-21	R5522297
Arsenic (As)	<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)	<0.067		0.067	ug/m3	13-JUL-21	14-JUL-21	R5522297
Barium (Ba)	<0.50		0.50	ug	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)	<0.0067		0.0067	ug/m3	13-JUL-21	14-JUL-21	R5522297
Beryllium (Be)	<0.050		0.050	ug	13-JUL-21	14-JUL-21	R5522297
Bismuth (Bi)	<0.24		0.24	ug/m3	13-JUL-21	14-JUL-21	R5522297
Bismuth (Bi)	<1.8		1.8	ug	13-JUL-21	14-JUL-21	R5522297
Boron (B)	<2.0		2.0	ug/m3	13-JUL-21	14-JUL-21	R5522297
Boron (B)	<15		15	ug	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)	<0.0036		0.0036	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cadmium (Cd)	<0.027		0.027	ug	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)	<0.46		0.46	ug/m3	13-JUL-21	14-JUL-21	R5522297
Chromium (Cr)	<3.4		3.4	ug	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)	<0.0040		0.0040	ug/m3	13-JUL-21	14-JUL-21	R5522297
Cobalt (Co)	<0.030		0.030	ug	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)	<0.13		0.13	ug/m3	13-JUL-21	14-JUL-21	R5522297
Copper (Cu)	<1.0		1.0	ug	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)	<1.6		1.6	ug/m3	13-JUL-21	14-JUL-21	R5522297
Iron (Fe)	<12		12	ug	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)	<0.016		0.016	ug/m3	13-JUL-21	14-JUL-21	R5522297
Lead (Pb)	<0.12		0.12	ug	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)	<8.1		8.1	ug/m3	13-JUL-21	14-JUL-21	R5522297
Magnesium (Mg)	<60		60	ug	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)	<0.061		0.061	ug/m3	13-JUL-21	14-JUL-21	R5522297
Manganese (Mn)	<0.45		0.45	ug	13-JUL-21	14-JUL-21	R5522297
Molybdenum (Mo)	<0.048		0.048	ug/m3	13-JUL-21	14-JUL-21	R5522297
Molybdenum (Mo)	<0.36		0.36	ug	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)	<0.034		0.034	ug/m3	13-JUL-21	14-JUL-21	R5522297
Nickel (Ni)	<0.25		0.25	ug	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)	<100		100	ug/m3	13-JUL-21	14-JUL-21	R5522297
Phosphorus (P)	<750		750	ug	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)	<0.17		0.17	ug/m3	13-JUL-21	14-JUL-21	R5522297
Selenium (Se)	<1.3		1.3	ug	13-JUL-21	14-JUL-21	R5522297
Silver (Ag)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Silver (Ag)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<0.40		0.40	ug/m3	13-JUL-21	14-JUL-21	R5522297
Strontium (Sr)	<3.0		3.0	ug	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.012		0.012	ug/m3	13-JUL-21	14-JUL-21	R5522297
Thallium (Tl)	<0.090		0.090	ug	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.081		0.081	ug/m3	13-JUL-21	14-JUL-21	R5522297
Tin (Sn)	<0.60		0.60	ug	13-JUL-21	14-JUL-21	R5522297

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2586068-9 SP1 TSP 280421 Sampled By: CLIENT on 28-APR-21 @ 12:00 Matrix: AA							
Total Metals							
Titanium (Ti)	<1.5		1.5	ug/m3	13-JUL-21	14-JUL-21	R5522297
Titanium (Ti)	<11		11	ug	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.00081		0.00081	ug/m3	13-JUL-21	14-JUL-21	R5522297
Uranium (U)	<0.0060		0.0060	ug	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<0.67		0.67	ug/m3	13-JUL-21	14-JUL-21	R5522297
Vanadium (V)	<5.0		5.0	ug	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<0.61		0.61	ug/m3	13-JUL-21	14-JUL-21	R5522297
Zinc (Zn)	<4.5		4.5	ug	13-JUL-21	14-JUL-21	R5522297
L2586068-10 SP1 PM2.5 280421 Sampled By: CLIENT on 28-APR-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.56 m3 Air Conc.						11-MAY-21	R5520882
Particulates							
Total particulate	<2.0		2.0	ug/m3		10-JUN-21	R5520899
Total particulate	<15		15	ug		10-JUN-21	R5520899

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Method Blank	Aluminum (Al)	A	L2586068-1, -5, -7, -9
Comments:	Al observed in the method blank at a level significantly above its LOR. Most sample data is well below this threshold, so background contamination is not expected. This is likely due to spurious lab contamination. PE 16-Jul-21		
Duplicate	Nickel (Ni)	J,G	L2586068-1, -5, -7, -9
Comments:	Ni RPD is outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of this analyte across the sampled filter surface. Data may show higher-than-normal variability. PE 16-Jul-21		
Matrix Spike	Aluminum (Al)	MS-B	L2586068-1, -5, -7, -9
Matrix Spike	Iron (Fe)	MS-B	L2586068-1, -5, -7, -9
Matrix Spike	Magnesium (Mg)	MS-B	L2586068-1, -5, -7, -9

Sample Parameter Qualifier key listed:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shelley Frost

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5522297								
WG3575906-2 LCS								
Silver (Ag)			93.8		%		70-130	14-JUL-21
Aluminum (Al)			86.0		%		70-130	14-JUL-21
Arsenic (As)			91.6		%		80-120	14-JUL-21
Barium (Ba)			97.3		%		70-130	14-JUL-21
Beryllium (Be)			97.8		%		70-130	14-JUL-21
Cadmium (Cd)			100.6		%		80-120	14-JUL-21
Cobalt (Co)			97.5		%		80-120	14-JUL-21
Chromium (Cr)			93.0		%		80-120	14-JUL-21
Copper (Cu)			96.8		%		80-120	14-JUL-21
Iron (Fe)			95.2		%		80-120	14-JUL-21
Magnesium (Mg)			93.8		%		70-130	14-JUL-21
Manganese (Mn)			93.5		%		80-120	14-JUL-21
Molybdenum (Mo)			91.2		%		70-130	14-JUL-21
Nickel (Ni)			93.9		%		80-120	14-JUL-21
Lead (Pb)			95.6		%		80-120	14-JUL-21
Antimony (Sb)			89.0		%		80-120	14-JUL-21
Selenium (Se)			95.7		%		80-120	14-JUL-21
Thallium (Tl)			93.5		%		70-130	14-JUL-21
Uranium (U)			95.5		%		70-130	14-JUL-21
Vanadium (V)			93.0		%		80-120	14-JUL-21
Zinc (Zn)			94.5		%		80-120	14-JUL-21
Bismuth (Bi)			94.3		%		70-130	14-JUL-21
Boron (B)			96.3		%		70-130	14-JUL-21
Phosphorus (P)			94.0		%		70-130	14-JUL-21
Strontium (Sr)			90.7		%		70-130	14-JUL-21
Tin (Sn)			97.8		%		70-130	14-JUL-21
Titanium (Ti)			88.9		%		70-130	14-JUL-21
Zirconium (Zr)			86.6		%		70-130	14-JUL-21
WG3575906-1 MB								
Silver (Ag)			<0.090		ug		0.09	14-JUL-21
Aluminum (Al)			26.2	A	ug		9	14-JUL-21
Arsenic (As)			<3.0		ug		3	14-JUL-21
Barium (Ba)			<0.50		ug		0.5	14-JUL-21
Beryllium (Be)			<0.050		ug		0.05	14-JUL-21

COMMENTS: Al observed in the method blank at a level significantly above its LOR. Most sample data is well below this threshold, so background

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5522297								
WG3575906-1 MB								
Cadmium (Cd)			<0.027		ug		0.027	14-JUL-21
Cobalt (Co)			<0.030		ug		0.03	14-JUL-21
Chromium (Cr)			<3.4		ug		3.4	14-JUL-21
Copper (Cu)			<1.0		ug		1	14-JUL-21
Iron (Fe)			<12		ug		12	14-JUL-21
Magnesium (Mg)			<60		ug		60	14-JUL-21
Manganese (Mn)			<0.45		ug		0.45	14-JUL-21
Molybdenum (Mo)			<0.36		ug		0.36	14-JUL-21
Nickel (Ni)			<0.25		ug		0.25	14-JUL-21
Lead (Pb)			<0.12		ug		0.12	14-JUL-21
Antimony (Sb)			<0.25		ug		0.25	14-JUL-21
Selenium (Se)			<1.3		ug		1.25	14-JUL-21
Thallium (Tl)			<0.090		ug		0.09	14-JUL-21
Uranium (U)			<0.0060		ug		0.006	14-JUL-21
Vanadium (V)			<5.0		ug		10	14-JUL-21
Zinc (Zn)			<4.5		ug		4.5	14-JUL-21
Bismuth (Bi)			<1.8		ug		1.8	14-JUL-21
Boron (B)			<15		ug		15	14-JUL-21
Phosphorus (P)			<750		ug		750	14-JUL-21
Strontium (Sr)			<3.0		ug		3	14-JUL-21
Tin (Sn)			<0.60		ug		0.6	14-JUL-21
Titanium (Ti)			<11		ug		10.5	14-JUL-21
Zirconium (Zr)			<2.0		ug		2	14-JUL-21

COMMENTS: Al observed in the method blank at a level significantly above its LOR. Most sample data is well below this threshold, so background contamination is not expected. This is likely due to spurious lab contamination. PE 16-Jul-21

PART-M212 F-GRAV-BU	**Filter**							
Batch R5520899								
WG3575419-2 DUP		**L2586068-1**						
Total particulate		84	76	J	ug	8	30	10-JUN-21
WG3575419-1 MB								
Total particulate			<15		ug		15	10-JUN-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

L2586068-COFC

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

Page _____ of _____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service
Priority Service
Emergency Service
Date Required:

ALS WORK ORDER NUMBER: (Lab Use Only) L2586068

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE		METHOD REQUIREMENT	
PROJECT MANAGER	Shelley Frost		
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q61058	PO #	Email Fax
Email 1	[redacted]	Email: ryan.fiebherr@woodplc.com	PDF EDD

ANALYSIS REQUEST — TSP, Metals, PM10, PM2.5

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Diameter or Tube ID#	Regulator Serial #	Matrix Type	# of Containers	TSP	Metals	PM10	PM2.5	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
BP1 TSP 04(4)81	4-Apr	18:00			AA	7.21	X	X				
BP1 PM2.5 040481	4-Apr	18:00			AA	7.19			X			
BP1 TSP 100481	10-Apr	18:00			AA	7.33	X	X				
BP1 PM2.5 100481	10-Apr	18:00			AA	7.31			X			
BP1 TSP 160481	16-Apr	18:00	5209		AA	7.37	X	X				
BP1 PM2.5 160481	16-Apr	18:00	5477		AA	7.28			X			
BP1 TSP 220401	22-Apr	18:00	4784		AA	7.35	X	X				
BP1 PM2.5 220481	22-Apr	18:00	5209		AA	7.45			X			

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

FROZEN
COLD
COOLING INITIATED
AMBIENT

SAMPLED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
RELINQUISHED BY:	DATE & TIME:	RECEIVED AT LAB BY:	DATE & TIME:

SIF OBSERVATIONS: Yes No

CUSTODY SEAL INTACT: Yes No



AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

Page _____ of _____

www.alsglobal.com

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. Please check the service level and specify the date required for all submissions.

Regular Service
Priority Service
Emergency Service
Date Required:

ALS WORK ORDER NUMBER: (Lab Use Only) L2586068

ENTERED BY: (Lab Use Only)

ROPM (Lab Use Only)

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE		INVOICE REQUIREMENT	
PROJECT MANAGER	Shelley Frost		
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	C61056	PO #	Email Fax
EMAIL 1	sfrost@firstmininggold.com	EMAIL 2 ryan.fletcher@woodplc.com	PDF EDD

ANALYSIS REQUEST

TSP Metals PM10/PM2.5

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	Rx. 1										Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1 TSP 89481	05-Apr	1810	6529		AA	7.48	X	X									
SP1 PM2.5 89481	05-Apr	1820	6529		AA	7.58			X								
					AA												
					AA												
					AA												
					AA												
					AA												
					AA												
					AA												
					AA												

SPECIAL INSTRUCTIONS/COMMENTS (client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

FROZEN
COLD
COOLING INITIATED
AMBIENT

CONTAINER

RELEASED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME	SIF OBSERVATIONS Yes No	NOTES
RELEASED BY:	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME: 5/11/21 1100	CUSTODY SEAL INTACT: Yes No	

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 22-JUN-21
Report Date: 27-JUL-21 14:21 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2604738

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2604738-5 SP1 TSP 290521 Sampled By: CLIENT on 29-MAY-21 @ 12:00 Matrix: FILTER									
Field Tests									
Air volume	7.43 m3	Air Conc.						14-JUL-21	R5525454
Particulates									
Total particulate			7.9		2.0	ug/m3		15-JUL-21	R5525478
Total particulate			59		15	ug		15-JUL-21	R5525478
Total Metals									
Aluminum (Al)			<1.2		1.2	ug/m3	21-JUL-21	22-JUL-21	R5527347
Aluminum (Al)			<9.0		9.0	ug	21-JUL-21	22-JUL-21	R5527347
Antimony (Sb)			<0.034		0.034	ug/m3	21-JUL-21	22-JUL-21	R5527347
Antimony (Sb)			<0.25		0.25	ug	21-JUL-21	22-JUL-21	R5527347
Arsenic (As)			<0.40		0.40	ug/m3	21-JUL-21	22-JUL-21	R5527347
Arsenic (As)			<3.0		3.0	ug	21-JUL-21	22-JUL-21	R5527347
Barium (Ba)			<0.067		0.067	ug/m3	21-JUL-21	22-JUL-21	R5527347
Barium (Ba)			<0.50		0.50	ug	21-JUL-21	22-JUL-21	R5527347
Beryllium (Be)			<0.0067		0.0067	ug/m3	21-JUL-21	22-JUL-21	R5527347
Beryllium (Be)			<0.050		0.050	ug	21-JUL-21	22-JUL-21	R5527347
Bismuth (Bi)			<0.24		0.24	ug/m3	21-JUL-21	22-JUL-21	R5527347
Bismuth (Bi)			<1.8		1.8	ug	21-JUL-21	22-JUL-21	R5527347
Boron (B)			<2.0		2.0	ug/m3	21-JUL-21	22-JUL-21	R5527347
Boron (B)			<15		15	ug	21-JUL-21	22-JUL-21	R5527347
Cadmium (Cd)			<0.0036		0.0036	ug/m3	21-JUL-21	22-JUL-21	R5527347
Cadmium (Cd)			<0.027		0.027	ug	21-JUL-21	22-JUL-21	R5527347
Chromium (Cr)			<0.46		0.46	ug/m3	21-JUL-21	22-JUL-21	R5527347
Chromium (Cr)			<3.4		3.4	ug	21-JUL-21	22-JUL-21	R5527347
Cobalt (Co)			<0.0040		0.0040	ug/m3	21-JUL-21	22-JUL-21	R5527347
Cobalt (Co)			<0.030		0.030	ug	21-JUL-21	22-JUL-21	R5527347
Copper (Cu)			<0.13		0.13	ug/m3	21-JUL-21	22-JUL-21	R5527347
Copper (Cu)			<1.0		1.0	ug	21-JUL-21	22-JUL-21	R5527347
Iron (Fe)			<1.6		1.6	ug/m3	21-JUL-21	22-JUL-21	R5527347
Iron (Fe)			<12		12	ug	21-JUL-21	22-JUL-21	R5527347
Lead (Pb)			<0.016		0.016	ug/m3	21-JUL-21	22-JUL-21	R5527347
Lead (Pb)			<0.12		0.12	ug	21-JUL-21	22-JUL-21	R5527347
Magnesium (Mg)			<8.1		8.1	ug/m3	21-JUL-21	22-JUL-21	R5527347
Magnesium (Mg)			<60		60	ug	21-JUL-21	22-JUL-21	R5527347
Manganese (Mn)			<0.061		0.061	ug/m3	21-JUL-21	22-JUL-21	R5527347
Manganese (Mn)			<0.45		0.45	ug	21-JUL-21	22-JUL-21	R5527347
Molybdenum (Mo)			<0.048		0.048	ug/m3	21-JUL-21	22-JUL-21	R5527347
Molybdenum (Mo)			<0.36		0.36	ug	21-JUL-21	22-JUL-21	R5527347
Nickel (Ni)			<0.034		0.034	ug/m3	21-JUL-21	22-JUL-21	R5527347
Nickel (Ni)			<0.25		0.25	ug	21-JUL-21	22-JUL-21	R5527347
Phosphorus (P)			<100		100	ug/m3	21-JUL-21	22-JUL-21	R5527347
Phosphorus (P)			<750		750	ug	21-JUL-21	22-JUL-21	R5527347
Selenium (Se)			<0.17		0.17	ug/m3	21-JUL-21	22-JUL-21	R5527347
Selenium (Se)			<1.3		1.3	ug	21-JUL-21	22-JUL-21	R5527347
Silver (Ag)			<0.012		0.012	ug/m3	21-JUL-21	22-JUL-21	R5527347
Silver (Ag)			<0.090		0.090	ug	21-JUL-21	22-JUL-21	R5527347

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2604738-5 SP1 TSP 290521 Sampled By: CLIENT on 29-MAY-21 @ 12:00 Matrix: FILTER							
Total Metals							
Strontium (Sr)	<0.40		0.40	ug/m3	21-JUL-21	22-JUL-21	R5527347
Strontium (Sr)	<3.0		3.0	ug	21-JUL-21	22-JUL-21	R5527347
Thallium (Tl)	<0.012		0.012	ug/m3	21-JUL-21	22-JUL-21	R5527347
Thallium (Tl)	<0.090		0.090	ug	21-JUL-21	22-JUL-21	R5527347
Tin (Sn)	<0.081		0.081	ug/m3	21-JUL-21	22-JUL-21	R5527347
Tin (Sn)	<0.60		0.60	ug	21-JUL-21	22-JUL-21	R5527347
Titanium (Ti)	<1.5		1.5	ug/m3	21-JUL-21	22-JUL-21	R5527347
Titanium (Ti)	<11		11	ug	21-JUL-21	22-JUL-21	R5527347
Uranium (U)	<0.00081		0.00081	ug/m3	21-JUL-21	22-JUL-21	R5527347
Uranium (U)	<0.0060		0.0060	ug	21-JUL-21	22-JUL-21	R5527347
Vanadium (V)	<0.67		0.67	ug/m3	21-JUL-21	22-JUL-21	R5527347
Vanadium (V)	<5.0		5.0	ug	21-JUL-21	22-JUL-21	R5527347
Zinc (Zn)	<0.61		0.61	ug/m3	21-JUL-21	22-JUL-21	R5527347
Zinc (Zn)	<4.5		4.5	ug	21-JUL-21	22-JUL-21	R5527347
L2604738-6 SP1 PM2.5 290521 Sampled By: CLIENT on 29-MAY-21 @ 12:00 Matrix: FILTER							
Field Tests							
Air volume 7.34 m3 Air Conc.						14-JUL-21	R5525454
Particulates							
Total particulate	<2.0		2.0	ug/m3		15-JUL-21	R5525478
Total particulate	<15		15	ug		15-JUL-21	R5525478
L2604738-7 SP1 PM10 290521 Sampled By: CLIENT on 29-MAY-21 @ 12:00 Matrix: FILTER							
Field Tests							
Air volume 7.29 m3 Air Conc.						14-JUL-21	R5525454
Particulates							
Total particulate	5.1		2.1	ug/m3		15-JUL-21	R5525478
Total particulate	37		15	ug		15-JUL-21	R5525478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Method Blank	Aluminum (Al)	A	L2604738-5
Comments:	Al and Sr observed in the MB at levels significantly above their LORs. Data for these analytes are likely to be biased high as a result of these background contributions. PE 26-Jul-21		
Method Blank	Strontium (Sr)	A	L2604738-5
Comments:	Al and Sr observed in the MB at levels significantly above their LORs. Data for these analytes are likely to be biased high as a result of these background contributions. PE 26-Jul-21		
Matrix Spike	Zirconium (Zr)	G	L2604738-5
Comments:	MS recoveries for Zr are outside ALS DQOs. This is likely due to a matrix interference, which is causing an overall low bias for this analyte. Sample data may be similarly biased. PE 26-Jul-21		
Duplicate	Nickel (Ni)	J,G	L2604738-5
Comments:	Ni RPD is outside ALS DQOs. This is likely due to an inhomogeneous dispersion of the target analyte across the sampled filter surface. Data may show higher-than-normal variability. PE 26-Jul-21		
Matrix Spike	Aluminum (Al)	MS-B	L2604738-5
Comments:	MS recoveries for Zr are outside ALS DQOs. This is likely due to a matrix interference, which is causing an overall low bias for this analyte. Sample data may be similarly biased. PE 26-Jul-21		
Matrix Spike	Copper (Cu)	MS-B	L2604738-5
Comments:	MS recoveries for Zr are outside ALS DQOs. This is likely due to a matrix interference, which is causing an overall low bias for this analyte. Sample data may be similarly biased. PE 26-Jul-21		
Matrix Spike	Iron (Fe)	MS-B	L2604738-5
Comments:	MS recoveries for Zr are outside ALS DQOs. This is likely due to a matrix interference, which is causing an overall low bias for this analyte. Sample data may be similarly biased. PE 26-Jul-21		
Matrix Spike	Magnesium (Mg)	MS-B	L2604738-5
Comments:	MS recoveries for Zr are outside ALS DQOs. This is likely due to a matrix interference, which is causing an overall low bias for this analyte. Sample data may be similarly biased. PE 26-Jul-21		

Sample Parameter Qualifier key listed:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shelley Frost

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5527347								
WG3581395-2 LCS								
Silver (Ag)			86.8		%		70-130	22-JUL-21
Aluminum (Al)			104.0		%		70-130	22-JUL-21
Arsenic (As)			84.4		%		80-120	22-JUL-21
Barium (Ba)			88.3		%		70-130	22-JUL-21
Beryllium (Be)			88.5		%		70-130	22-JUL-21
Cadmium (Cd)			86.4		%		80-120	22-JUL-21
Cobalt (Co)			89.3		%		80-120	22-JUL-21
Chromium (Cr)			87.5		%		80-120	22-JUL-21
Copper (Cu)			90.2		%		80-120	22-JUL-21
Iron (Fe)			88.0		%		80-120	22-JUL-21
Magnesium (Mg)			89.4		%		70-130	22-JUL-21
Manganese (Mn)			85.0		%		80-120	22-JUL-21
Molybdenum (Mo)			83.8		%		70-130	22-JUL-21
Nickel (Ni)			86.6		%		80-120	22-JUL-21
Lead (Pb)			85.1		%		80-120	22-JUL-21
Antimony (Sb)			83.5		%		80-120	22-JUL-21
Selenium (Se)			89.4		%		80-120	22-JUL-21
Thallium (Tl)			86.2		%		70-130	22-JUL-21
Uranium (U)			88.8		%		70-130	22-JUL-21
Vanadium (V)			86.2		%		80-120	22-JUL-21
Zinc (Zn)			89.0		%		80-120	22-JUL-21
Bismuth (Bi)			84.6		%		70-130	22-JUL-21
Boron (B)			84.2		%		70-130	22-JUL-21
Phosphorus (P)			87.6		%		70-130	22-JUL-21
Strontium (Sr)			87.7		%		70-130	22-JUL-21
Tin (Sn)			83.4		%		70-130	22-JUL-21
Titanium (Ti)			83.3		%		70-130	22-JUL-21
Zirconium (Zr)			80.3		%		70-130	22-JUL-21
WG3581395-1 MB								
Silver (Ag)			<0.090		ug		0.09	22-JUL-21
Aluminum (Al)			52.2	A	ug		9	22-JUL-21
Arsenic (As)			<3.0		ug		3	22-JUL-21
Barium (Ba)			<0.50		ug		0.5	22-JUL-21
Beryllium (Be)			<0.050		ug		0.05	22-JUL-21

COMMENTS: Al and Sr observed in the MB at levels significantly above their LORs. Data for these analytes are likely to be biased high as a result of

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5527347								
WG3581395-1 MB								
Cadmium (Cd)			<0.027		ug		0.027	22-JUL-21
Cobalt (Co)			<0.030		ug		0.03	22-JUL-21
Chromium (Cr)			<3.4		ug		3.4	22-JUL-21
Copper (Cu)			<1.0		ug		1	22-JUL-21
Iron (Fe)			<12		ug		12	22-JUL-21
Magnesium (Mg)			<60		ug		60	22-JUL-21
Manganese (Mn)			<0.45		ug		0.45	22-JUL-21
Molybdenum (Mo)			<0.36		ug		0.36	22-JUL-21
Nickel (Ni)			<0.25		ug		0.25	22-JUL-21
Lead (Pb)			<0.12		ug		0.12	22-JUL-21
Antimony (Sb)			<0.25		ug		0.25	22-JUL-21
Selenium (Se)			<1.3		ug		1.25	22-JUL-21
Thallium (Tl)			<0.090		ug		0.09	22-JUL-21
Uranium (U)			<0.0060		ug		0.006	22-JUL-21
Vanadium (V)			<5.0		ug		10	22-JUL-21
Zinc (Zn)			<4.5		ug		4.5	22-JUL-21
Bismuth (Bi)			<1.8		ug		1.8	22-JUL-21
Boron (B)			<15		ug		15	22-JUL-21
Phosphorus (P)			<750		ug		750	22-JUL-21
Strontium (Sr)			3.7	A	ug		3	22-JUL-21
Tin (Sn)			<0.60		ug		0.6	22-JUL-21
Titanium (Ti)			<11		ug		10.5	22-JUL-21
Zirconium (Zr)			<2.0		ug		2	22-JUL-21
COMMENTS: Al and Sr observed in the MB at levels significantly above their LORs. Data for these analytes are likely to be biased high as a result of these background contributions. PE 26-Jul-21								
PART-M212 F-GRAV-BU	**Filter**							
Batch R5525478								
WG3579262-2 DUP		**L2604738-5**						
Total particulate		59	50	J	ug	9	30	15-JUL-21
WG3579262-1 MB								
Total particulate			<15		ug		15	15-JUL-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

AIR QUALITY CHAIN OF CU

L2604738-COFC

COC #_____

Page 1 of 1

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

- Regular Service ☑
- Priority Service ☐
- Emergency Service ☐
- Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Shelley Frost	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ✓ Fax
Email 1:		Email 2: ryan.fletcher@woodplc.com	PDF ✓ EDD ✓

ALS WORK ORDER NUMBER: (Lab Use Only) L2604738

ENTERED BY: (Lab Use Only) P.S.

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-040121											X						-8
SP1-PM2.5-040121											X						-9
✓ SP1 TSP 100521	10-May	12:00	0553		AA	10.07					X						-1
✓ SP1 PM2.5 100521	10-May	12:00	0545		AA	12.02					X						-2
✓ SP1 TSP 160521	16-May	12:00	0374		AA	13.5					X						-3
✓ SP1 PM2.5 160521	16-May	12:00	0373		AA	13.13					X						-4
✓ SP1 TSP 290521	29-May	12:00	0418		AA	7.43	X	X									-5
✓ SP1 PM2.5 290521	29-May	12:00	0420		AA	7.34				X							-6
✓ SP1 PM10 290521	29-May	12:00	0419		AA	7.29			X								-7

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

two additional filters received:
SP1-TSP-040121, SP-PM25-040121

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

- ☐ FROZEN
- ☐ COLD
- ☑ COOLING INITIATED
- ☐ AMBIENT

MEAN TEMP: 14

SAMPLED BY: James Duivenvoorden	DATE & TIME	RECEIVED BY: PStastny	DATE & TIME: 22-June, 10:45
RELINQUISHED BY: James Duivenvoorden	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME

SIF OBSERVATIONS: Yes | No | — INITIALS

CUSTODY SEAL INTACT: Yes | No |

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 13-AUG-21
Report Date: 31-AUG-21 15:32 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2626675

Project P.O. #: 2021-ALS-0019
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-1 SP1-TSP-030621 Sampled By: CLIENT on 03-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.33 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	20.3		2.0	ug/m3		20-AUG-21	R5564055
Total particulate	149		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.068		0.068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0068		0.0068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.25		0.25	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.0		2.0	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0037		0.0037	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<0.46		0.46	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0041		0.0041	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.14		0.14	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.6		1.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.016		0.016	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<8.2		8.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.061		0.061	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.049		0.049	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<100		100	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.18		0.18	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-1 SP1-TSP-030621 Sampled By: CLIENT on 03-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Strontium (Sr)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.082		0.082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00082		0.00082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<0.68		0.68	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.61		0.61	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-2 SP1-PM10-030621 Sampled By: CLIENT on 03-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.26 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	13.9		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	101		15	ug		20-AUG-21	R5564055
L2626675-3 SP1-PM2.5-030621 Sampled By: CLIENT on 03-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.49 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	9.5		2.0	ug/m3		20-AUG-21	R5564055
Total particulate	71		15	ug		20-AUG-21	R5564055
L2626675-4 SP1-TSP-090621 Sampled By: CLIENT on 09-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.36 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	26.2		2.0	ug/m3		20-AUG-21	R5564055
Total particulate	193		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-4 SP1-TSP-090621 Sampled By: CLIENT on 09-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Barium (Ba)	<0.068		0.068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0068		0.0068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.24		0.24	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.0		2.0	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0037		0.0037	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<0.46		0.46	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0041		0.0041	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.14		0.14	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.6		1.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.016		0.016	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<8.2		8.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.061		0.061	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.049		0.049	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<100		100	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.18		0.18	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.082		0.082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00082		0.00082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-4 SP1-TSP-090621 Sampled By: CLIENT on 09-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Vanadium (V)	<0.68		0.68	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.61		0.61	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-5 SP1-PM10-090621 Sampled By: CLIENT on 09-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.21 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	20.4		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	147		15	ug		20-AUG-21	R5564055
L2626675-6 SP1-PM2.5-090621 Sampled By: CLIENT on 09-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 5.84 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	30.5		2.6	ug/m3		20-AUG-21	R5564055
Total particulate	178		15	ug		20-AUG-21	R5564055
L2626675-7 SP1-TSP-150621 Sampled By: CLIENT on 15-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 5.85 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	14.7		2.6	ug/m3		20-AUG-21	R5564055
Total particulate	86		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.043		0.043	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.51		0.51	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.085		0.085	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0085		0.0085	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.31		0.31	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.6		2.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0046		0.0046	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-7 SP1-TSP-150621 Sampled By: CLIENT on 15-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Chromium (Cr)	<0.58		0.58	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0051		0.0051	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.17		0.17	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<2.1		2.1	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.021		0.021	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<10		10	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.077		0.077	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.062		0.062	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.043		0.043	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<130		130	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.22		0.22	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.015		0.015	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<0.51		0.51	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.015		0.015	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.10		0.10	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.9		1.9	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0010		0.0010	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<0.85		0.85	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.77		0.77	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-8 SP1-PM10-150621 Sampled By: CLIENT on 15-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.25 m3 Air Conc.						13-AUG-21	R5561183
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-8 SP1-PM10-150621 Sampled By: CLIENT on 15-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Particulates							
Total particulate	9.1		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	66		15	ug		20-AUG-21	R5564055
L2626675-9 SP1-PM2.5-150621 Sampled By: CLIENT on 15-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.15 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	<2.1		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	<15		15	ug		20-AUG-21	R5564055
L2626675-10 SP1-TSP-210621 Sampled By: CLIENT on 21-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.47 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	12.4		2.0	ug/m3		20-AUG-21	R5564055
Total particulate	93		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.033		0.033	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.40		0.40	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.067		0.067	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0067		0.0067	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.24		0.24	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.0		2.0	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0036		0.0036	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<0.46		0.46	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0040		0.0040	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.13		0.13	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.6		1.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.016		0.016	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-10 SP1-TSP-210621 Sampled By: CLIENT on 21-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Magnesium (Mg)	<8.0		8.0	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.060		0.060	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.048		0.048	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.033		0.033	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<100		100	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.17		0.17	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<0.40		0.40	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.080		0.080	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00080		0.00080	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<0.67		0.67	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.60		0.60	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-11 SP1-PM10-210621 Sampled By: CLIENT on 21-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 4.8 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	16.7		3.1	ug/m3		20-AUG-21	R5564055
Total particulate	80		15	ug		20-AUG-21	R5564055
L2626675-12 SP1-PM2.5-210621 Sampled By: CLIENT on 21-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.12 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	11.1		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	79		15	ug		20-AUG-21	R5564055
L2626675-13 SP1-TSP-270621 CLIENT on 27-JUN-21 @ 12:00							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-13 SP1-TSP-270621 Sampled By: CLIENT on 27-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.23 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	24.1		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	174		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.035		0.035	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.069		0.069	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0069		0.0069	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.25		0.25	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.1		2.1	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0037		0.0037	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<0.47		0.47	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0041		0.0041	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.14		0.14	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.7		1.7	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.017		0.017	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<8.3		8.3	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.062		0.062	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.050		0.050	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.035		0.035	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<100		100	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.18		0.18	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-13 SP1-TSP-270621 Sampled By: CLIENT on 27-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Strontium (Sr)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.083		0.083	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00083		0.00083	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<0.69		0.69	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.62		0.62	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-14 SP1-PM10-270621 Sampled By: CLIENT on 27-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.31 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	24.4		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	178		15	ug		20-AUG-21	R5564055
L2626675-15 SP1-PM2.5-270621 Sampled By: CLIENT on 27-JUN-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.35 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	19.9		2.0	ug/m3		20-AUG-21	R5564055
Total particulate	146		15	ug		20-AUG-21	R5564055
L2626675-16 SP1-TSP-150721 Sampled By: CLIENT on 15-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.3 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	92.5		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	675		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-16 SP1-TSP-150721 Sampled By: CLIENT on 15-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Barium (Ba)	<0.068		0.068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0068		0.0068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.25		0.25	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.1		2.1	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0037		0.0037	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<0.47		0.47	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0041		0.0041	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.14		0.14	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.6		1.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.016		0.016	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<8.2		8.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.062		0.062	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.049		0.049	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<100		100	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.18		0.18	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.082		0.082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00082		0.00082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-16 SP1-TSP-150721 Sampled By: CLIENT on 15-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Vanadium (V)	<0.68		0.68	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.62		0.62	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-17 SP1-PM10-150721 Sampled By: CLIENT on 15-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.23 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	91.3		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	660		15	ug		20-AUG-21	R5564055
L2626675-18 SP1-PM2.5-150721 Sampled By: CLIENT on 15-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.28 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	82.7		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	602		15	ug		20-AUG-21	R5564055
L2626675-19 SP1-TSP-210721 Sampled By: CLIENT on 21-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.04 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	34.2		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	241		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.036		0.036	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.43		0.43	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.071		0.071	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0071		0.0071	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.26		0.26	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.1		2.1	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0038		0.0038	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-19 SP1-TSP-210721 Sampled By: CLIENT on 21-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Chromium (Cr)	<0.48		0.48	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0043		0.0043	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.14		0.14	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.7		1.7	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.017		0.017	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<8.5		8.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.064		0.064	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.051		0.051	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.036		0.036	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<110		110	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.18		0.18	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.013		0.013	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<0.43		0.43	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.013		0.013	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.085		0.085	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.6		1.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00085		0.00085	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<0.71		0.71	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.64		0.64	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-20 SP1-PM10-210721 Sampled By: CLIENT on 21-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.19 m3 Air Conc.						13-AUG-21	R5561183
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-20 SP1-PM10-210721 Sampled By: CLIENT on 21-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Particulates							
Total particulate	29.9		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	215		15	ug		20-AUG-21	R5564055
L2626675-21 SP1-PM2.5-210721 Sampled By: CLIENT on 21-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.2 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	41.7		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	300		15	ug		20-AUG-21	R5564055
L2626675-22 SP1-TSP-270721 Sampled By: CLIENT on 27-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.3 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	58.5		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	427		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.068		0.068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0068		0.0068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.25		0.25	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.1		2.1	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0037		0.0037	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<0.47		0.47	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0041		0.0041	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.14		0.14	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.6		1.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.016		0.016	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-22 SP1-TSP-270721 Sampled By: CLIENT on 27-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Magnesium (Mg)	<8.2		8.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.062		0.062	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.049		0.049	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<100		100	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.18		0.18	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.082		0.082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00082		0.00082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<0.68		0.68	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.62		0.62	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-23 SP1-PM10-270721 Sampled By: CLIENT on 27-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.23 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	58.8		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	425		15	ug		20-AUG-21	R5564055
L2626675-24 SP1-PM2.5-270721 Sampled By: CLIENT on 27-JUL-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.05 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	58.7		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	414		15	ug		20-AUG-21	R5564055
L2626675-25 SP1-TSP-020821 CLIENT on 02-AUG-21 @ 12:00							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-25 SP1-TSP-020821 Sampled By: CLIENT on 02-AUG-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.31 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	133		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	972		15	ug		20-AUG-21	R5564055
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Aluminum (Al)	<9.0		9.0	ug	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Antimony (Sb)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Arsenic (As)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.068		0.068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Barium (Ba)	<0.50		0.50	ug	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.0068		0.0068	ug/m3	25-AUG-21	26-AUG-21	R5570478
Beryllium (Be)	<0.050		0.050	ug	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<0.25		0.25	ug/m3	25-AUG-21	26-AUG-21	R5570478
Bismuth (Bi)	<1.8		1.8	ug	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<2.1		2.1	ug/m3	25-AUG-21	26-AUG-21	R5570478
Boron (B)	<15		15	ug	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.0037		0.0037	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cadmium (Cd)	<0.027		0.027	ug	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<0.47		0.47	ug/m3	25-AUG-21	26-AUG-21	R5570478
Chromium (Cr)	<3.4		3.4	ug	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.0041		0.0041	ug/m3	25-AUG-21	26-AUG-21	R5570478
Cobalt (Co)	<0.030		0.030	ug	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<0.14		0.14	ug/m3	25-AUG-21	26-AUG-21	R5570478
Copper (Cu)	<1.0		1.0	ug	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<1.6		1.6	ug/m3	25-AUG-21	26-AUG-21	R5570478
Iron (Fe)	<12		12	ug	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.016		0.016	ug/m3	25-AUG-21	26-AUG-21	R5570478
Lead (Pb)	<0.12		0.12	ug	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<8.2		8.2	ug/m3	25-AUG-21	26-AUG-21	R5570478
Magnesium (Mg)	<60		60	ug	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.062		0.062	ug/m3	25-AUG-21	26-AUG-21	R5570478
Manganese (Mn)	<0.45		0.45	ug	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.049		0.049	ug/m3	25-AUG-21	26-AUG-21	R5570478
Molybdenum (Mo)	<0.36		0.36	ug	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.034		0.034	ug/m3	25-AUG-21	26-AUG-21	R5570478
Nickel (Ni)	<0.25		0.25	ug	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<100		100	ug/m3	25-AUG-21	26-AUG-21	R5570478
Phosphorus (P)	<750		750	ug	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<0.18		0.18	ug/m3	25-AUG-21	26-AUG-21	R5570478
Selenium (Se)	<1.3		1.3	ug	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Silver (Ag)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2626675-25 SP1-TSP-020821 Sampled By: CLIENT on 02-AUG-21 @ 12:00 Matrix: AMBIENT AIR							
Total Metals							
Strontium (Sr)	<0.41		0.41	ug/m3	25-AUG-21	26-AUG-21	R5570478
Strontium (Sr)	<3.0		3.0	ug	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.012		0.012	ug/m3	25-AUG-21	26-AUG-21	R5570478
Thallium (Tl)	<0.090		0.090	ug	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.082		0.082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Tin (Sn)	<0.60		0.60	ug	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<1.5		1.5	ug/m3	25-AUG-21	26-AUG-21	R5570478
Titanium (Ti)	<11		11	ug	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.00082		0.00082	ug/m3	25-AUG-21	26-AUG-21	R5570478
Uranium (U)	<0.0060		0.0060	ug	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<0.68		0.68	ug/m3	25-AUG-21	26-AUG-21	R5570478
Vanadium (V)	<5.0		5.0	ug	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<0.62		0.62	ug/m3	25-AUG-21	26-AUG-21	R5570478
Zinc (Zn)	<4.5		4.5	ug	25-AUG-21	26-AUG-21	R5570478
L2626675-26 SP1-PM10-020821 Sampled By: CLIENT on 02-AUG-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.24 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	114		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	827		15	ug		20-AUG-21	R5564055
L2626675-27 SP1-PM2.5-020821 Sampled By: CLIENT on 02-AUG-21 @ 12:00 Matrix: AMBIENT AIR							
Field Tests							
Air volume 7.29 m3 Air Conc.						13-AUG-21	R5561183
Particulates							
Total particulate	124		2.1	ug/m3		20-AUG-21	R5564055
Total particulate	904		15	ug		20-AUG-21	R5564055

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L2626675 Report Date: 31-AUG-21

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shelley Frost

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5570478								
WG3605423-3 DUP		**L2626675-1**						
Silver (Ag)		<0.090	<0.090	RPD-NA	ug	N/A	20	26-AUG-21
Aluminum (Al)		<9.0	<9.0	RPD-NA	ug	N/A	20	26-AUG-21
Arsenic (As)		<3.0	<3.0	RPD-NA	ug	N/A	20	26-AUG-21
Barium (Ba)		<0.50	<0.50	RPD-NA	ug	N/A	20	26-AUG-21
Beryllium (Be)		<0.050	<0.050	RPD-NA	ug	N/A	20	26-AUG-21
Cadmium (Cd)		<0.027	<0.027	RPD-NA	ug	N/A	20	26-AUG-21
Cobalt (Co)		<0.030	<0.030	RPD-NA	ug	N/A	20	26-AUG-21
Chromium (Cr)		<3.4	<3.4	RPD-NA	ug	N/A	20	26-AUG-21
Copper (Cu)		<1.0	<1.0	RPD-NA	ug	N/A	20	26-AUG-21
Iron (Fe)		<12	<12	RPD-NA	ug	N/A	25	26-AUG-21
Magnesium (Mg)		<60	<60	RPD-NA	ug	N/A	20	26-AUG-21
Manganese (Mn)		<0.45	<0.45	RPD-NA	ug	N/A	20	26-AUG-21
Molybdenum (Mo)		<0.36	<0.36	RPD-NA	ug	N/A	20	26-AUG-21
Nickel (Ni)		<0.25	<0.25	RPD-NA	ug	N/A	20	26-AUG-21
Lead (Pb)		<0.12	<0.12	RPD-NA	ug	N/A	20	26-AUG-21
Antimony (Sb)		<0.25	<0.25	RPD-NA	ug	N/A	20	26-AUG-21
Selenium (Se)		<1.3	<1.3	RPD-NA	ug	N/A	20	26-AUG-21
Thallium (Tl)		<0.090	<0.090	RPD-NA	ug	N/A	20	26-AUG-21
Uranium (U)		<0.0060	<0.0060	RPD-NA	ug	N/A	20	26-AUG-21
Vanadium (V)		<5.0	<5.0	RPD-NA	ug	N/A	20	26-AUG-21
Zinc (Zn)		<4.5	<4.5	RPD-NA	ug	N/A	20	26-AUG-21
Bismuth (Bi)		<1.8	<1.8	RPD-NA	ug	N/A	25	26-AUG-21
Boron (B)		<15	<15	RPD-NA	ug	N/A	25	26-AUG-21
Phosphorus (P)		<750	<750	RPD-NA	ug	N/A	25	26-AUG-21
Strontium (Sr)		<3.0	<3.0	RPD-NA	ug	N/A	25	26-AUG-21
Tin (Sn)		<0.60	<0.60	RPD-NA	ug	N/A	25	26-AUG-21
Titanium (Ti)		<11	<11	RPD-NA	ug	N/A	25	26-AUG-21
WG3605423-2 LCS								
Silver (Ag)			102.2		%		70-130	26-AUG-21
Aluminum (Al)			107.5		%		70-130	26-AUG-21
Arsenic (As)			99.5		%		80-120	26-AUG-21
Barium (Ba)			104.0		%		70-130	26-AUG-21
Beryllium (Be)			103.0		%		70-130	26-AUG-21
Cadmium (Cd)			100.6		%		80-120	26-AUG-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5570478								
WG3605423-2 LCS								
Cobalt (Co)			108.0		%		80-120	26-AUG-21
Chromium (Cr)			105.0		%		80-120	26-AUG-21
Copper (Cu)			104.0		%		80-120	26-AUG-21
Iron (Fe)			102.4		%		80-120	26-AUG-21
Magnesium (Mg)			103.2		%		70-130	26-AUG-21
Manganese (Mn)			102.0		%		80-120	26-AUG-21
Molybdenum (Mo)			101.8		%		70-130	26-AUG-21
Nickel (Ni)			102.0		%		80-120	26-AUG-21
Lead (Pb)			100.0		%		80-120	26-AUG-21
Antimony (Sb)			98.0		%		80-120	26-AUG-21
Selenium (Se)			102.0		%		80-120	26-AUG-21
Thallium (Tl)			101.0		%		70-130	26-AUG-21
Uranium (U)			102.0		%		70-130	26-AUG-21
Vanadium (V)			100.0		%		80-120	26-AUG-21
Zinc (Zn)			102.5		%		80-120	26-AUG-21
Bismuth (Bi)			102.0		%		70-130	26-AUG-21
Boron (B)			98.6		%		70-130	26-AUG-21
Phosphorus (P)			99.2		%		70-130	26-AUG-21
Strontium (Sr)			104.0		%		70-130	26-AUG-21
Tin (Sn)			100.6		%		70-130	26-AUG-21
Titanium (Ti)			98.7		%		70-130	26-AUG-21
WG3605423-1 MB								
Silver (Ag)			<0.090		ug		0.09	26-AUG-21
Aluminum (Al)			<9.0		ug		9	26-AUG-21
Arsenic (As)			<3.0		ug		3	26-AUG-21
Barium (Ba)			<0.50		ug		0.5	26-AUG-21
Beryllium (Be)			<0.050		ug		0.05	26-AUG-21
Cadmium (Cd)			<0.027		ug		0.027	26-AUG-21
Cobalt (Co)			<0.030		ug		0.03	26-AUG-21
Chromium (Cr)			<3.4		ug		3.4	26-AUG-21
Copper (Cu)			<1.0		ug		1	26-AUG-21
Iron (Fe)			<12		ug		12	26-AUG-21
Magnesium (Mg)			<60		ug		60	26-AUG-21
Manganese (Mn)			<0.45		ug		0.45	26-AUG-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5570478								
WG3605423-1 MB								
Molybdenum (Mo)			<0.36		ug		0.36	26-AUG-21
Nickel (Ni)			<0.25		ug		0.25	26-AUG-21
Lead (Pb)			<0.12		ug		0.12	26-AUG-21
Antimony (Sb)			<0.25		ug		0.25	26-AUG-21
Selenium (Se)			<1.3		ug		1.25	26-AUG-21
Thallium (Tl)			<0.090		ug		0.09	26-AUG-21
Uranium (U)			<0.0060		ug		0.006	26-AUG-21
Vanadium (V)			<5.0		ug		10	26-AUG-21
Zinc (Zn)			<4.5		ug		4.5	26-AUG-21
Bismuth (Bi)			<1.8		ug		1.8	26-AUG-21
Boron (B)			<15		ug		15	26-AUG-21
Phosphorus (P)			<750		ug		750	26-AUG-21
Strontium (Sr)			<3.0		ug		3	26-AUG-21
Tin (Sn)			<0.60		ug		0.6	26-AUG-21
Titanium (Ti)			<11		ug		10.5	26-AUG-21
PART-M212 F-GRAV-BU	**Filter**							
Batch R5564055								
WG3602234-2 DUP		**L2626675-1**						
Total particulate		149	151		ug	1.3	10	20-AUG-21
WG3602234-4 DUP		**L2626675-21**						
Total particulate		300	303		ug	1.0	10	20-AUG-21
WG3602234-1 MB								
Total particulate			<15		ug		15	20-AUG-21
WG3602234-3 MB								
Total particulate			<15		ug		15	20-AUG-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service	☑
Priority Service	☐
Emergency Service	☐
Date Required:	

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Shelley Frost	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	shelley@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2626675

ENTERED BY: (Lab Use Only) AP

NOTES (Lab Use Only)

L2626675-COFC

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TI	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-030621	03-Jun	12:00	0412		AA	7.33	X	X									1
SP1-PM10-030621	03-Jun	12:00	0411		AA	7.26			X								2
SP1-PM2.5-030621	03-Jun	12:00	0413		AA	7.49				X							3
SP1-TSP-090621	09-Jun	12:00	0414		AA	7.36	X	X									4
SP1-PM10-090621	09-Jun	12:00	0415		AA	7.21			X								5
SP1-PM2.5-090621	09-Jun	12:00	0416		AA	5.84				X							6
SP1-TSP-150621	15-Jun	12:00	0421		AA	5.85	X	X									7
SP1-PM10-150621	15-Jun	12:00	0422		AA	7.25			X								8
SP1-PM2.5-150621	15-Jun	12:00	0423		AA	7.15				X							9

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

also send results to:
mark@firstmininggold.com

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT

MEAN TEMP: 19.1

INITIALS:

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME: 8/13/21 11:00

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

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Regular Service	☑
Priority Service	☐
Emergency Service	☐
Date Required:	

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Shelley Frost	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	shelley@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

L2626675-COFC

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time		Canister or Tube ID#	Regulator Serial #	Matrix Type	ANALYSIS REQUEST										Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
	Date (dd-mmm-yy)	Time (24hr) (hh:mm)				AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME		
SP1-TSP-210621	21-Jun	12:00	0424		AA	7.47	X	X									10
SP1-PM10-210621	21-Jun	12:00	0425		AA	4.8			X								11
SP1-PM2.5-210621	21-Jun	12:00	0417		AA	7.12				X							12
SP1-TSP-270621	27-Jun	12:00	0472		AA	7.23	X	X									13
SP1-PM10-270621	27-Jun	12:00	0473		AA	7.31			X								14
SP1-PM2.5-270621	27-Jun	12:00	0474		AA	7.35				X							15
SP1-TSP-150721	15-Jul	12:00	0475		AA	7.3	X	X									16
SP1-PM10-150721	15-Jul	12:00	0476		AA	7.23			X								17
SP1-PM2.5-150721	15-Jul	12:00	0477		AA	7.28				X							18

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT

MEAN TEMP: 19.1

INITIALS

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME: 9/13/21 11:00

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

L2626675-COFC

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Shelley Frost	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	shelley@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-210721	21-Jul	12:00	0466		AA	7.04	X	X									19
SP1-PM10-210721	21-Jul	12:00	0467		AA	7.19			X								20
SP1-PM2.5-210721	21-Jul	12:00	0468		AA	7.2				X							21
SP1-TSP-270721	27-Jul	12:00	0469		AA	7.3	X	X									22
SP1-PM10-270721	27-Jul	12:00	0471		AA	7.23			X								23
SP1-PM2.5-270721	27-Jul	12:00	0470		AA	7.05				X							24
SP1-TSP-020821	02-Aug	12:00	0577		AA	7.31	X	X									25
SP1-PM10-020821	02-Aug	12:00	0578		AA	7.24			X								26
SP1-PM2.5-020821	02-Aug	12:00	0579		AA	7.29				X							27

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP: 19.1

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME: 9/13/21 11:00

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

November 2018 Front

FIRST MINING GOLD
ATTN: Shelley Frost
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 14-SEP-21
Report Date: 01-NOV-21 06:28 (MT)
Version: FINAL REV. 2

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2639580

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Comments:
1-NOV-2021 Metals added

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-1 SP1-TSP-080821									
Sampled By: M. RIDGWAY on 08-AUG-21 @ 12:00									
Matrix: Filter									
Field Tests									
Air volume	7.23 m3	Air Conc.						14-SEP-21	R5626559
Air volume	7.23 m3	Air Conc.						14-OCT-21	R5625900
Particulates									
Total particulate			22.0		2.1	ug/m3		26-SEP-21	R5625911
Total particulate			159		15	ug		26-SEP-21	R5625911
Total Metals									
Aluminum (Al)			<1.2		1.2	ug/m3	22-OCT-21	26-OCT-21	R5628962
Aluminum (Al)			<9.0		9.0	ug	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)			<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)			<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962
Arsenic (As)			<0.41		0.41	ug/m3	22-OCT-21	26-OCT-21	R5628962
Arsenic (As)			<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)			<0.069		0.069	ug/m3	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)			<0.50		0.50	ug	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)			<0.0069		0.0069	ug/m3	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)			<0.050		0.050	ug	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)			<0.25		0.25	ug/m3	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)			<1.8		1.8	ug	22-OCT-21	26-OCT-21	R5628962
Boron (B)			<2.1		2.1	ug/m3	22-OCT-21	26-OCT-21	R5628962
Boron (B)			<15		15	ug	22-OCT-21	26-OCT-21	R5628962
Cadmium (Cd)			<0.0037		0.0037	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cadmium (Cd)			<0.027		0.027	ug	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)			<0.47		0.47	ug/m3	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)			<3.4		3.4	ug	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)			<0.0041		0.0041	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)			<0.030		0.030	ug	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)			<0.14		0.14	ug/m3	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)			<1.0		1.0	ug	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)			<1.7		1.7	ug/m3	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)			<12		12	ug	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)			<0.017		0.017	ug/m3	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)			<0.12		0.12	ug	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)			<8.3		8.3	ug/m3	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)			<60		60	ug	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)			<0.062		0.062	ug/m3	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)			<0.45		0.45	ug	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)			<0.050		0.050	ug/m3	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)			<0.36		0.36	ug	22-OCT-21	26-OCT-21	R5628962
Nickel (Ni)			<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Nickel (Ni)			<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)			<100		100	ug/m3	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)			<750		750	ug	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)			<0.18		0.18	ug/m3	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)			<1.3		1.3	ug	22-OCT-21	26-OCT-21	R5628962

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-1 SP1-TSP-080821 Sampled By: M. RIDGWAY on 08-AUG-21 @ 12:00 Matrix: Filter							
Total Metals							
Silver (Ag)	<0.012		0.012	ug/m3	22-OCT-21	26-OCT-21	R5628962
Silver (Ag)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<0.41		0.41	ug/m3	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.012		0.012	ug/m3	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.083		0.083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.60		0.60	ug	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<1.5		1.5	ug/m3	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<11		11	ug	22-OCT-21	26-OCT-21	R5628962
Uranium (U)	<0.00083		0.00083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Uranium (U)	<0.0060		0.0060	ug	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<0.69		0.69	ug/m3	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<5.0		5.0	ug	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<0.62		0.62	ug/m3	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<4.5		4.5	ug	22-OCT-21	26-OCT-21	R5628962
L2639580-2 SP1-PM10-080821 Sampled By: M. RIDGWAY on 08-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.23 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	21.7		2.1	ug/m3		26-SEP-21	R5625911
Total particulate	157		15	ug		26-SEP-21	R5625911
L2639580-3 SP1-PM2.5-080821 Sampled By: M. RIDGWAY on 08-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.28 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	14.1		2.1	ug/m3		26-SEP-21	R5625911
Total particulate	103		15	ug		26-SEP-21	R5625911
L2639580-4 SP1-TSP-140821 Sampled By: M. RIDGWAY on 14-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.2 m3 Air Conc.						14-SEP-21	R5626559
Air volume 7.2 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	19.0		2.1	ug/m3		26-SEP-21	R5625911
Total particulate	137		15	ug		26-SEP-21	R5625911
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	22-OCT-21	26-OCT-21	R5628962
Aluminum (Al)	<9.0		9.0	ug	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)	<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)	<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-4 SP1-TSP-140821 Sampled By: M. RIDGWAY on 14-AUG-21 @ 12:00 Matrix: Filter							
Total Metals							
Arsenic (As)	<0.42		0.42	ug/m3	22-OCT-21	26-OCT-21	R5628962
Arsenic (As)	<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)	<0.069		0.069	ug/m3	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)	<0.50		0.50	ug	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)	<0.0069		0.0069	ug/m3	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)	<0.050		0.050	ug	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)	<0.25		0.25	ug/m3	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)	<1.8		1.8	ug	22-OCT-21	26-OCT-21	R5628962
Boron (B)	<2.1		2.1	ug/m3	22-OCT-21	26-OCT-21	R5628962
Boron (B)	<15		15	ug	22-OCT-21	26-OCT-21	R5628962
Cadmium (Cd)	<0.0038		0.0038	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cadmium (Cd)	<0.027		0.027	ug	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)	<0.47		0.47	ug/m3	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)	<3.4		3.4	ug	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)	<0.0042		0.0042	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)	<0.030		0.030	ug	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)	<0.14		0.14	ug/m3	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)	<1.0		1.0	ug	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)	<1.7		1.7	ug/m3	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)	<12		12	ug	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)	<0.017		0.017	ug/m3	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)	<0.12		0.12	ug	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)	<8.3		8.3	ug/m3	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)	<60		60	ug	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)	<0.063		0.063	ug/m3	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)	<0.45		0.45	ug	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)	<0.050		0.050	ug/m3	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)	<0.36		0.36	ug	22-OCT-21	26-OCT-21	R5628962
Nickel (Ni)	<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Nickel (Ni)	<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)	<100		100	ug/m3	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)	<750		750	ug	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)	<0.18		0.18	ug/m3	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)	<1.3		1.3	ug	22-OCT-21	26-OCT-21	R5628962
Silver (Ag)	<0.013		0.013	ug/m3	22-OCT-21	26-OCT-21	R5628962
Silver (Ag)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<0.42		0.42	ug/m3	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.013		0.013	ug/m3	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.083		0.083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.60		0.60	ug	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<1.5		1.5	ug/m3	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<11		11	ug	22-OCT-21	26-OCT-21	R5628962

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-4 SP1-TSP-140821 Sampled By: M. RIDGWAY on 14-AUG-21 @ 12:00 Matrix: Filter							
Total Metals							
Uranium (U)	<0.00083		0.00083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Uranium (U)	<0.0060		0.0060	ug	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<0.69		0.69	ug/m3	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<5.0		5.0	ug	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<0.63		0.63	ug/m3	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<4.5		4.5	ug	22-OCT-21	26-OCT-21	R5628962
L2639580-5 SP1-PM10-140821 Sampled By: M. RIDGWAY on 14-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.36 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	20.2		2.0	ug/m3		26-SEP-21	R5625911
Total particulate	149		15	ug		26-SEP-21	R5625911
L2639580-6 SP1-PM2.5-140821 Sampled By: M. RIDGWAY on 14-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.4 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	5.7		2.0	ug/m3		26-SEP-21	R5625911
Total particulate	42		15	ug		26-SEP-21	R5625911
L2639580-7 SP1-TSP-200821 Sampled By: M. RIDGWAY on 20-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.22 m3 Air Conc.						14-SEP-21	R5626559
Air volume 7.22 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	37.1		2.1	ug/m3		26-SEP-21	R5625911
Total particulate	268		15	ug		26-SEP-21	R5625911
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	22-OCT-21	26-OCT-21	R5628962
Aluminum (Al)	<9.0		9.0	ug	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)	<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)	<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962
Arsenic (As)	<0.42		0.42	ug/m3	22-OCT-21	26-OCT-21	R5628962
Arsenic (As)	<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)	<0.069		0.069	ug/m3	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)	<0.50		0.50	ug	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)	<0.0069		0.0069	ug/m3	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)	<0.050		0.050	ug	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)	<0.25		0.25	ug/m3	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)	<1.8		1.8	ug	22-OCT-21	26-OCT-21	R5628962
Boron (B)	<2.1		2.1	ug/m3	22-OCT-21	26-OCT-21	R5628962
Boron (B)	<15		15	ug	22-OCT-21	26-OCT-21	R5628962

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-7 SP1-TSP-200821 Sampled By: M. RIDGWAY on 20-AUG-21 @ 12:00 Matrix: Filter							
Total Metals							
Cadmium (Cd)	<0.0037		0.0037	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cadmium (Cd)	<0.027		0.027	ug	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)	<0.47		0.47	ug/m3	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)	<3.4		3.4	ug	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)	<0.0042		0.0042	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)	<0.030		0.030	ug	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)	<0.14		0.14	ug/m3	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)	<1.0		1.0	ug	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)	<1.7		1.7	ug/m3	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)	<12		12	ug	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)	<0.017		0.017	ug/m3	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)	<0.12		0.12	ug	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)	<8.3		8.3	ug/m3	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)	<60		60	ug	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)	<0.062		0.062	ug/m3	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)	<0.45		0.45	ug	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)	<0.050		0.050	ug/m3	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)	<0.36		0.36	ug	22-OCT-21	26-OCT-21	R5628962
Nickel (Ni)	<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Nickel (Ni)	<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)	<100		100	ug/m3	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)	<750		750	ug	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)	<0.18		0.18	ug/m3	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)	<1.3		1.3	ug	22-OCT-21	26-OCT-21	R5628962
Silver (Ag)	<0.012		0.012	ug/m3	22-OCT-21	26-OCT-21	R5628962
Silver (Ag)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<0.42		0.42	ug/m3	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.012		0.012	ug/m3	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.083		0.083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.60		0.60	ug	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<1.5		1.5	ug/m3	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<11		11	ug	22-OCT-21	26-OCT-21	R5628962
Uranium (U)	<0.00083		0.00083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Uranium (U)	<0.0060		0.0060	ug	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<0.69		0.69	ug/m3	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<5.0		5.0	ug	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<0.62		0.62	ug/m3	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<4.5		4.5	ug	22-OCT-21	26-OCT-21	R5628962
L2639580-8 SP1-PM10-200821 Sampled By: M. RIDGWAY on 20-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.38 m3 Air Conc.						14-OCT-21	R5625900

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-8 SP1-PM10-200821 Sampled By: M. RIDGWAY on 20-AUG-21 @ 12:00 Matrix: Filter							
Particulates							
Total particulate	34.7		2.0	ug/m3		26-SEP-21	R5625911
Total particulate	256		15	ug		26-SEP-21	R5625911
L2639580-9 SP1-PM2.5-200821 Sampled By: M. RIDGWAY on 20-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.2 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	33.2		2.1	ug/m3		26-SEP-21	R5625911
Total particulate	239		15	ug		26-SEP-21	R5625911
L2639580-10 SP2-PM10-080821 Sampled By: M. RIDGWAY on 08-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 24 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	<0.63		0.63	ug/m3		26-SEP-21	R5625911
Total particulate	<15		15	ug		26-SEP-21	R5625911
Report Remarks : Sample was returned to the lab with evidence of damage around the edges. Analytical result is significantly negative, indicating the filter has lost mass during sampling. Result is certain to be biased low. PE 21-Oct-21							
L2639580-11 SP2-PM10-140821 Sampled By: M. RIDGWAY on 14-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 24 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	<0.63		0.63	ug/m3		26-SEP-21	R5625911
Total particulate	<15		15	ug		26-SEP-21	R5625911
Report Remarks : Sample was returned to the lab with evidence of damage around the edges. Analytical result is significantly negative, indicating the filter has lost mass during sampling. Result is certain to be biased low. PE 21-Oct-21							
L2639580-12 SP2-PM10-200821 Sampled By: M. RIDGWAY on 20-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 24 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	<0.63		0.63	ug/m3		26-SEP-21	R5625911
Total particulate	<15		15	ug		26-SEP-21	R5625911
Report Remarks : mSample was returned to the lab with evidence of damage around the edges. Analytical result is significantly negative, indicating the filter has lost mass during sampling. Result is certain to be biased low. PE 21-Oct-21							
L2639580-13 SP2-PM10-260821 Sampled By: M. RIDGWAY on 26-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 24 m3 Air Conc.						14-OCT-21	R5625900
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-13 SP2-PM10-260821 Sampled By: M. RIDGWAY on 26-AUG-21 @ 12:00 Matrix: Filter									
Particulates									
Total particulate			<0.63		0.63	ug/m3		26-SEP-21	R5625911
Total particulate			<15		15	ug		26-SEP-21	R5625911
Report Remarks : Sample was returned to the lab with evidence of damage around the edges. Analytical result is significantly negative, indicating the filter has lost mass during sampling. Result is certain to be biased low. PE 21-Oct-21									
L2639580-14 SP1-TSP-260821 Sampled By: M. RIDGWAY on 26-AUG-21 @ 12:00 Matrix: Filter									
Field Tests									
Air volume	7.19 m3	Air Conc.						14-SEP-21	R5626559
Air volume	7.19 m3	Air Conc.						14-OCT-21	R5625900
Particulates									
Total particulate			19.2		2.1	ug/m3		26-SEP-21	R5625911
Total particulate			138		15	ug		26-SEP-21	R5625911
Total Metals									
Aluminum (Al)			<1.3		1.3	ug/m3	22-OCT-21	26-OCT-21	R5628962
Aluminum (Al)			<9.0		9.0	ug	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)			<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Antimony (Sb)			<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962
Arsenic (As)			<0.42		0.42	ug/m3	22-OCT-21	26-OCT-21	R5628962
Arsenic (As)			<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)			<0.070		0.070	ug/m3	22-OCT-21	26-OCT-21	R5628962
Barium (Ba)			<0.50		0.50	ug	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)			<0.0070		0.0070	ug/m3	22-OCT-21	26-OCT-21	R5628962
Beryllium (Be)			<0.050		0.050	ug	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)			<0.25		0.25	ug/m3	22-OCT-21	26-OCT-21	R5628962
Bismuth (Bi)			<1.8		1.8	ug	22-OCT-21	26-OCT-21	R5628962
Boron (B)			<2.1		2.1	ug/m3	22-OCT-21	26-OCT-21	R5628962
Boron (B)			<15		15	ug	22-OCT-21	26-OCT-21	R5628962
Cadmium (Cd)			<0.0038		0.0038	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cadmium (Cd)			<0.027		0.027	ug	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)			<0.47		0.47	ug/m3	22-OCT-21	26-OCT-21	R5628962
Chromium (Cr)			<3.4		3.4	ug	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)			<0.0042		0.0042	ug/m3	22-OCT-21	26-OCT-21	R5628962
Cobalt (Co)			<0.030		0.030	ug	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)			<0.14		0.14	ug/m3	22-OCT-21	26-OCT-21	R5628962
Copper (Cu)			<1.0		1.0	ug	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)			<1.7		1.7	ug/m3	22-OCT-21	26-OCT-21	R5628962
Iron (Fe)			<12		12	ug	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)			<0.017		0.017	ug/m3	22-OCT-21	26-OCT-21	R5628962
Lead (Pb)			<0.12		0.12	ug	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)			<8.3		8.3	ug/m3	22-OCT-21	26-OCT-21	R5628962
Magnesium (Mg)			<60		60	ug	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)			<0.063		0.063	ug/m3	22-OCT-21	26-OCT-21	R5628962
Manganese (Mn)			<0.45		0.45	ug	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)			<0.050		0.050	ug/m3	22-OCT-21	26-OCT-21	R5628962
Molybdenum (Mo)			<0.36		0.36	ug	22-OCT-21	26-OCT-21	R5628962

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2639580-14 SP1-TSP-260821 Sampled By: M. RIDGWAY on 26-AUG-21 @ 12:00 Matrix: Filter							
Total Metals							
Nickel (Ni)	<0.035		0.035	ug/m3	22-OCT-21	26-OCT-21	R5628962
Nickel (Ni)	<0.25		0.25	ug	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)	<100		100	ug/m3	22-OCT-21	26-OCT-21	R5628962
Phosphorus (P)	<750		750	ug	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)	<0.18		0.18	ug/m3	22-OCT-21	26-OCT-21	R5628962
Selenium (Se)	<1.3		1.3	ug	22-OCT-21	26-OCT-21	R5628962
Silver (Ag)	<0.013		0.013	ug/m3	22-OCT-21	26-OCT-21	R5628962
Silver (Ag)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<0.42		0.42	ug/m3	22-OCT-21	26-OCT-21	R5628962
Strontium (Sr)	<3.0		3.0	ug	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.013		0.013	ug/m3	22-OCT-21	26-OCT-21	R5628962
Thallium (Tl)	<0.090		0.090	ug	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.083		0.083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Tin (Sn)	<0.60		0.60	ug	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<1.5		1.5	ug/m3	22-OCT-21	26-OCT-21	R5628962
Titanium (Ti)	<11		11	ug	22-OCT-21	26-OCT-21	R5628962
Uranium (U)	<0.00083		0.00083	ug/m3	22-OCT-21	26-OCT-21	R5628962
Uranium (U)	<0.0060		0.0060	ug	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<0.70		0.70	ug/m3	22-OCT-21	26-OCT-21	R5628962
Vanadium (V)	<5.0		5.0	ug	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<0.63		0.63	ug/m3	22-OCT-21	26-OCT-21	R5628962
Zinc (Zn)	<4.5		4.5	ug	22-OCT-21	26-OCT-21	R5628962
L2639580-15 SP1-PM10-260821 Sampled By: M. RIDGWAY on 26-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.19 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	16.8		2.1	ug/m3		26-SEP-21	R5625911
Total particulate	121		15	ug		26-SEP-21	R5625911
L2639580-16 SP1-PM2.5-260821 Sampled By: M. RIDGWAY on 26-AUG-21 @ 12:00 Matrix: Filter							
Field Tests							
Air volume 7.14 m3 Air Conc.						14-OCT-21	R5625900
Particulates							
Total particulate	17.9		2.1	ug/m3		26-SEP-21	R5625911
Total particulate	128		15	ug		26-SEP-21	R5625911

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L2639580 Report Date: 01-NOV-21

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Shelley Frost

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5628962								
WG3645750-2 LCS								
Silver (Ag)			98.2		%		70-130	26-OCT-21
Aluminum (Al)			94.0		%		70-130	26-OCT-21
Arsenic (As)			100.0		%		80-120	26-OCT-21
Barium (Ba)			107.0		%		70-130	26-OCT-21
Beryllium (Be)			104.0		%		70-130	26-OCT-21
Cadmium (Cd)			105.6		%		80-120	26-OCT-21
Cobalt (Co)			103.0		%		80-120	26-OCT-21
Chromium (Cr)			101.0		%		80-120	26-OCT-21
Copper (Cu)			102.0		%		80-120	26-OCT-21
Iron (Fe)			104.4		%		80-120	26-OCT-21
Magnesium (Mg)			104.6		%		70-130	26-OCT-21
Manganese (Mn)			99.8		%		80-120	26-OCT-21
Molybdenum (Mo)			103.6		%		70-130	26-OCT-21
Nickel (Ni)			102.0		%		80-120	26-OCT-21
Lead (Pb)			101.0		%		80-120	26-OCT-21
Antimony (Sb)			98.5		%		80-120	26-OCT-21
Selenium (Se)			105.0		%		80-120	26-OCT-21
Thallium (Tl)			94.4		%		70-130	26-OCT-21
Uranium (U)			99.3		%		70-130	26-OCT-21
Vanadium (V)			102.0		%		80-120	26-OCT-21
Zinc (Zn)			103.5		%		80-120	26-OCT-21
Bismuth (Bi)			99.6		%		70-130	26-OCT-21
Boron (B)			110.0		%		70-130	26-OCT-21
Phosphorus (P)			100.8		%		70-130	26-OCT-21
Strontium (Sr)			102.0		%		70-130	26-OCT-21
Tin (Sn)			102.8		%		70-130	26-OCT-21
Titanium (Ti)			98.7		%		70-130	26-OCT-21
WG3645750-3 LCSD		**WG3645750-2**						
Silver (Ag)		98.2	104		%	6.1	25	26-OCT-21
Aluminum (Al)		94.0	95		%	0.5	25	26-OCT-21
Arsenic (As)		100.0	100		%	0.0	25	26-OCT-21
Barium (Ba)		107.0	107		%	0.0	25	26-OCT-21
Beryllium (Be)		104.0	105		%	1.0	25	26-OCT-21
Cadmium (Cd)		105.6	102		%	3.7	25	26-OCT-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5628962								
WG3645750-3 LCSD		**WG3645750-2**						
Cobalt (Co)		103.0	106		%	2.9	25	26-OCT-21
Chromium (Cr)		101.0	102		%	1.0	25	26-OCT-21
Copper (Cu)		102.0	102		%	0.0	25	26-OCT-21
Iron (Fe)		104.4	104		%	0.8	25	26-OCT-21
Magnesium (Mg)		104.6	105		%	0.6	25	26-OCT-21
Manganese (Mn)		99.8	100		%	0.1	25	26-OCT-21
Molybdenum (Mo)		103.6	101		%	2.7	25	26-OCT-21
Nickel (Ni)		102.0	102		%	0.0	25	26-OCT-21
Lead (Pb)		101.0	102		%	1.0	25	26-OCT-21
Antimony (Sb)		98.5	100		%	1.0	25	26-OCT-21
Selenium (Se)		105.0	106		%	0.9	25	26-OCT-21
Thallium (Tl)		94.4	95		%	0.4	25	26-OCT-21
Uranium (U)		99.3	99		%	0.0	25	26-OCT-21
Vanadium (V)		102.0	102		%	0.0	25	26-OCT-21
Zinc (Zn)		103.5	104		%	0.5	25	26-OCT-21
Bismuth (Bi)		99.6	99		%	0.6	25	26-OCT-21
Boron (B)		110.0	109		%	0.9	25	26-OCT-21
Phosphorus (P)		100.8	104		%	2.7	25	26-OCT-21
Strontium (Sr)		102.0	103		%	1.0	25	26-OCT-21
Tin (Sn)		102.8	99		%	3.8	25	26-OCT-21
Titanium (Ti)		98.7	98		%	0.7	25	26-OCT-21
WG3645750-1 MB								
Silver (Ag)			<0.090		ug		0.09	26-OCT-21
Aluminum (Al)			<9.0		ug		9	26-OCT-21
Arsenic (As)			<3.0		ug		3	26-OCT-21
Barium (Ba)			<0.50		ug		0.5	26-OCT-21
Beryllium (Be)			<0.050		ug		0.05	26-OCT-21
Cadmium (Cd)			<0.027		ug		0.027	26-OCT-21
Cobalt (Co)			<0.030		ug		0.03	26-OCT-21
Chromium (Cr)			<3.4		ug		3.4	26-OCT-21
Copper (Cu)			<1.0		ug		1	26-OCT-21
Iron (Fe)			<12		ug		12	26-OCT-21
Magnesium (Mg)			<60		ug		60	26-OCT-21
Manganese (Mn)			<0.45		ug		0.45	26-OCT-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5628962								
WG3645750-1 MB								
Molybdenum (Mo)			<0.36		ug		0.36	26-OCT-21
Nickel (Ni)			<0.25		ug		0.25	26-OCT-21
Lead (Pb)			<0.12		ug		0.12	26-OCT-21
Antimony (Sb)			<0.25		ug		0.25	26-OCT-21
Selenium (Se)			<1.3		ug		1.25	26-OCT-21
Thallium (Tl)			<0.090		ug		0.09	26-OCT-21
Uranium (U)			<0.0060		ug		0.006	26-OCT-21
Vanadium (V)			<5.0		ug		10	26-OCT-21
Zinc (Zn)			<4.5		ug		4.5	26-OCT-21
Bismuth (Bi)			<1.8		ug		1.8	26-OCT-21
Boron (B)			<15		ug		15	26-OCT-21
Phosphorus (P)			<750		ug		750	26-OCT-21
Strontium (Sr)			<3.0		ug		3	26-OCT-21
Tin (Sn)			<0.60		ug		0.6	26-OCT-21
Titanium (Ti)			<11		ug		10.5	26-OCT-21
PART-M212 F-GRAV-BU	**Filter**							
Batch R5625911								
WG3642520-5 DUP		**L2639580-1**						
Total particulate		159	161		ug	1.3	10	26-SEP-21
WG3642520-3 MB								
Total particulate			<15		ug		15	26-SEP-21
WG3642520-4 MB								
Total particulate			<15		ug		15	26-SEP-21

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

L2639580-COFC

ALS QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

Page 1 of 2

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Shelley Frost	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	Email 2: ryan.fletcher@woodplc.com		PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2639580

ENTERED BY: (Lab Use Only) AP

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-080821	8-Aug-21	12:00	0583		AA	7.23	X	X									
SP1-PM10-080821	8-Aug-21	12:00	0585		AA	7.23			X								
SP1-PM2.5-080821	8-Aug-21	12:00	0584		AA	7.28				X							
SP1-TSP-140821	14-Aug-21	12:00	0586		AA	7.2	X	X									
SP1-PM10-140821	14-Aug-21	12:00	0587		AA	7.36			X								
SP1-PM2.5-140821	14-Aug-21	12:00	0588		AA	7.4				X							
SP1-TSP-200821	20-Aug-21	12:00	0377		AA	7.22	X	X									
SP1-PM10-200821	20-Aug-21	12:00	0379		AA	7.38			X								
SP1-PM2.5-200821	20-Aug-21	12:00	0378		AA	7.2				X							

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Also send results to: mark@firstmininggold.com

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT

MEAN TEMP

SAMPLED BY: Mark Ridgway	DATE & TIME: Aug 28/2021 13:00	RECEIVED BY:	DATE & TIME:
RELINQUISHED BY: Mark Ridgway	DATE & TIME: 9/2021 13:00	RECEIVED AT LAB BY:	DATE & TIME: 14 Sep 21 10:20

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

L2639580-COFC

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

Page 2 of 2

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Shelley Frost	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	Email 2: ryan.fletcher@woodplc.com		PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-080821	8-Aug-21	12:00	0582	24	AA				X								
SP2-PM10-140821	14-Aug-21	12:00	0589	24	AA				X								
SP2-PM10-200821	20-Aug-21	12:00	0590	24	AA				X								
SP2-PM10-260821	26-Aug-21	12:00	0384	24	AA				X								
SP1-TSP-260821	26-Aug-21	12:00	0383	7.19	AA		X	X									
SP1-PM10-260821	26-Aug-21	12:00	0381	7.17	AA				X								
SP1-PM2.5-260821	26-Aug-21	12:00	0382	7.14	AA					X							

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Also send results to: mark@firstminninggold.com

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY: Mark Ri...	DATE & TIME: Aug 28 2021 13:00	RECEIVED BY:	DATE & TIME	SIF OBSERVATIONS: Yes ☐ No ☐	INITIALS
RELINQUISHED BY: Mark Ri...	DATE & TIME: Sept 9/2021 13:00	RECEIVED AT LAB BY:	DATE & TIME: 14-Sep-21	CUSTODY SEAL INTACT: Yes ☐ No ☐	

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 11-NOV-21
Report Date: 08-DEC-21 10:56 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2662931

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Comments: Filter samples L2662931-12, and -37 through -46 show obvious signs of damage, sustained prior to submission to the laboratory. In each case, the outside edges of the filter have been damaged, with portions of the filter missing from the sample container. The associated loss of mass has resulted in a very low bias for the particulate loading on each of these samples.
PE 30-Nov-21

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-1 SP1-TSP-010921									
Sampled By: MARK on 01-SEP-21 @ 12:00									
Matrix: AA									
Field Tests									
Air volume	7.12 m3	Air Conc.						11-NOV-21	R5655580
Particulates									
Total particulate			7.9		2.1	ug/m3		25-NOV-21	R5659177
Total particulate			56		15	ug		25-NOV-21	R5659177
Total Metals									
Aluminum (Al)			<1.3		1.3	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)			<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)			<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)			<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)			<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)			<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)			<0.070		0.070	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)			<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)			<0.0070		0.0070	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)			<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)			<0.25		0.25	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)			<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)			<2.1		2.1	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)			<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)			<0.0038		0.0038	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)			<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)			<0.48		0.48	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)			<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)			<0.0042		0.0042	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)			<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)			<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)			<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)			<1.7		1.7	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)			<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)			<0.017		0.017	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)			<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)			<8.4		8.4	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)			<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)			<0.063		0.063	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)			<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)			<0.051		0.051	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)			<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)			<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)			<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)			<110		110	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)			<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)			<0.18		0.18	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)			<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)			<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)			<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-1 SP1-TSP-010921 Sampled By: MARK on 01-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Strontium (Sr)	<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.084		0.084	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.5		1.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00084		0.00084	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.70		0.70	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<0.63		0.63	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
Extractable Metals							
Mercury (Hg)	<0.0014		0.0014	ug/m3	29-NOV-21	03-DEC-21	R5663442
Mercury (Hg)	<0.010		0.010	ug	29-NOV-21	03-DEC-21	R5663442
L2662931-2 SP1-PM10-010921 Sampled By: MARK on 01-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.27 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	17.5		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	127		15	ug		25-NOV-21	R5659177
L2662931-3 SP1-PM2.5-010921 Sampled By: MARK on 01-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.17 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	9.5		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	68		15	ug		25-NOV-21	R5659177
L2662931-5 SP1-PM10-070921 Sampled By: MARK on 07-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.35 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	6.3		2.0	ug/m3		25-NOV-21	R5659177
Total particulate	46		15	ug		25-NOV-21	R5659177
L2662931-6 SP1-PM2.5-070921 Sampled By: MARK on 07-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 5.17 m3 Air Conc.						11-NOV-21	R5655580

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-6 SP1-PM2.5-070921 Sampled By: MARK on 07-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Particulates							
Total particulate	14.1		2.9	ug/m3		25-NOV-21	R5659177
Total particulate	73		15	ug		25-NOV-21	R5659177
L2662931-7 SP1-TSP-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.05 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	2.3		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	16		15	ug		25-NOV-21	R5659177
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.43		0.43	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.071		0.071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.0071		0.0071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.26		0.26	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.1		2.1	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0038		0.0038	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<0.48		0.48	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0043		0.0043	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<1.7		1.7	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.017		0.017	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<8.5		8.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.064		0.064	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.051		0.051	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-7 SP1-TSP-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Phosphorus (P)	<110		110	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.18		0.18	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.43		0.43	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.085		0.085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.6		1.6	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00085		0.00085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.71		0.71	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<0.64		0.64	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
Extractable Metals							
Mercury (Hg)	<0.0014		0.0014	ug/m3	29-NOV-21	03-DEC-21	R5663442
Mercury (Hg)	<0.010		0.010	ug	29-NOV-21	03-DEC-21	R5663442
L2662931-8 SP1-PM10-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.38 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	8.8		2.0	ug/m3		25-NOV-21	R5659177
Total particulate	65		15	ug		25-NOV-21	R5659177
L2662931-9 SP1-PM2.5-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.18 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	4.7		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	34		15	ug		25-NOV-21	R5659177
L2662931-10 SP1-TSP-190921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.35 m3 Air Conc.						11-NOV-21	R5655580
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-10 SP1-TSP-190921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Particulates							
Total particulate	26.7		2.0	ug/m3		25-NOV-21	R5659177
Total particulate	196		15	ug		25-NOV-21	R5659177
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.034		0.034	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.41		0.41	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.068		0.068	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.0068		0.0068	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.24		0.24	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.0		2.0	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0037		0.0037	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<0.46		0.46	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0041		0.0041	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<1.6		1.6	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.016		0.016	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<8.2		8.2	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.061		0.061	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.049		0.049	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.034		0.034	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<100		100	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.18		0.18	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.012		0.012	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.41		0.41	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-10 SP1-TSP-190921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Thallium (Tl)	<0.012		0.012	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.082		0.082	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.5		1.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00082		0.00082	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.68		0.68	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<0.61		0.61	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
L2662931-11 SP1-PM10-190921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.43 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	27.5		2.0	ug/m3		25-NOV-21	R5659177
Total particulate	204		15	ug		25-NOV-21	R5659177
L2662931-12 SP1-PM2.5-190921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.4 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<2.0		2.0	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
L2662931-13 SP1-TSP-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.14 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	13.0		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	93		15	ug		25-NOV-21	R5659177
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.070		0.070	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-13 SP1-TSP-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Beryllium (Be)	<0.0070		0.0070	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.25		0.25	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.1		2.1	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0038		0.0038	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<0.48		0.48	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0042		0.0042	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<1.7		1.7	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.017		0.017	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<8.4		8.4	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.063		0.063	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.050		0.050	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<110		110	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.18		0.18	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.084		0.084	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.5		1.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00084		0.00084	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.70		0.70	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-13 SP1-TSP-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Zinc (Zn)	<0.63		0.63	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
Extractable Metals							
Mercury (Hg)	<0.0014		0.0014	ug/m3	29-NOV-21	03-DEC-21	R5663442
Mercury (Hg)	<0.010		0.010	ug	29-NOV-21	03-DEC-21	R5663442
L2662931-14 SP1-PM10-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 5.95 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	13.8		2.5	ug/m3		25-NOV-21	R5659177
Total particulate	82		15	ug		25-NOV-21	R5659177
L2662931-15 SP1-PM2.5-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.26 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	6.1		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	44		15	ug		25-NOV-21	R5659177
L2662931-16 SP1-TSP-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.22 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	23.5		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	170		15	ug		25-NOV-21	R5659177
Total Metals							
Aluminum (Al)	<1.2		1.2	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.069		0.069	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.0069		0.0069	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.25		0.25	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.1		2.1	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0037		0.0037	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-16 SP1-TSP-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Chromium (Cr)	<0.47		0.47	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0042		0.0042	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<1.7		1.7	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.017		0.017	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<8.3		8.3	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.062		0.062	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.050		0.050	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<100		100	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.18		0.18	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.012		0.012	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.012		0.012	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.083		0.083	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.5		1.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00083		0.00083	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.69		0.69	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<0.62		0.62	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
L2662931-17 SP1-PM10-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 8.43 m3 Air Conc.						11-NOV-21	R5655580
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-17 SP1-PM10-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Particulates							
Total particulate	16.4		1.8	ug/m3		25-NOV-21	R5659177
Total particulate	138		15	ug		25-NOV-21	R5659177
L2662931-18 SP1-PM2.5-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.38 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	8.8		2.0	ug/m3		25-NOV-21	R5659177
Total particulate	65		15	ug		25-NOV-21	R5659177
L2662931-19 SP1-TSP-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 5.96 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	12.9		2.5	ug/m3		25-NOV-21	R5659177
Total particulate	77		15	ug		25-NOV-21	R5659177
Total Metals							
Aluminum (Al)	<1.5		1.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.042		0.042	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.50		0.50	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.084		0.084	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.0084		0.0084	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.30		0.30	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.5		2.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0045		0.0045	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<0.57		0.57	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0050		0.0050	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.17		0.17	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<2.0		2.0	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.020		0.020	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-19 SP1-TSP-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Magnesium (Mg)	<10		10	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.076		0.076	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.060		0.060	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.042		0.042	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<130		130	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.22		0.22	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.015		0.015	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.50		0.50	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.015		0.015	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.10		0.10	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.8		1.8	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0010		0.0010	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.84		0.84	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<0.76		0.76	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
Extractable Metals							
Mercury (Hg)	<0.0017		0.0017	ug/m3	29-NOV-21	03-DEC-21	R5663442
Mercury (Hg)	<0.010		0.010	ug	29-NOV-21	03-DEC-21	R5663442
L2662931-20 SP1-PM10-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 6.47 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	8.5		2.3	ug/m3		25-NOV-21	R5659177
Total particulate	55		15	ug		25-NOV-21	R5659177
L2662931-21 SP1-PM2.5-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 4.86 m3 Air Conc.						11-NOV-21	R5655580
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-21 SP1-PM2.5-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Particulates							
Total particulate	11.3		3.1	ug/m3		25-NOV-21	R5659177
Total particulate	55		15	ug		25-NOV-21	R5659177
L2662931-22 SP1-TSP-131021 Sampled By: MARK on 13-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.02 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	2.8		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	20		15	ug		25-NOV-21	R5659177
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.036		0.036	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.43		0.43	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.071		0.071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.0071		0.0071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.26		0.26	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.1		2.1	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0038		0.0038	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<0.48		0.48	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0043		0.0043	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<1.7		1.7	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.017		0.017	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<8.5		8.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.064		0.064	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.051		0.051	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.036		0.036	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-22 SP1-TSP-131021 Sampled By: MARK on 13-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Phosphorus (P)	<110		110	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.19		0.19	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.43		0.43	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.085		0.085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.6		1.6	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00085		0.00085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.71		0.71	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<0.64		0.64	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
L2662931-23 SP1-PM10-131021 Sampled By: MARK on 13-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.27 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	7.3		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	53		15	ug		25-NOV-21	R5659177
L2662931-24 SP1-PM2.5-131021 Sampled By: MARK on 13-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.14 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<2.1		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
L2662931-25 SP1-TSP-191021 Sampled By: MARK on 19-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.07 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	10.0		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	71		15	ug		25-NOV-21	R5659177
Total Metals							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-25 SP1-TSP-191021 Sampled By: MARK on 19-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.071		0.071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.0071		0.0071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.25		0.25	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.1		2.1	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0038		0.0038	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<0.48		0.48	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0042		0.0042	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<1.7		1.7	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.017		0.017	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<8.5		8.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.064		0.064	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.051		0.051	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.035		0.035	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<110		110	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.18		0.18	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.42		0.42	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-25 SP1-TSP-191021 Sampled By: MARK on 19-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Tin (Sn)	<0.085		0.085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.6		1.6	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00085		0.00085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.71		0.71	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<0.64		0.64	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
Extractable Metals							
Mercury (Hg)	<0.0014		0.0014	ug/m3	29-NOV-21	03-DEC-21	R5663442
Mercury (Hg)	<0.010		0.010	ug	29-NOV-21	03-DEC-21	R5663442
L2662931-26 SP1-PM10-191021 Sampled By: MARK on 19-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 13.1 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	6.0		1.1	ug/m3		25-NOV-21	R5659177
Total particulate	78		15	ug		25-NOV-21	R5659177
L2662931-27 SP1-PM2.5-191021 Sampled By: MARK on 19-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.12 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	7.7		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	55		15	ug		25-NOV-21	R5659177
L2662931-28 SP1-TSP-251021 Sampled By: MARK on 25-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.04 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<2.1		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
Total Metals							
Aluminum (Al)	<1.3		1.3	ug/m3	29-NOV-21	02-DEC-21	R5667841
Aluminum (Al)	<9.0		9.0	ug	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.036		0.036	ug/m3	29-NOV-21	02-DEC-21	R5667841
Antimony (Sb)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<0.43		0.43	ug/m3	29-NOV-21	02-DEC-21	R5667841
Arsenic (As)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.071		0.071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Barium (Ba)	<0.50		0.50	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-28 SP1-TSP-251021 Sampled By: MARK on 25-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Beryllium (Be)	<0.0071		0.0071	ug/m3	29-NOV-21	02-DEC-21	R5667841
Beryllium (Be)	<0.050		0.050	ug	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<0.26		0.26	ug/m3	29-NOV-21	02-DEC-21	R5667841
Bismuth (Bi)	<1.8		1.8	ug	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<2.1		2.1	ug/m3	29-NOV-21	02-DEC-21	R5667841
Boron (B)	<15		15	ug	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.0038		0.0038	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cadmium (Cd)	<0.027		0.027	ug	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<0.48		0.48	ug/m3	29-NOV-21	02-DEC-21	R5667841
Chromium (Cr)	<3.4		3.4	ug	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.0043		0.0043	ug/m3	29-NOV-21	02-DEC-21	R5667841
Cobalt (Co)	<0.030		0.030	ug	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<0.14		0.14	ug/m3	29-NOV-21	02-DEC-21	R5667841
Copper (Cu)	<1.0		1.0	ug	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<1.7		1.7	ug/m3	29-NOV-21	02-DEC-21	R5667841
Iron (Fe)	<12		12	ug	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.017		0.017	ug/m3	29-NOV-21	02-DEC-21	R5667841
Lead (Pb)	<0.12		0.12	ug	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<8.5		8.5	ug/m3	29-NOV-21	02-DEC-21	R5667841
Magnesium (Mg)	<60		60	ug	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.064		0.064	ug/m3	29-NOV-21	02-DEC-21	R5667841
Manganese (Mn)	<0.45		0.45	ug	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.051		0.051	ug/m3	29-NOV-21	02-DEC-21	R5667841
Molybdenum (Mo)	<0.36		0.36	ug	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.036		0.036	ug/m3	29-NOV-21	02-DEC-21	R5667841
Nickel (Ni)	<0.25		0.25	ug	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<110		110	ug/m3	29-NOV-21	02-DEC-21	R5667841
Phosphorus (P)	<750		750	ug	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<0.18		0.18	ug/m3	29-NOV-21	02-DEC-21	R5667841
Selenium (Se)	<1.3		1.3	ug	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Silver (Ag)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<0.43		0.43	ug/m3	29-NOV-21	02-DEC-21	R5667841
Strontium (Sr)	<3.0		3.0	ug	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.013		0.013	ug/m3	29-NOV-21	02-DEC-21	R5667841
Thallium (Tl)	<0.090		0.090	ug	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.085		0.085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Tin (Sn)	<0.60		0.60	ug	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<1.6		1.6	ug/m3	29-NOV-21	02-DEC-21	R5667841
Titanium (Ti)	<11		11	ug	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.00085		0.00085	ug/m3	29-NOV-21	02-DEC-21	R5667841
Uranium (U)	<0.0060		0.0060	ug	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<0.71		0.71	ug/m3	29-NOV-21	02-DEC-21	R5667841
Vanadium (V)	<5.0		5.0	ug	29-NOV-21	02-DEC-21	R5667841

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-28 SP1-TSP-251021 Sampled By: MARK on 25-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Zinc (Zn)	<0.64		0.64	ug/m3	29-NOV-21	02-DEC-21	R5667841
Zinc (Zn)	<4.5		4.5	ug	29-NOV-21	02-DEC-21	R5667841
Extractable Metals							
Mercury (Hg)	<0.0014		0.0014	ug/m3	29-NOV-21	03-DEC-21	R5663442
Mercury (Hg)	<0.010		0.010	ug	29-NOV-21	03-DEC-21	R5663442
L2662931-29 SP1-PM10-251021 Sampled By: MARK on 25-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.04 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	2.1		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	15		15	ug		25-NOV-21	R5659177
L2662931-30 SP1-PM2.5-251021 Sampled By: MARK on 25-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 7.02 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	2.4		2.1	ug/m3		25-NOV-21	R5659177
Total particulate	17		15	ug		25-NOV-21	R5659177
L2662931-31 SP2-TSP-070921 Sampled By: MARK on 07-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 1555 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	10.8		0.064	ug/m3		22-NOV-21	R5656955
Total particulate	16800		100	ug		22-NOV-21	R5656955
Total Metals							
Aluminum (Al)	0.0307		0.0058	ug/m3	24-NOV-21	25-NOV-21	R5658050
Aluminum (Al)	47.7		9.0	ug	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	<0.00016		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	<0.25		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	0.00570		0.00032	ug/m3	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	8.87		0.50	ug	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.000032		0.000032	ug/m3	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.050		0.050	ug	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<0.0012		0.0012	ug/m3	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<1.8		1.8	ug	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<0.0096		0.0096	ug/m3	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<15		15	ug	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.000020		0.000017	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.030		0.027	ug	24-NOV-21	25-NOV-21	R5658050

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-31 SP2-TSP-070921 Sampled By: MARK on 07-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Chromium (Cr)	<0.0022		0.0022	ug/m3	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<3.4		3.4	ug	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.000063		0.000019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.097		0.030	ug	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	0.0315		0.00064	ug/m3	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	49.1		1.0	ug	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	0.0518		0.0077	ug/m3	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	81		12	ug	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.000176		0.000077	ug/m3	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.27		0.12	ug	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	0.042		0.039	ug/m3	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	66		60	ug	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	0.00271		0.00029	ug/m3	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	4.21		0.45	ug	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	0.00181		0.00023	ug/m3	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	2.82		0.36	ug	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	0.00129		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	2.01		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<0.48		0.48	ug/m3	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<750		750	ug	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<0.00084		0.00084	ug/m3	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<1.3		1.3	ug	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.000058		0.000058	ug/m3	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.000058		0.000058	ug/m3	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.00039		0.00039	ug/m3	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.60		0.60	ug	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<0.0071		0.0071	ug/m3	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<11		11	ug	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	<0.0000039		0.0000039	ug/m3	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	<0.0060		0.0060	ug	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<0.0032		0.0032	ug/m3	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<5.0		5.0	ug	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	0.0073		0.0029	ug/m3	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	11.3		4.5	ug	24-NOV-21	25-NOV-21	R5658050
L2662931-32 SP2-TSP-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 1558 m3 Air Conc.						11-NOV-21	R5655580
Particulates							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-32 SP2-TSP-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Particulates							
Total particulate	7.77		0.064	ug/m3		22-NOV-21	R5656955
Total particulate	12100		100	ug		22-NOV-21	R5656955
Total Metals							
Aluminum (Al)	0.0246		0.0058	ug/m3	24-NOV-21	25-NOV-21	R5658050
Aluminum (Al)	38.4		9.0	ug	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	<0.00016		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	<0.25		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	0.00107		0.00032	ug/m3	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	1.67		0.50	ug	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.000032		0.000032	ug/m3	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.050		0.050	ug	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<0.0012		0.0012	ug/m3	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<1.8		1.8	ug	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<0.0096		0.0096	ug/m3	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<15		15	ug	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	<0.000017		0.000017	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	<0.027		0.027	ug	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<0.0022		0.0022	ug/m3	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<3.4		3.4	ug	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.000050		0.000019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.078		0.030	ug	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	0.0465		0.00064	ug/m3	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	72.5		1.0	ug	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	0.0491		0.0077	ug/m3	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	77		12	ug	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.000430		0.000077	ug/m3	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.67		0.12	ug	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	0.041		0.039	ug/m3	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	64		60	ug	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	0.00155		0.00029	ug/m3	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	2.41		0.45	ug	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	0.00252		0.00023	ug/m3	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	3.93		0.36	ug	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	0.00101		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	1.58		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<0.48		0.48	ug/m3	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<750		750	ug	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<0.00083		0.00083	ug/m3	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<1.3		1.3	ug	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.000058		0.000058	ug/m3	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-32 SP2-TSP-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Thallium (Tl)	<0.000058		0.000058	ug/m3	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.00039		0.00039	ug/m3	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.60		0.60	ug	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<0.0071		0.0071	ug/m3	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<11		11	ug	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	<0.0000039		0.0000039	ug/m3	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	<0.0060		0.0060	ug	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<0.0032		0.0032	ug/m3	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<5.0		5.0	ug	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	0.0033		0.0029	ug/m3	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	5.2		4.5	ug	24-NOV-21	25-NOV-21	R5658050
Extractable Metals							
Mercury (Hg)	<0.0000064		0.0000064	ug/m3	24-NOV-21	26-NOV-21	R5657914
Mercury (Hg)	<0.010		0.010	ug	24-NOV-21	26-NOV-21	R5657914
L2662931-33 SP2-TSP-190921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 1604 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	27.9		0.062	ug/m3		22-NOV-21	R5656955
Total particulate	44800		100	ug		22-NOV-21	R5656955
Total Metals							
Aluminum (Al)	0.218		0.0056	ug/m3	24-NOV-21	25-NOV-21	R5658050
Aluminum (Al)	349		9.0	ug	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	0.00027		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	0.43		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	0.00421		0.00031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	6.75		0.50	ug	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.000031		0.000031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.050		0.050	ug	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<0.0011		0.0011	ug/m3	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<1.8		1.8	ug	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<0.0094		0.0094	ug/m3	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<15		15	ug	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.000060		0.000017	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.097		0.027	ug	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<0.0021		0.0021	ug/m3	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<3.4		3.4	ug	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.000111		0.000019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.177		0.030	ug	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	0.0415		0.00062	ug/m3	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	66.6		1.0	ug	24-NOV-21	25-NOV-21	R5658050

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-33 SP2-TSP-190921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Iron (Fe)	0.263		0.0075	ug/m3	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	422		12	ug	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.000934		0.000075	ug/m3	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	1.50		0.12	ug	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	0.180		0.037	ug/m3	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	288		60	ug	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	0.00974		0.00028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	15.6		0.45	ug	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	0.00266		0.00022	ug/m3	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	4.27		0.36	ug	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	0.00107		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	1.72		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<0.47		0.47	ug/m3	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<750		750	ug	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<0.00081		0.00081	ug/m3	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<1.3		1.3	ug	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.000056		0.000056	ug/m3	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	3.1		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.000056		0.000056	ug/m3	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.00037		0.00037	ug/m3	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.60		0.60	ug	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	0.0074		0.0069	ug/m3	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	12		11	ug	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	0.0000168		0.0000037	ug/m3	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	0.0269		0.0060	ug	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<0.0031		0.0031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<5.0		5.0	ug	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	0.0060		0.0028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	9.7		4.5	ug	24-NOV-21	25-NOV-21	R5658050
L2662931-34 SP2-TSP-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 1589 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	10.2		0.063	ug/m3		22-NOV-21	R5656955
Total particulate	16200		100	ug		22-NOV-21	R5656955
Total Metals							
Aluminum (Al)	0.0306		0.0057	ug/m3	24-NOV-21	25-NOV-21	R5658050
Aluminum (Al)	48.6		9.0	ug	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	<0.00016		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	<0.25		0.25	ug	24-NOV-21	25-NOV-21	R5658050

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-34 SP2-TSP-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Arsenic (As)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	0.00250		0.00031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	3.97		0.50	ug	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.000031		0.000031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.050		0.050	ug	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<0.0011		0.0011	ug/m3	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<1.8		1.8	ug	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<0.0094		0.0094	ug/m3	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<15		15	ug	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.000049		0.000017	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.078		0.027	ug	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<0.0021		0.0021	ug/m3	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<3.4		3.4	ug	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.000040		0.000019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.064		0.030	ug	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	0.0312		0.00063	ug/m3	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	49.5		1.0	ug	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	0.0589		0.0076	ug/m3	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	94		12	ug	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.000198		0.000076	ug/m3	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.31		0.12	ug	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	0.056		0.038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	88		60	ug	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	0.00191		0.00028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	3.04		0.45	ug	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	0.00215		0.00023	ug/m3	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	3.42		0.36	ug	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	0.00091		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	1.44		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<0.47		0.47	ug/m3	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<750		750	ug	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<0.00082		0.00082	ug/m3	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<1.3		1.3	ug	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.000057		0.000057	ug/m3	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.000057		0.000057	ug/m3	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.00038		0.00038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.60		0.60	ug	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<0.0069		0.0069	ug/m3	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<11		11	ug	24-NOV-21	25-NOV-21	R5658050

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-34 SP2-TSP-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Total Metals							
Uranium (U)	<0.0000038		0.0000038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	<0.0060		0.0060	ug	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<0.0031		0.0031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<5.0		5.0	ug	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	0.0033		0.0028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	5.2		4.5	ug	24-NOV-21	25-NOV-21	R5658050
Extractable Metals							
Mercury (Hg)	<0.0000063		0.0000063	ug/m3	24-NOV-21	26-NOV-21	R5657914
Mercury (Hg)	<0.010		0.010	ug	24-NOV-21	26-NOV-21	R5657914
L2662931-35 SP2-TSP-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 1588 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	33.9		0.063	ug/m3		22-NOV-21	R5656955
Total particulate	53900		100	ug		22-NOV-21	R5656955
Total Metals							
Aluminum (Al)	0.200		0.0057	ug/m3	24-NOV-21	25-NOV-21	R5658050
Aluminum (Al)	317		9.0	ug	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	0.00031		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	0.50		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	0.00323		0.00031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	5.13		0.50	ug	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.000031		0.000031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.050		0.050	ug	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<0.0011		0.0011	ug/m3	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<1.8		1.8	ug	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<0.0094		0.0094	ug/m3	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<15		15	ug	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.000072		0.000017	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.114		0.027	ug	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<0.0021		0.0021	ug/m3	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<3.4		3.4	ug	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.000196		0.000019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.312		0.030	ug	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	0.0283		0.00063	ug/m3	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	45.0		1.0	ug	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	0.411		0.0076	ug/m3	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	653		12	ug	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.000776		0.000076	ug/m3	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	1.23		0.12	ug	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	0.221		0.038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	351		60	ug	24-NOV-21	25-NOV-21	R5658050

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-35 SP2-TSP-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Manganese (Mn)	0.0133		0.00028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	21.1		0.45	ug	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	0.00172		0.00023	ug/m3	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	2.73		0.36	ug	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	0.00143		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	2.27		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<0.47		0.47	ug/m3	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<750		750	ug	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<0.00082		0.00082	ug/m3	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<1.3		1.3	ug	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.000057		0.000057	ug/m3	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.000057		0.000057	ug/m3	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.00038		0.00038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.60		0.60	ug	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	0.0116		0.0069	ug/m3	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	18		11	ug	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	0.0000175		0.0000038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	0.0279		0.0060	ug	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<0.0031		0.0031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<5.0		5.0	ug	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	0.0067		0.0028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	10.7		4.5	ug	24-NOV-21	25-NOV-21	R5658050
L2662931-36 SP2-TSP-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 1599 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	14.6		0.063	ug/m3		22-NOV-21	R5656955
Total particulate	23400		100	ug		22-NOV-21	R5656955
Total Metals							
Aluminum (Al)	0.0484		0.0056	ug/m3	24-NOV-21	25-NOV-21	R5658050
Aluminum (Al)	77.4		9.0	ug	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	0.00031		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Antimony (Sb)	0.50		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Arsenic (As)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	0.00232		0.00031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Barium (Ba)	3.71		0.50	ug	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.000031		0.000031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Beryllium (Be)	<0.050		0.050	ug	24-NOV-21	25-NOV-21	R5658050

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-36 SP2-TSP-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Total Metals							
Bismuth (Bi)	<0.0011		0.0011	ug/m3	24-NOV-21	25-NOV-21	R5658050
Bismuth (Bi)	<1.8		1.8	ug	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<0.0094		0.0094	ug/m3	24-NOV-21	25-NOV-21	R5658050
Boron (B)	<15		15	ug	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.000042		0.000017	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cadmium (Cd)	0.068		0.027	ug	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<0.0021		0.0021	ug/m3	24-NOV-21	25-NOV-21	R5658050
Chromium (Cr)	<3.4		3.4	ug	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.000059		0.000019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Cobalt (Co)	0.095		0.030	ug	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	0.0571		0.00063	ug/m3	24-NOV-21	25-NOV-21	R5658050
Copper (Cu)	91.4		1.0	ug	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	0.127		0.0075	ug/m3	24-NOV-21	25-NOV-21	R5658050
Iron (Fe)	203		12	ug	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	0.00102		0.000075	ug/m3	24-NOV-21	25-NOV-21	R5658050
Lead (Pb)	1.62		0.12	ug	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	0.096		0.038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Magnesium (Mg)	153		60	ug	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	0.00425		0.00028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Manganese (Mn)	6.80		0.45	ug	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	0.00326		0.00023	ug/m3	24-NOV-21	25-NOV-21	R5658050
Molybdenum (Mo)	5.22		0.36	ug	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	0.00117		0.00016	ug/m3	24-NOV-21	25-NOV-21	R5658050
Nickel (Ni)	1.87		0.25	ug	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<0.47		0.47	ug/m3	24-NOV-21	25-NOV-21	R5658050
Phosphorus (P)	<750		750	ug	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<0.00081		0.00081	ug/m3	24-NOV-21	25-NOV-21	R5658050
Selenium (Se)	<1.3		1.3	ug	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.000056		0.000056	ug/m3	24-NOV-21	25-NOV-21	R5658050
Silver (Ag)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<0.0019		0.0019	ug/m3	24-NOV-21	25-NOV-21	R5658050
Strontium (Sr)	<3.0		3.0	ug	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.000056		0.000056	ug/m3	24-NOV-21	25-NOV-21	R5658050
Thallium (Tl)	<0.090		0.090	ug	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.00038		0.00038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Tin (Sn)	<0.60		0.60	ug	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<0.0069		0.0069	ug/m3	24-NOV-21	25-NOV-21	R5658050
Titanium (Ti)	<11		11	ug	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	0.0000063		0.0000038	ug/m3	24-NOV-21	25-NOV-21	R5658050
Uranium (U)	0.0101		0.0060	ug	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<0.0031		0.0031	ug/m3	24-NOV-21	25-NOV-21	R5658050
Vanadium (V)	<5.0		5.0	ug	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	0.0067		0.0028	ug/m3	24-NOV-21	25-NOV-21	R5658050
Zinc (Zn)	10.8		4.5	ug	24-NOV-21	25-NOV-21	R5658050
Extractable Metals							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-36 SP2-TSP-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA							
Extractable Metals							
Mercury (Hg)	<0.0000063		0.0000063	ug/m3	24-NOV-21	26-NOV-21	R5657914
Mercury (Hg)	<0.010		0.010	ug	24-NOV-21	26-NOV-21	R5657914
L2662931-37 SP2-PM10-010921 Sampled By: MARK on 01-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 24 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
L2662931-38 SP2-PM10-070921 Sampled By: MARK on 07-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 24 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
L2662931-39 SP2-PM10-130921 Sampled By: MARK on 13-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 24 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
L2662931-40 SP2-PM10-010921 Sampled By: MARK on 19-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 24 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
L2662931-41 SP2-PM10-250921 Sampled By: MARK on 25-SEP-21 @ 12:00 Matrix: AA							
Field Tests							
Air volume 24 m3 Air Conc.						11-NOV-21	R5655580
Particulates							
Total particulate	<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate	<15		15	ug		25-NOV-21	R5659177
L2662931-42 SP2-PM10-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA							
Field Tests							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2662931-42 SP2-PM10-011021 Sampled By: MARK on 01-OCT-21 @ 12:00 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						11-NOV-21	R5655580
Particulates									
Total particulate			<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate			<15		15	ug		25-NOV-21	R5659177
L2662931-43 SP2-PM10-071021 Sampled By: MARK on 07-OCT-21 @ 12:00 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						11-NOV-21	R5655580
Particulates									
Total particulate			<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate			<15		15	ug		25-NOV-21	R5659177
L2662931-44 SP2-PM10-131021 Sampled By: MARK on 13-OCT-21 @ 12:00 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						11-NOV-21	R5655580
Particulates									
Total particulate			<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate			<15		15	ug		25-NOV-21	R5659177
L2662931-45 SP2-PM10-191021 Sampled By: MARK on 19-OCT-21 @ 12:00 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						11-NOV-21	R5655580
Particulates									
Total particulate			<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate			<15		15	ug		25-NOV-21	R5659177
L2662931-46 SP2-PM10-251021 Sampled By: CLIENT on 25-OCT-21 @ 12:00 Matrix:									
Field Tests									
Air volume	24 m3	Air Conc.						11-NOV-21	R5655580
Particulates									
Total particulate			<0.63		0.63	ug/m3		25-NOV-21	R5659177
Total particulate			<15		15	ug		25-NOV-21	R5659177

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate	Lead (Pb)	G	L2662931-31, -32, -33, -34, -35, -36
Comments:	Al and Pb RPDs are outisde ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 29-Nov-21		
Duplicate	Aluminum (Al)	J,G	L2662931-31, -32, -33, -34, -35, -36
Comments:	Al and Pb RPDs are outisde ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 29-Nov-21		
Matrix Spike	Iron (Fe)	MS-B	L2662931-31, -32, -33, -34, -35, -36

Sample Parameter Qualifier key listed:

Qualifier	Description
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
HG-IO3.5-CVAA-BU	Filter	Mercury on High Volume Filter by CVAA	USEPA Method IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the CVAA instrument for analysis.			
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.			
PART-HIVOL-GRAV-BU	Filter	Particulate on High Volume Filter	USEPA IO3.1
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12
The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-IO3.5-CVAA-BU	**Filter**							
Batch R5657914								
WG3665783-2 LCS								
Mercury (Hg)			94.2		ug		70-130	26-NOV-21
WG3665783-1 MB								
Mercury (Hg)			<0.0050		ug		0.005	26-NOV-21
Batch R5663442								
WG3669571-2 LCS								
Mercury (Hg)			89.4		ug		70-130	03-DEC-21
WG3669571-3 LCSD		**WG3669571-2**						
Mercury (Hg)		N/A	95		%	5.7	25	03-DEC-21
WG3669571-1 MB								
Mercury (Hg)			<0.0050		ug		0.005	03-DEC-21
MET-IO3.5-MS-BU	**Filter**							
Batch R5658050								
WG3665783-2 LCS								
Silver (Ag)			92.4		%		70-130	25-NOV-21
Aluminum (Al)			79.5		%		70-130	25-NOV-21
Arsenic (As)			90.5		%		80-120	25-NOV-21
Barium (Ba)			96.8		%		70-130	25-NOV-21
Beryllium (Be)			96.9		%		70-130	25-NOV-21
Cadmium (Cd)			98.8		%		80-120	25-NOV-21
Cobalt (Co)			92.4		%		80-120	25-NOV-21
Chromium (Cr)			91.0		%		80-120	25-NOV-21
Copper (Cu)			81.8		%		80-120	25-NOV-21
Iron (Fe)			92.6		%		80-120	25-NOV-21
Magnesium (Mg)			94.2		%		70-130	25-NOV-21
Manganese (Mn)			91.2		%		80-120	25-NOV-21
Molybdenum (Mo)			93.0		%		70-130	25-NOV-21
Nickel (Ni)			93.5		%		80-120	25-NOV-21
Lead (Pb)			94.6		%		80-120	25-NOV-21
Antimony (Sb)			89.5		%		80-120	25-NOV-21
Selenium (Se)			94.9		%		80-120	25-NOV-21
Thallium (Tl)			93.8		%		70-130	25-NOV-21
Uranium (U)			93.7		%		70-130	25-NOV-21
Vanadium (V)			92.9		%		80-120	25-NOV-21
Zinc (Zn)			94.5		%		80-120	25-NOV-21
Bismuth (Bi)			91.8		%		70-130	25-NOV-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5658050								
WG3665783-2 LCS								
Boron (B)			95.8		%		70-130	25-NOV-21
Phosphorus (P)			93.6		%		70-130	25-NOV-21
Strontium (Sr)			90.5		%		70-130	25-NOV-21
Tin (Sn)			94.4		%		70-130	25-NOV-21
Titanium (Ti)			86.5		%		70-130	25-NOV-21
Zirconium (Zr)			82.0		%		70-130	25-NOV-21
WG3665783-1 MB								
Silver (Ag)			<0.090		ug		0.09	25-NOV-21
Aluminum (Al)			<9.0		ug		9	25-NOV-21
Arsenic (As)			<3.0		ug		3	25-NOV-21
Barium (Ba)			<0.50		ug		0.5	25-NOV-21
Beryllium (Be)			<0.050		ug		0.05	25-NOV-21
Cadmium (Cd)			<0.027		ug		0.027	25-NOV-21
Cobalt (Co)			<0.030		ug		0.03	25-NOV-21
Chromium (Cr)			<3.4		ug		3.4	25-NOV-21
Copper (Cu)			<1.0		ug		1	25-NOV-21
Iron (Fe)			<12		ug		12	25-NOV-21
Magnesium (Mg)			<60		ug		60	25-NOV-21
Manganese (Mn)			<0.45		ug		0.45	25-NOV-21
Molybdenum (Mo)			<0.36		ug		0.36	25-NOV-21
Nickel (Ni)			<0.25		ug		0.25	25-NOV-21
Lead (Pb)			<0.12		ug		0.12	25-NOV-21
Antimony (Sb)			<0.25		ug		0.25	25-NOV-21
Selenium (Se)			<1.3		ug		1.25	25-NOV-21
Thallium (Tl)			<0.090		ug		0.09	25-NOV-21
Uranium (U)			<0.0060		ug		0.006	25-NOV-21
Vanadium (V)			<5.0		ug		10	25-NOV-21
Zinc (Zn)			<4.5		ug		4.5	25-NOV-21
Bismuth (Bi)			<1.8		ug		1.8	25-NOV-21
Boron (B)			<15		ug		15	25-NOV-21
Phosphorus (P)			<750		ug		750	25-NOV-21
Strontium (Sr)			<3.0		ug		3	25-NOV-21
Tin (Sn)			<0.60		ug		0.6	25-NOV-21
Titanium (Ti)			<11		ug		10.5	25-NOV-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5658050								
WG3665783-1 MB								
Zirconium (Zr)			<2.0		ug		2	25-NOV-21
Batch R5667841								
WG3669571-2 LCS								
Silver (Ag)			100.6		%		70-130	02-DEC-21
Aluminum (Al)			93.5		%		70-130	02-DEC-21
Arsenic (As)			98.3		%		80-120	02-DEC-21
Barium (Ba)			98.8		%		70-130	02-DEC-21
Beryllium (Be)			108.0		%		70-130	02-DEC-21
Cadmium (Cd)			98.4		%		80-120	02-DEC-21
Cobalt (Co)			98.7		%		80-120	02-DEC-21
Chromium (Cr)			98.0		%		80-120	02-DEC-21
Copper (Cu)			87.1		%		80-120	02-DEC-21
Iron (Fe)			102.6		%		80-120	02-DEC-21
Magnesium (Mg)			99.8		%		70-130	02-DEC-21
Manganese (Mn)			98.4		%		80-120	02-DEC-21
Molybdenum (Mo)			96.4		%		70-130	02-DEC-21
Nickel (Ni)			99.8		%		80-120	02-DEC-21
Lead (Pb)			100.0		%		80-120	02-DEC-21
Antimony (Sb)			92.5		%		80-120	02-DEC-21
Selenium (Se)			103.0		%		80-120	02-DEC-21
Thallium (Tl)			97.1		%		70-130	02-DEC-21
Uranium (U)			97.7		%		70-130	02-DEC-21
Vanadium (V)			98.9		%		80-120	02-DEC-21
Zinc (Zn)			101.5		%		80-120	02-DEC-21
Bismuth (Bi)			95.3		%		70-130	02-DEC-21
Boron (B)			107.0		%		70-130	02-DEC-21
Phosphorus (P)			104.4		%		70-130	02-DEC-21
Strontium (Sr)			97.6		%		70-130	02-DEC-21
Tin (Sn)			93.2		%		70-130	02-DEC-21
Titanium (Ti)			92.8		%		70-130	02-DEC-21
WG3669571-3 LCSD		**WG3669571-2**						
Silver (Ag)		100.6	100		%	1.0	25	02-DEC-21
Aluminum (Al)		93.5	97		%	3.7	25	02-DEC-21
Arsenic (As)		98.3	101		%	2.7	25	02-DEC-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5667841								
WG3669571-3 LCSD		**WG3669571-2**						
Barium (Ba)		98.8	101		%	2.2	25	02-DEC-21
Beryllium (Be)		108.0	106		%	1.9	25	02-DEC-21
Cadmium (Cd)		98.4	100		%	1.6	25	02-DEC-21
Cobalt (Co)		98.7	102		%	3.3	25	02-DEC-21
Chromium (Cr)		98.0	101		%	3.0	25	02-DEC-21
Copper (Cu)		87.1	90		%	3.1	25	02-DEC-21
Iron (Fe)		102.6	103		%	0.6	25	02-DEC-21
Magnesium (Mg)		99.8	103		%	2.8	25	02-DEC-21
Manganese (Mn)		98.4	101		%	2.6	25	02-DEC-21
Molybdenum (Mo)		96.4	96		%	0.8	25	02-DEC-21
Nickel (Ni)		99.8	103		%	3.2	25	02-DEC-21
Lead (Pb)		100.0	99		%	1.5	25	02-DEC-21
Antimony (Sb)		92.5	90		%	2.7	25	02-DEC-21
Selenium (Se)		103.0	102		%	1.0	25	02-DEC-21
Thallium (Tl)		97.1	96		%	1.7	25	02-DEC-21
Uranium (U)		97.7	94		%	4.0	25	02-DEC-21
Vanadium (V)		98.9	102		%	3.1	25	02-DEC-21
Zinc (Zn)		101.5	104		%	2.0	25	02-DEC-21
Bismuth (Bi)		95.3	94		%	1.8	25	02-DEC-21
Boron (B)		107.0	108		%	0.9	25	02-DEC-21
Phosphorus (P)		104.4	108		%	3.4	25	02-DEC-21
Strontium (Sr)		97.6	96		%	1.5	25	02-DEC-21
Tin (Sn)		93.2	95		%	1.9	25	02-DEC-21
Titanium (Ti)		92.8	96		%	2.9	25	02-DEC-21
WG3669571-1 MB								
Silver (Ag)			<0.090		ug		0.09	02-DEC-21
Aluminum (Al)			<9.0		ug		9	02-DEC-21
Arsenic (As)			<3.0		ug		3	02-DEC-21
Barium (Ba)			<0.50		ug		0.5	02-DEC-21
Beryllium (Be)			<0.050		ug		0.05	02-DEC-21
Cadmium (Cd)			<0.027		ug		0.027	02-DEC-21
Cobalt (Co)			<0.030		ug		0.03	02-DEC-21
Chromium (Cr)			<3.4		ug		3.4	02-DEC-21
Copper (Cu)			<1.0		ug		1	02-DEC-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5667841								
WG3669571-1 MB								
Iron (Fe)			<12		ug		12	02-DEC-21
Magnesium (Mg)			<60		ug		60	02-DEC-21
Manganese (Mn)			<0.45		ug		0.45	02-DEC-21
Molybdenum (Mo)			<0.36		ug		0.36	02-DEC-21
Nickel (Ni)			<0.25		ug		0.25	02-DEC-21
Lead (Pb)			<0.12		ug		0.12	02-DEC-21
Antimony (Sb)			<0.25		ug		0.25	02-DEC-21
Selenium (Se)			<1.3		ug		1.25	02-DEC-21
Thallium (Tl)			<0.090		ug		0.09	02-DEC-21
Uranium (U)			<0.0060		ug		0.006	02-DEC-21
Vanadium (V)			<5.0		ug		10	02-DEC-21
Zinc (Zn)			<4.5		ug		4.5	02-DEC-21
Bismuth (Bi)			<1.8		ug		1.8	02-DEC-21
Boron (B)			<15		ug		15	02-DEC-21
Phosphorus (P)			<750		ug		750	02-DEC-21
Strontium (Sr)			<3.0		ug		3	02-DEC-21
Tin (Sn)			<0.60		ug		0.6	02-DEC-21
Titanium (Ti)			<11		ug		10.5	02-DEC-21
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5656955								
WG3662713-4 DUP		**L2662931-31**						
Total particulate		16800	16900		ug	0.6	5	22-NOV-21
WG3662713-3 MB								
Total particulate			<100		ug		100	22-NOV-21
PART-M212 F-GRAV-BU	**Filter**							
Batch R5659177								
WG3667207-3 DUP		**L2662931-1**						
Total particulate		56	54		ug	3.6	10	25-NOV-21
WG3667207-6 DUP		**L2662931-22**						
Total particulate		20	19		ug	5.1	10	25-NOV-21
WG3667207-1 MB								
Total particulate			<15		ug		15	25-NOV-21
WG3667207-2 MB								
Total particulate			<15		ug		15	25-NOV-21
WG3667207-4 MB								

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-M212 F-GRAV-BU	**Filter**							
Batch R5659177								
WG3667207-4 MB								
Total particulate			<15		ug		15	25-NOV-21
WG3667207-5 MB								
Total particulate			<15		ug		15	25-NOV-21

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

L2662931-COFC

AIR QUALITY REQUEST FORM

COC # _____

Page 1 of 6

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME: First Mining Gold		REGULATORY REQUIREMENT	
OFFICE:			
PROJECT MANAGER: Mark Ridgway		METHOD REQUIREMENT	
PROJECT #:			
PHONE:	FAX:	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #:			
QUOTATION #: Q81056	PO #:	Email ☑ Fax ☐	
Email 1:	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑	

ALS WORK ORDER NUMBER: (Lab Use Only): L2662931

ENTERED BY: (Lab Use Only): G. Braun

NOTES (Lab Use Only):

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-010921	01-Sep	12:00	0644		AA	7.12	X	X				x					-1
SP1-PM10-010921	01-Sep	12:00	0527		AA	7.27			X								-2
SP1-PM2.5-010921	01-Sep	12:00	0528		AA	7.17				X							-3
SP1-TSP-070921	07-Sep	12:00	0645		AA	0											-4
SP1-PM10-070921	07-Sep	12:00	0646		AA	7.35			X								-5
SP1-PM2.5-070921	07-Sep	12:00	0647		AA	5.17				X							-6
SP1-TSP-130921	13-Sep	12:00	0653		AA	7.05	X	X				x					-7
SP1-PM10-130921	13-Sep	12:00	0654		AA	7.38			X								-8
SP1-PM2.5-130921	13-Sep	12:00	0655		AA	7.18				X							-9

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
RELINQUISHED BY: Mark Ridgway	DATE & TIME: 09-NOV-21 13:00	RECEIVED AT LAB BY: G. Braun	DATE & TIME: 11/12/21

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

L2662931-COFC

AIR QUALITY ... ST FORM

COC #_____

Page 2 of 6

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME: First Mining Gold		REGULATORY REQUIREMENT	
OFFICE:			
PROJECT MANAGER: Mark Ridgway		METHOD REQUIREMENT	
PROJECT #:			
PHONE:	FAX:	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #:			
QUOTATION #: Q81056	PO #:	Email ☑ Fax ☐	
Email 1:	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑	

ALS WORK ORDER NUMBER: (Lab Use Only) L2662931

ENTERED BY: (Lab Use Only) G. Brown

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-190921	19-Sep	12:00	0641		AA	7.35	X	X									-10
SP1-PM10-190921	19-Sep	12:00	0642		AA	7.43			X								-11
SP1-PM2.5-190921	19-Sep	12:00	0643		AA	7.4				X							-12
SP1-TSP-250921	25-Sep	12:00	0625		AA	7.14	X	X				X					-13
SP1-PM10-250921	25-Sep	12:00	0626		AA	5.95			X								-14
SP1-PM2.5-250921	25-Sep	12:00	0651		AA	7.26				X							-15
SP1-TSP-011021	01-Oct	12:00	0627		AA	7.22	X	X									-16
SP1-PM10-011021	01-Oct	12:00	0628		AA	8.43			X								-17
SP1-PM2.5-011021	01-Oct	12:00	0629		AA	7.38				X							-18

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
RELINQUISHED BY: Mark Ridgway	DATE & TIME: 09-NOV-21 13:00	RECEIVED AT LAB BY:	DATE & TIME:

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

L2662931-COFC

AIR QUALITY TEST FORM

COC #

Page 3 of 6

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	Email 2: ryan.fletcher@woodplc.com		PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2662931

ENTERED BY: (Lab Use Only) G. Braun

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - m³ ☑ or L ☐	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-071021	07-Oct	12:00	0631		AA	5.96	X	X				x					-19
SP1-PM10-071021	07-Oct	12:00	0632		AA	6.47			X								-20
SP1-PM2.5-071021	07-Oct	12:00	0633		AA	4.86				X							-21
SP1-TSP-131021	13-Oct	12:00	0697		AA	7.02	X	X									-22
SP1-PM10-131021	13-Oct	12:00	0698		AA	7.27			X								-23
SP1-PM2.5-131021	13-Oct	12:00	0701		AA	7.14				X							-24
SP1-TSP-191021	19-Oct	12:00	0693		AA	7.07	X	X				x					-25
SP1-PM10-191021	19-Oct	12:00	0636		AA	13.1			X								-26
SP1-PM2.5-191021	19-Oct	12:00	0635		AA	7.12				X							-27

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME
RELINQUISHED BY: Mark Ridgway	DATE & TIME 09-Nov-21 13:00	RECEIVED AT LAB BY:	DATE & TIME

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

AIR QU L2662931 COFC EQUEST FORM

COC #
Page 4 of 6

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME: First Mining Gold		REGULATORY REQUIREMENT	
OFFICE:			
PROJECT MANAGER: Mark Ridgway		METHOD REQUIREMENT	
PROJECT #:			
PHONE:	FAX:	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #:			
QUOTATION #: Q81056	PO #:	Email ☑ Fax ☐	
Email 1:	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑	

ALS WORK ORDER NUMBER: (Lab Use Only) L2662931

ENTERED BY: (Lab Use Only) G. Braun

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-TSP-251021	25-Oct	12:00	0659		AA	7.04	X	X				X					-28
SP1-PM10-251021	25-Oct	12:00	0700		AA	7.04			X								-29
SP1-PM2.5-251021	25-Oct	12:00	0699		AA	7.02				X							-30
SP2-TSP-070921	07-Sep	12:00	741922		AA	1555	X	X									-31
SP2-TSP-130921	13-Sep	12:00	741923		AA	1558	X	X				X					-32
SP2-TSP-190921	19-Sep	12:00	741924		AA	1604	X	X									-33
SP2-TSP-250921	25-Sep	12:00	741927		AA	1589	X	X				X					-34
SP2-TSP-011021	01-Oct	12:00	741925		AA	1588	X	X									-35
SP2-TSP-071021	07-Oct	12:00	741926		AA	1599	X	X				X					-36

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)
☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT
MEAN TEMP

SAMPLED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
RELINQUISHED BY: Mark Ridgway	DATE & TIME: 09-Nov-21 13:00	RECEIVED AT LAB BY:	DATE & TIME:

SIF OBSERVATIONS: Yes ☐ No ☐
CUSTODY SEAL INTACT: Yes ☐ No ☐
INITIALS

L2662931-COFC

AIR QUALITY CHAIN OF CUSTODY FORM

COC # _____

Page 5 of 6

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME: First Mining Gold		REGULATORY REQUIREMENT	
OFFICE:			
PROJECT MANAGER: Mark Ridgway		METHOD REQUIREMENT	
PROJECT #:			
PHONE:	FAX:	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #:			
QUOTATION #: Q81056	PO #:	Email ☑ Fax ☐	
Email 1:	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑	

ALS WORK ORDER NUMBER: (Lab Use Only) L2662931

ENTERED BY: (Lab Use Only) G. Braun

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-010921	01-Sep	12:00	0380		AA	24			X								-37
SP2-PM10-070921	07-Sep	12:00	0648		AA	24			X								-38
SP2-PM10-130921	13-Sep	12:00	0649		AA	24			X								-39
SP2-PM10-190921	19-Sep	12:00	0650		AA	24			X								-40
SP2-PM10-250921	25-Sep	12:00	0652		AA	24			X								-41
SP2-PM10-011021	01-Oct	12:00	0630		AA	24			X								-42
SP2-PM10-071021	07-Oct	12:00	0634		AA	24			X								-43
SP2-PM10-131021	13-Oct	12:00	0660		AA	24			X								-44
SP2-PM10-191021	19-Oct	12:00	0637		AA	24			X								-45

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
RELINQUISHED BY: Mark Ridgway	DATE & TIME: 09-Nov-21 13:00	RECEIVED AT LAB BY:	DATE & TIME:

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

AIR QUALITY C L2662931-COFC **FORM**

COC #_____

Page 6 of 6

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

ALS WORK ORDER NUMBER (Lab Use Only): L2662931

ENTERED BY: (Lab Use Only): G. Braun

NOTES (Lab Use Only)

COMPANY NAME	First Mining Gold
OFFICE	
PROJECT MANAGER	Mark Ridgway
PROJECT #	
PHONE	FAX
ACCOUNT #	
QUOTATION #	Q81056
PO #	
Email 1	Email 2: ryan.fletcher@woodplc.com

REGULATORY REQUIREMENT

METHOD REQUIREMENT

REPORT FORMAT/DISTRIBUTION: Email ☑ Fax ☐ PDF ☑ EDD ☑

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-251021	25-Oct	12:00	0640		AA	24			X								-46

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY:	DATE & TIME
RELINQUISHED BY: Mark Ridgway	DATE & TIME: 09-Nov-21 13:00	RECEIVED AT LAB BY:	DATE & TIME

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 14-DEC-21
Report Date: 03-JAN-22 15:57 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2672608

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-1 SP1-TSP-311021 Sampled By: MR on 31-OCT-21 Matrix: AA									
Field Tests									
Air volume	7.11 m3	Air Conc.						16-DEC-21	R5681407
Air volume	7.11 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			10.5		2.1	ug/m3		21-DEC-21	R5682564
Total particulate			75		15	ug		21-DEC-21	R5682564
Total Metals									
Aluminum (Al)			<1.3		1.3	ug/m3	30-DEC-21	30-DEC-21	R5684312
Aluminum (Al)			<9.0		9.0	ug	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)			<0.035		0.035	ug/m3	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)			<0.25		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)			<0.42		0.42	ug/m3	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)			<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)			<0.070		0.070	ug/m3	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)			<0.50		0.50	ug	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)			<0.0070		0.0070	ug/m3	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)			<0.050		0.050	ug	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)			<0.25		0.25	ug/m3	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)			<1.8		1.8	ug	30-DEC-21	30-DEC-21	R5684312
Boron (B)			<2.1		2.1	ug/m3	30-DEC-21	30-DEC-21	R5684312
Boron (B)			<15		15	ug	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)			<0.0038		0.0038	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)			<0.027		0.027	ug	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)			<0.48		0.48	ug/m3	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)			<3.4		3.4	ug	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)			<0.0042		0.0042	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)			<0.030		0.030	ug	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)			<0.14		0.14	ug/m3	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)			<1.0		1.0	ug	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)			<1.7		1.7	ug/m3	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)			<12		12	ug	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)			<0.017		0.017	ug/m3	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)			<0.12		0.12	ug	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)			<8.4		8.4	ug/m3	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)			<60		60	ug	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)			<0.063		0.063	ug/m3	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)			<0.45		0.45	ug	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)			<0.051		0.051	ug/m3	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)			<0.36		0.36	ug	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)			<0.035		0.035	ug/m3	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)			<0.25		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)			<110		110	ug/m3	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)			<750		750	ug	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)			<0.18		0.18	ug/m3	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)			<1.3		1.3	ug	30-DEC-21	30-DEC-21	R5684312

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-1	SP1-TSP-311021								
Sampled By:	MR on 31-OCT-21								
Matrix:	AA								
Total Metals									
Silver (Ag)			<0.013		0.013	ug/m3	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)			<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)			<0.42		0.42	ug/m3	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)			<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)			<0.013		0.013	ug/m3	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)			<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)			<0.084		0.084	ug/m3	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)			<0.60		0.60	ug	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)			<1.5		1.5	ug/m3	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)			<11		11	ug	30-DEC-21	30-DEC-21	R5684312
Uranium (U)			<0.00084		0.00084	ug/m3	30-DEC-21	30-DEC-21	R5684312
Uranium (U)			<0.0060		0.0060	ug	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)			<0.70		0.70	ug/m3	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)			<5.0		5.0	ug	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)			<0.63		0.63	ug/m3	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)			<4.5		4.5	ug	30-DEC-21	30-DEC-21	R5684312
Extractable Metals									
Mercury (Hg)			<0.0014		0.0014	ug/m3	30-DEC-21	31-DEC-21	R5684567
Mercury (Hg)			<0.010		0.010	ug	30-DEC-21	31-DEC-21	R5684567
L2672608-2	SP1-PM10-311021								
Sampled By:	MR on 31-OCT-21								
Matrix:	AA								
Field Tests									
Air volume	7.3 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			3.4		2.1	ug/m3		21-DEC-21	R5682564
Total particulate			25		15	ug		21-DEC-21	R5682564
L2672608-3	SP1-PM2.5-311021								
Sampled By:	MR on 31-OCT-21								
Matrix:	AA								
Field Tests									
Air volume	7.35 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			N/A		2.0	ug/m3		21-DEC-21	R5682564
Total particulate			N/A	NDIS	15	ug		21-DEC-21	R5682564
Report Remarks : Sample shows signs of damage, sustained prior to submission. Data is not detect due to matrix loss. PE 23-Dec-21									
L2672608-4	SP1-TSP-061121								
Sampled By:	MR on 06-NOV-21								
Matrix:	AA								
Field Tests									
Air volume	6.42 m3	Air Conc.						16-DEC-21	R5681407
Air volume	6.42 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			N/A		2.3	ug/m3		21-DEC-21	R5682564
Total particulate			N/A	NDIS	15	ug		21-DEC-21	R5682564
Total Metals									

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-4 SP1-TSP-061121 Sampled By: MR on 06-NOV-21 Matrix: AA							
Total Metals							
Aluminum (Al)	<1.4		1.4	ug/m3	30-DEC-21	30-DEC-21	R5684312
Aluminum (Al)	<9.0		9.0	ug	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)	<0.039		0.039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)	<0.25		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)	<0.47		0.47	ug/m3	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)	<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)	<0.078		0.078	ug/m3	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)	<0.50		0.50	ug	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)	<0.0078		0.0078	ug/m3	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)	<0.050		0.050	ug	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)	<0.28		0.28	ug/m3	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)	<1.8		1.8	ug	30-DEC-21	30-DEC-21	R5684312
Boron (B)	<2.3		2.3	ug/m3	30-DEC-21	30-DEC-21	R5684312
Boron (B)	<15		15	ug	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)	<0.0042		0.0042	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)	<0.027		0.027	ug	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)	<0.53		0.53	ug/m3	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)	<3.4		3.4	ug	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)	<0.0047		0.0047	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)	<0.030		0.030	ug	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)	<0.16		0.16	ug/m3	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)	<1.0		1.0	ug	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)	<1.9		1.9	ug/m3	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)	<12		12	ug	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)	<0.019		0.019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)	<0.12		0.12	ug	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)	<9.3		9.3	ug/m3	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)	<60		60	ug	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)	<0.070		0.070	ug/m3	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)	<0.45		0.45	ug	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)	<0.056		0.056	ug/m3	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)	<0.36		0.36	ug	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)	0.041		0.039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)	0.26		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)	<120		120	ug/m3	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)	<750		750	ug	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)	<0.20		0.20	ug/m3	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)	<1.3		1.3	ug	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)	<0.014		0.014	ug/m3	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)	<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)	<0.47		0.47	ug/m3	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)	<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)	<0.014		0.014	ug/m3	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)	<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-4	SP1-TSP-061121								
Sampled By:	MR on 06-NOV-21								
Matrix:	AA								
Total Metals									
Tin (Sn)			<0.093		0.093	ug/m3	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)			<0.60		0.60	ug	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)			<1.7		1.7	ug/m3	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)			<11		11	ug	30-DEC-21	30-DEC-21	R5684312
Uranium (U)			<0.00093		0.00093	ug/m3	30-DEC-21	30-DEC-21	R5684312
Uranium (U)			<0.0060		0.0060	ug	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)			<0.78		0.78	ug/m3	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)			<5.0		5.0	ug	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)			<0.70		0.70	ug/m3	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)			<4.5		4.5	ug	30-DEC-21	30-DEC-21	R5684312
Extractable Metals									
Mercury (Hg)			<0.0016		0.0016	ug/m3	30-DEC-21	31-DEC-21	R5684567
Mercury (Hg)			<0.010		0.010	ug	30-DEC-21	31-DEC-21	R5684567
Report Remarks : Sample shows signs of damage, sustained prior to submission. Data is not detect due to matrix loss. PE 23-Dec-21									
L2672608-5	SP1-PM10-061121								
Sampled By:	MR on 06-NOV-21								
Matrix:	AA								
Field Tests									
Air volume		9.97 m3	Air Conc.					14-DEC-21	R5681609
Particulates									
Total particulate			1.5		1.5	ug/m3		21-DEC-21	R5682564
Total particulate			15		15	ug		21-DEC-21	R5682564
L2672608-6	SP1-PM2.5-061121								
Sampled By:	MR on 06-NOV-21								
Matrix:	AA								
Field Tests									
Air volume		8.77 m3	Air Conc.					14-DEC-21	R5681609
Particulates									
Total particulate			2.1		1.7	ug/m3		21-DEC-21	R5682564
Total particulate			18		15	ug		21-DEC-21	R5682564
L2672608-7	SP1-TSP-181121								
Sampled By:	MR on 18-NOV-21								
Matrix:	AA								
Field Tests									
Air volume		.58 m3	Air Conc.					14-DEC-21	R5681609
Particulates									
Total particulate			43		26	ug/m3		21-DEC-21	R5682564
Total particulate			25		15	ug		21-DEC-21	R5682564
L2672608-8	SP1-PM10-181121								
Sampled By:	MR on 18-NOV-21								
Matrix:	AA								
Field Tests									
Air volume		7.22 m3	Air Conc.					14-DEC-21	R5681609
Particulates									
Total particulate			13.9		2.1	ug/m3		21-DEC-21	R5682564
Total particulate			100		15	ug		21-DEC-21	R5682564

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-8	SP1-PM10-181121								
Sampled By:	MR on 18-NOV-21								
Matrix:	AA								
Particulates									
L2672608-9	SP1-PM2.5-181121								
Sampled By:	MR on 18-NOV-21								
Matrix:	AA								
Field Tests									
Air volume	7.05 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			<2.1		2.1	ug/m3		21-DEC-21	R5682564
Total particulate			<15		15	ug		21-DEC-21	R5682564
L2672608-10	SP2-TSP-061121								
Sampled By:	MR on 06-NOV-21								
Matrix:	AA								
Field Tests									
Air volume	1598 m3	Air Conc.						16-DEC-21	R5681407
Particulates									
Total particulate			16.6		0.063	ug/m3		30-DEC-21	R5684073
Total particulate			26500		100	ug		30-DEC-21	R5684073
Total Metals									
Aluminum (Al)			0.0949		0.0056	ug/m3	30-DEC-21	30-DEC-21	R5684312
Aluminum (Al)			152		9.0	ug	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)			0.00111		0.00016	ug/m3	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)			1.77		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)			<0.0019		0.0019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)			<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)			0.00335		0.00031	ug/m3	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)			5.36		0.50	ug	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)			<0.000031		0.000031	ug/m3	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)			<0.050		0.050	ug	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)			<0.0011		0.0011	ug/m3	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)			<1.8		1.8	ug	30-DEC-21	30-DEC-21	R5684312
Boron (B)			<0.0094		0.0094	ug/m3	30-DEC-21	30-DEC-21	R5684312
Boron (B)			<15		15	ug	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)			0.000129		0.000017	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)			0.207		0.027	ug	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)			<0.0021		0.0021	ug/m3	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)			<3.4		3.4	ug	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)			0.000074		0.000019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)			0.118		0.030	ug	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)			0.0467		0.00063	ug/m3	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)			74.7		1.0	ug	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)			0.137		0.0075	ug/m3	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)			219		12	ug	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)			0.000873		0.000075	ug/m3	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)			1.40		0.12	ug	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)			0.089		0.038	ug/m3	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)			142		60	ug	30-DEC-21	30-DEC-21	R5684312

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-10 SP2-TSP-061121 Sampled By: MR on 06-NOV-21 Matrix: AA							
Total Metals							
Manganese (Mn)	0.00496		0.00028	ug/m3	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)	7.92		0.45	ug	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)	0.00355		0.00023	ug/m3	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)	5.67		0.36	ug	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)	0.00091		0.00016	ug/m3	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)	1.45		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)	<0.47		0.47	ug/m3	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)	<750		750	ug	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)	<0.00081		0.00081	ug/m3	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)	<1.3		1.3	ug	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)	<0.000056		0.000056	ug/m3	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)	<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)	<0.0019		0.0019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)	<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)	<0.000056		0.000056	ug/m3	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)	<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)	0.00040		0.00038	ug/m3	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)	0.64		0.60	ug	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)	<0.0069		0.0069	ug/m3	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)	<11		11	ug	30-DEC-21	30-DEC-21	R5684312
Uranium (U)	0.0000115		0.0000038	ug/m3	30-DEC-21	30-DEC-21	R5684312
Uranium (U)	0.0184		0.0060	ug	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)	<0.0031		0.0031	ug/m3	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)	<5.0		5.0	ug	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)	0.0191		0.0028	ug/m3	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)	30.6		4.5	ug	30-DEC-21	30-DEC-21	R5684312
Extractable Metals							
Mercury (Hg)	<0.0000063		0.0000063	ug/m3	30-DEC-21	31-DEC-21	R5684567
Mercury (Hg)	<0.010		0.010	ug	30-DEC-21	31-DEC-21	R5684567
L2672608-11 SP2-TSP-181121 Sampled By: MR on 18-NOV-21 Matrix: AA							
Field Tests							
Air volume 1556 m3 Air Conc.						16-DEC-21	R5681407
Particulates							
Total particulate	1.48		0.064	ug/m3		30-DEC-21	R5684073
Total particulate	2300		100	ug		30-DEC-21	R5684073
Total Metals							
Aluminum (Al)	0.0390		0.0058	ug/m3	30-DEC-21	30-DEC-21	R5684312
Aluminum (Al)	60.8		9.0	ug	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)	<0.00016		0.00016	ug/m3	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)	<0.25		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)	<0.0019		0.0019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)	<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)	0.00189		0.00032	ug/m3	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)	2.94		0.50	ug	30-DEC-21	30-DEC-21	R5684312

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-11 SP2-TSP-181121 Sampled By: MR on 18-NOV-21 Matrix: AA							
Total Metals							
Beryllium (Be)	<0.000032		0.000032	ug/m3	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)	<0.050		0.050	ug	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)	<0.0012		0.0012	ug/m3	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)	<1.8		1.8	ug	30-DEC-21	30-DEC-21	R5684312
Boron (B)	<0.0096		0.0096	ug/m3	30-DEC-21	30-DEC-21	R5684312
Boron (B)	<15		15	ug	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)	0.000104		0.000017	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)	0.162		0.027	ug	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)	<0.0022		0.0022	ug/m3	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)	<3.4		3.4	ug	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)	0.000043		0.000019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)	0.067		0.030	ug	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)	0.0286		0.00064	ug/m3	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)	44.5		1.0	ug	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)	0.0879		0.0077	ug/m3	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)	137		12	ug	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)	0.000471		0.000077	ug/m3	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)	0.73		0.12	ug	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)	0.061		0.039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)	95		60	ug	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)	0.00373		0.00029	ug/m3	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)	5.81		0.45	ug	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)	0.00168		0.00023	ug/m3	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)	2.61		0.36	ug	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)	0.00062		0.00016	ug/m3	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)	0.96		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)	<0.48		0.48	ug/m3	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)	<750		750	ug	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)	<0.00084		0.00084	ug/m3	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)	<1.3		1.3	ug	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)	<0.000058		0.000058	ug/m3	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)	<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)	<0.0019		0.0019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)	<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)	<0.000058		0.000058	ug/m3	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)	<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)	0.00057		0.00039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)	0.89		0.60	ug	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)	<0.0071		0.0071	ug/m3	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)	<11		11	ug	30-DEC-21	30-DEC-21	R5684312
Uranium (U)	0.0000039		0.0000039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Uranium (U)	0.0061		0.0060	ug	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)	<0.0032		0.0032	ug/m3	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)	<5.0		5.0	ug	30-DEC-21	30-DEC-21	R5684312

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-11 SP2-TSP-181121 Sampled By: MR on 18-NOV-21 Matrix: AA									
Total Metals									
Zinc (Zn)			0.0051		0.0029	ug/m3	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)			8.0		4.5	ug	30-DEC-21	30-DEC-21	R5684312
Extractable Metals									
Mercury (Hg)			<0.0000064		0.0000064	ug/m3	30-DEC-21	31-DEC-21	R5684567
Mercury (Hg)			<0.010		0.010	ug	30-DEC-21	31-DEC-21	R5684567
L2672608-12 SP2-TSP-241121 Sampled By: MR on 24-NOV-21 Matrix: AA									
Field Tests									
Air volume	1544 m3	Air Conc.						16-DEC-21	R5681407
Particulates									
Total particulate			<0.065		0.065	ug/m3		30-DEC-21	R5684073
Total particulate			<100		100	ug		30-DEC-21	R5684073
Total Metals									
Aluminum (Al)			0.0195		0.0058	ug/m3	30-DEC-21	30-DEC-21	R5684312
Aluminum (Al)			30.1		9.0	ug	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)			0.00023		0.00016	ug/m3	30-DEC-21	30-DEC-21	R5684312
Antimony (Sb)			0.36		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)			<0.0019		0.0019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Arsenic (As)			<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)			0.00168		0.00032	ug/m3	30-DEC-21	30-DEC-21	R5684312
Barium (Ba)			2.60		0.50	ug	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)			<0.000032		0.000032	ug/m3	30-DEC-21	30-DEC-21	R5684312
Beryllium (Be)			<0.050		0.050	ug	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)			<0.0012		0.0012	ug/m3	30-DEC-21	30-DEC-21	R5684312
Bismuth (Bi)			<1.8		1.8	ug	30-DEC-21	30-DEC-21	R5684312
Boron (B)			<0.0097		0.0097	ug/m3	30-DEC-21	30-DEC-21	R5684312
Boron (B)			<15		15	ug	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)			0.000075		0.000017	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cadmium (Cd)			0.115		0.027	ug	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)			<0.0022		0.0022	ug/m3	30-DEC-21	30-DEC-21	R5684312
Chromium (Cr)			<3.4		3.4	ug	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)			0.000023		0.000019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Cobalt (Co)			0.035		0.030	ug	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)			0.0141		0.00065	ug/m3	30-DEC-21	30-DEC-21	R5684312
Copper (Cu)			21.7		1.0	ug	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)			0.0632		0.0078	ug/m3	30-DEC-21	30-DEC-21	R5684312
Iron (Fe)			98		12	ug	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)			0.000306		0.000078	ug/m3	30-DEC-21	30-DEC-21	R5684312
Lead (Pb)			0.47		0.12	ug	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)			0.045		0.039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Magnesium (Mg)			70		60	ug	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)			0.00196		0.00029	ug/m3	30-DEC-21	30-DEC-21	R5684312
Manganese (Mn)			3.03		0.45	ug	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)			0.00097		0.00023	ug/m3	30-DEC-21	30-DEC-21	R5684312
Molybdenum (Mo)			1.50		0.36	ug	30-DEC-21	30-DEC-21	R5684312

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-12 SP2-TSP-241121 Sampled By: MR on 24-NOV-21 Matrix: AA									
Total Metals									
Nickel (Ni)			0.00050		0.00016	ug/m3	30-DEC-21	30-DEC-21	R5684312
Nickel (Ni)			0.77		0.25	ug	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)			<0.49		0.49	ug/m3	30-DEC-21	30-DEC-21	R5684312
Phosphorus (P)			<750		750	ug	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)			<0.00084		0.00084	ug/m3	30-DEC-21	30-DEC-21	R5684312
Selenium (Se)			<1.3		1.3	ug	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)			<0.000058		0.000058	ug/m3	30-DEC-21	30-DEC-21	R5684312
Silver (Ag)			<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)			<0.0019		0.0019	ug/m3	30-DEC-21	30-DEC-21	R5684312
Strontium (Sr)			<3.0		3.0	ug	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)			<0.000058		0.000058	ug/m3	30-DEC-21	30-DEC-21	R5684312
Thallium (Tl)			<0.090		0.090	ug	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)			<0.00039		0.00039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Tin (Sn)			<0.60		0.60	ug	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)			<0.0071		0.0071	ug/m3	30-DEC-21	30-DEC-21	R5684312
Titanium (Ti)			<11		11	ug	30-DEC-21	30-DEC-21	R5684312
Uranium (U)			<0.0000039		0.0000039	ug/m3	30-DEC-21	30-DEC-21	R5684312
Uranium (U)			<0.0060		0.0060	ug	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)			<0.0032		0.0032	ug/m3	30-DEC-21	30-DEC-21	R5684312
Vanadium (V)			<5.0		5.0	ug	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)			0.0037		0.0029	ug/m3	30-DEC-21	30-DEC-21	R5684312
Zinc (Zn)			5.7		4.5	ug	30-DEC-21	30-DEC-21	R5684312
Extractable Metals									
Mercury (Hg)			<0.0000065		0.0000065	ug/m3	30-DEC-21	31-DEC-21	R5684567
Mercury (Hg)			<0.010		0.010	ug	30-DEC-21	31-DEC-21	R5684567
L2672608-13 SP2-PM10-311021 Sampled By: MR on 31-OCT-21 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			2.50		0.63	ug/m3		21-DEC-21	R5682564
Total particulate			60		15	ug		21-DEC-21	R5682564
L2672608-14 SP2-PM10-061121 Sampled By: MR on 06-NOV-21 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			3.79		0.63	ug/m3		21-DEC-21	R5682564
Total particulate			91		15	ug		21-DEC-21	R5682564
L2672608-15 SP2-PM10-121121 Sampled By: MR on 12-NOV-21 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						14-DEC-21	R5681609

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2672608-15 SP2-PM10-121121 Sampled By: MR on 12-NOV-21 Matrix: AA									
Field Tests									
Particulates									
Total particulate			N/A		0.63	ug/m3		21-DEC-21	R5682564
Total particulate			N/A	NDIS	15	ug		21-DEC-21	R5682564
Report Remarks : Sample shows signs of damage, sustained prior to submission. Data is not detect due to matrix loss. PE 23-Dec-21									
L2672608-16 SP2-PM10-241121 Sampled By: MR on 23-NOV-21 Matrix: AA									
Field Tests									
Air volume	24 m3	Air Conc.						14-DEC-21	R5681609
Particulates									
Total particulate			N/A		0.63	ug/m3		21-DEC-21	R5682564
Total particulate			N/A	NDIS	15	ug		21-DEC-21	R5682564
Report Remarks : Sample shows signs of damage, sustained prior to submission. Data is not detect due to matrix loss. PE 23-Dec-21									

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Method Blank	Lead (Pb)	A	L2672608-1, -10, -11, -12, -4
Comments:	Pb observed in the MB at a level above its LOR. Data for this analyte may be biased as a result of this background contribution. PE 31-Dec-21		
Duplicate	Copper (Cu)	G	L2672608-1, -10, -11, -12, -4
Comments:	Cu, Cd, and Mn RPDs are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 31-Dec-21		
Duplicate	Manganese (Mn)	G	L2672608-1, -10, -11, -12, -4
Comments:	Cu, Cd, and Mn RPDs are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 31-Dec-21		
Matrix Spike	Thallium (Tl)	G	L2672608-1, -10, -11, -12, -4
Comments:	Tl recovery in the MS is outside ALS DQOs. This analyte can sometimes show an overall low bias due to matrix interference. Sample data for Tl is likely to be similarly biased low. PE 31-Dec-21		
Duplicate	Cadmium (Cd)	J,G	L2672608-1, -10, -11, -12, -4
Comments:	Cu, Cd, and Mn RPDs are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 31-Dec-21		
Matrix Spike	Aluminum (Al)	MS-B	L2672608-1, -10, -11, -12, -4
Comments:	Tl recovery in the MS is outside ALS DQOs. This analyte can sometimes show an overall low bias due to matrix interference. Sample data for Tl is likely to be similarly biased low. PE 31-Dec-21		
Matrix Spike	Copper (Cu)	MS-B	L2672608-1, -10, -11, -12, -4
Comments:	Tl recovery in the MS is outside ALS DQOs. This analyte can sometimes show an overall low bias due to matrix interference. Sample data for Tl is likely to be similarly biased low. PE 31-Dec-21		

Sample Parameter Qualifier key listed:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
NDIS	No Data: Insufficient Sample
NDIS	No Data: Insufficient Sample

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
HG-IO3.5-CVAA-BU	Filter	Mercury on High Volume Filter by CVAA	USEPA Method IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the CVAA instrument for analysis.			
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.			
PART-HIVOL-GRAV-BU	Filter	Particulate on High Volume Filter	USEPA IO3.1
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12
The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Reference Information

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-IO3.5-CVAA-BU	**Filter**							
Batch R5684567								
WG3680830-3 DUP		**L2672608-10**						
Mercury (Hg)		<0.010	0.0063		ug	15	20	31-DEC-21
WG3680830-2 LCS								
Mercury (Hg)			95.0		ug		70-130	31-DEC-21
WG3680830-1 MB								
Mercury (Hg)			<0.0050		ug		0.005	31-DEC-21
WG3680830-4 MS		**L2672608-10**						
Mercury (Hg)			91.0		ug		70-130	31-DEC-21
MET-IO3.5-MS-BU	**Filter**							
Batch R5684312								
WG3680830-3 DUP		**L2672608-10**						
Silver (Ag)		<0.090	<0.090	RPD-NA	ug	N/A	20	30-DEC-21
Aluminum (Al)		152	129		ug	16	20	30-DEC-21
Arsenic (As)		<3.0	<3.0	RPD-NA	ug	N/A	20	30-DEC-21
Barium (Ba)		5.36	5.27		ug	1.7	20	30-DEC-21
Beryllium (Be)		<0.050	<0.050	RPD-NA	ug	N/A	20	30-DEC-21
Cadmium (Cd)		0.207	0.145	J,G	ug	0.061	0.054	30-DEC-21
Cobalt (Co)		0.118	0.100		ug	17	20	30-DEC-21
Chromium (Cr)		<3.4	<3.4	RPD-NA	ug	N/A	20	30-DEC-21
Copper (Cu)		74.7	60.8	G	ug	21	20	30-DEC-21
Iron (Fe)		219	194		ug	12	25	30-DEC-21
Magnesium (Mg)		142	104	J	ug	39	120	30-DEC-21
Manganese (Mn)		7.92	5.54	G	ug	35	20	30-DEC-21
Molybdenum (Mo)		5.67	5.36		ug	5.7	20	30-DEC-21
Nickel (Ni)		1.45	1.08	J	ug	0.38	0.5	30-DEC-21
Lead (Pb)		1.40	1.32		ug	5.3	20	30-DEC-21
Antimony (Sb)		1.77	1.29	J	ug	0.48	0.5	30-DEC-21
Selenium (Se)		<1.3	<1.3	RPD-NA	ug	N/A	20	30-DEC-21
Thallium (Tl)		<0.090	<0.090	RPD-NA	ug	N/A	20	30-DEC-21
Uranium (U)		0.0184	0.0122	J	ug	0.0063	0.012	30-DEC-21
Vanadium (V)		<5.0	<5.0	RPD-NA	ug	N/A	20	30-DEC-21
Zinc (Zn)		30.6	22.9	J	ug	7.7	9	30-DEC-21
Bismuth (Bi)		<1.8	<1.8	RPD-NA	ug	N/A	25	30-DEC-21
Boron (B)		<15	<15	RPD-NA	ug	N/A	25	30-DEC-21
Phosphorus (P)		<750	<750	RPD-NA	ug	N/A	25	30-DEC-21
Strontium (Sr)		<3.0	<3.0	RPD-NA	ug	N/A	25	30-DEC-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5684312								
WG3680830-3 DUP		**L2672608-10**						
Tin (Sn)		0.64	<0.60	RPD-NA	ug	N/A	25	30-DEC-21
Titanium (Ti)		<11	<11	RPD-NA	ug	N/A	25	30-DEC-21
COMMENTS: Cu, Cd, and Mn RPDs are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 31-Dec-21								
WG3680830-2 LCS								
Silver (Ag)			94.8		%		70-130	30-DEC-21
Aluminum (Al)			90.5		%		70-130	30-DEC-21
Arsenic (As)			99.2		%		80-120	30-DEC-21
Barium (Ba)			95.6		%		70-130	30-DEC-21
Beryllium (Be)			95.2		%		70-130	30-DEC-21
Cadmium (Cd)			101.6		%		80-120	30-DEC-21
Cobalt (Co)			99.7		%		80-120	30-DEC-21
Chromium (Cr)			102.0		%		80-120	30-DEC-21
Copper (Cu)			104.0		%		80-120	30-DEC-21
Iron (Fe)			101.0		%		80-120	30-DEC-21
Magnesium (Mg)			99.6		%		70-130	30-DEC-21
Manganese (Mn)			98.7		%		80-120	30-DEC-21
Molybdenum (Mo)			89.4		%		70-130	30-DEC-21
Nickel (Ni)			101.0		%		80-120	30-DEC-21
Lead (Pb)			94.1		%		80-120	30-DEC-21
Antimony (Sb)			88.0		%		80-120	30-DEC-21
Selenium (Se)			103.0		%		80-120	30-DEC-21
Thallium (Tl)			88.8		%		70-130	30-DEC-21
Uranium (U)			91.3		%		70-130	30-DEC-21
Vanadium (V)			102.0		%		80-120	30-DEC-21
Zinc (Zn)			99.0		%		80-120	30-DEC-21
Bismuth (Bi)			92.6		%		70-130	30-DEC-21
Boron (B)			94.1		%		70-130	30-DEC-21
Phosphorus (P)			101.2		%		70-130	30-DEC-21
Strontium (Sr)			91.2		%		70-130	30-DEC-21
Tin (Sn)			98.4		%		70-130	30-DEC-21
Titanium (Ti)			94.7		%		70-130	30-DEC-21
WG3680830-1 MB								
Silver (Ag)			<0.090		ug		0.09	30-DEC-21
Aluminum (Al)			<9.0		ug		9	30-DEC-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5684312								
WG3680830-1 MB								
Arsenic (As)			<3.0		ug		3	30-DEC-21
Barium (Ba)			<0.50		ug		0.5	30-DEC-21
Beryllium (Be)			<0.050		ug		0.05	30-DEC-21
Cadmium (Cd)			<0.027		ug		0.027	30-DEC-21
Cobalt (Co)			<0.030		ug		0.03	30-DEC-21
Chromium (Cr)			<3.4		ug		3.4	30-DEC-21
Copper (Cu)			<1.0		ug		1	30-DEC-21
Iron (Fe)			<12		ug		12	30-DEC-21
Magnesium (Mg)			<60		ug		60	30-DEC-21
Manganese (Mn)			<0.45		ug		0.45	30-DEC-21
Molybdenum (Mo)			<0.36		ug		0.36	30-DEC-21
Nickel (Ni)			<0.25		ug		0.25	30-DEC-21
Lead (Pb)			0.14	A	ug		0.12	30-DEC-21
Antimony (Sb)			<0.25		ug		0.25	30-DEC-21
Selenium (Se)			<1.3		ug		1.25	30-DEC-21
Thallium (Tl)			<0.090		ug		0.09	30-DEC-21
Uranium (U)			<0.0060		ug		0.006	30-DEC-21
Vanadium (V)			<5.0		ug		10	30-DEC-21
Zinc (Zn)			<4.5		ug		4.5	30-DEC-21
Bismuth (Bi)			<1.8		ug		1.8	30-DEC-21
Boron (B)			<15		ug		15	30-DEC-21
Phosphorus (P)			<750		ug		750	30-DEC-21
Strontium (Sr)			<3.0		ug		3	30-DEC-21
Tin (Sn)			<0.60		ug		0.6	30-DEC-21
Titanium (Ti)			<11		ug		10.5	30-DEC-21
COMMENTS: Pb observed in the MB at a level above its LOR. Data for this analyte may be biased as a result of this background contribution. PE 31-Dec-21								
WG3680830-4 MS		**L2672608-10**						
Silver (Ag)			102.4		%		75-125	30-DEC-21
Aluminum (Al)			N/A	MS-B	%		-	30-DEC-21
Arsenic (As)			98.7		%		75-125	30-DEC-21
Barium (Ba)			99.1		%		75-125	30-DEC-21
Beryllium (Be)			99.5		%		75-125	30-DEC-21
Cadmium (Cd)			104.9		%		75-125	30-DEC-21
Cobalt (Co)			101.7		%		75-125	30-DEC-21

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5684312								
WG3680830-4 MS		**L2672608-10**						
Chromium (Cr)			104.7		%		75-125	30-DEC-21
Copper (Cu)			N/A	MS-B	%		-	30-DEC-21
Iron (Fe)			108.8		%		75-125	30-DEC-21
Magnesium (Mg)			101.4		%		75-125	30-DEC-21
Manganese (Mn)			97.4		%		75-125	30-DEC-21
Molybdenum (Mo)			112.4		%		75-125	30-DEC-21
Nickel (Ni)			100.8		%		75-125	30-DEC-21
Lead (Pb)			104.9		%		75-125	30-DEC-21
Antimony (Sb)			92.9		%		75-125	30-DEC-21
Selenium (Se)			105.6		%		75-125	30-DEC-21
Thallium (Tl)			69.5	G	%		75-125	30-DEC-21
Uranium (U)			97.7		%		75-125	30-DEC-21
Vanadium (V)			103.8		%		75-125	30-DEC-21
Zinc (Zn)			102.6		%		75-125	30-DEC-21
Bismuth (Bi)			101.9		%		75-125	30-DEC-21
Boron (B)			101.7		%		75-125	30-DEC-21
Phosphorus (P)			98.8		%		75-125	30-DEC-21
Strontium (Sr)			97.6		%		75-125	30-DEC-21
Tin (Sn)			100.1		%		75-125	30-DEC-21
Titanium (Ti)			90.7		%		75-125	30-DEC-21
COMMENTS: Tl recovery in the MS is outside ALS DQOs. This analyte can sometimes show an overall low bias due to matrix interference. Sample data for Tl is likely to be similarly biased low. PE 31-Dec-21								
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5684073								
WG3680699-4 DUP		**L2672608-10**						
Total particulate		26500	26700		ug	0.8	5	30-DEC-21
WG3680699-1 MB								
Total particulate			<100		ug		100	30-DEC-21
PART-M212 F-GRAV-BU	**Filter**							
Batch R5682564								
WG3679079-2 DUP		**L2672608-1**						
Total particulate		75	76		ug	1.3	10	21-DEC-21
WG3679079-1 MB								
Total particulate			<15		ug		15	21-DEC-21
WG3679079-3 MB								

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-M212 F-GRAV-BU	**Filter**							
Batch R5682564								
WG3679079-3 MB								
Total particulate			<15		ug		15	21-DEC-21

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
J	Duplicate results and limits are expressed in terms of absolute difference.
J,G	QC result did not meet ALS DQO. Refer to narrative comments for further information. Duplicate expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time		Canister or Tube ID#	Regulator Serial #	Matrix Type	ANALYSIS REQUEST										Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
	Date (dd-mmm-yy)	Time (24hr) (hh:mm)				AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME		
SP1-TSP-311021	31-Oct	12:00	0656		AA	7.11	X	X				x					
SP1-PM10-311021	31-Oct	12:00	0658		AA	7.3			X								
SP1-PM2.5-311021	31-Oct	12:00	0657		AA	7.35				X							
SP1-TSP-061121	06-Nov	12:00	0716		AA	6.42						x					
SP1-PM10-061121	06-Nov	12:00	0714		AA	9.97			X		x						
SP1-PM2.5-061121	06-Nov	12:00	0703		AA	8.77				X							
SP1-TSP-181121	18-Nov	12:00	0712		AA	0.58					x						
SP1-PM10-181121	18-Nov	12:00	0713		AA	7.22			X								
SP1-PM2.5-181121	18-Nov	12:00	0702		AA	7.05				X							

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☑ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP: 5.1

SAMPLED BY: Mark Ridgway	DATE & TIME Dec 9/21 12:00	RECEIVED BY:	DATE & TIME
RELINQUISHED BY: MR	DATE & TIME	RECEIVED AT LAB BY: AJ	DATE & TIME 12/09/21 4:24 PM

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

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Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ANALYSIS REQUEST

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-TSP-061121	06-Nov	12:00	742069		AA	1598	X	X				X					
SP2-TSP-181121	18-Nov	12:00	742070		AA	1556	X	X				X					
SP2-TSP-241121	24-Nov	12:00	742071		AA	1544	X	X				X					

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☑ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP: 5.1

SAMPLED BY: Mark Ridgway	DATE & TIME Dec 9/21 12:00	RECEIVED BY:	DATE & TIME
RELINQUISHED BY: MK	DATE & TIME	RECEIVED AT LAB BY: AJ	DATE & TIME 12/09/21 4:24 PM

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-311021	31-Oct	12:00	0576		AA	24			X								
SP2-PM10-061121	06-Nov	12:00	0704		AA	24			X								
SP2-PM10-121121	12-Nov	12:00	0715		AA	24			X								
SP2-PM10-241121	23-Nov	12:00	0710		AA	24			X								

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☑ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP: 5.1

SAMPLED BY: Mark Ridgway	DATE & TIME: Dec 9/21	RECEIVED BY:	DATE & TIME	SIF OBSERVATIONS: Yes ☐ No ☐	INITIALS
RELINQUISHED BY:	DATE & TIME: 12:00	RECEIVED AT LAB BY: AJ	DATE & TIME: 12 10 9 12 1	CUSTODY SEAL INTACT: Yes ☐ No ☐	

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 08-FEB-22
Report Date: 28-FEB-22 16:05 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2684766

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-1 SP2-PM10-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<0.63		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			<15		15	ug		08-FEB-22	R5729941
Report Remarks : Sample shows signs of damage, sustained prior to submission to the laboratory. Analytical result is significantly <LOR and is likely biased. PE 28-Feb-22									
L2684766-2 SP2-PM10-06-12-21 Sampled By: Client on 06-DEC-21 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			5.38		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			129		15	ug		08-FEB-22	R5729941
L2684766-3 SP2-PM10-12-12-21 Sampled By: Client on 12-DEC-21 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			1.75		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			42		15	ug		08-FEB-22	R5729941
L2684766-4 SP2-PM10-18-12-21 Sampled By: Client on 18-DEC-21 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			3.63		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			87		15	ug		08-FEB-22	R5729941
L2684766-5 SP2-PM10-24-12-21 Sampled By: Client on 24-DEC-21 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			2.46		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			59		15	ug		08-FEB-22	R5729941
L2684766-6 SP2-PM10-30-12-21 Sampled By: Client on 30-DEC-21 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<4.2		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			<100		15	ug		08-FEB-22	R5729941

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-6 SP2-PM10-30-12-21 Sampled By: Client on 30-DEC-21 Matrix: 47mm Filter									
Particulates									
L2684766-7 SP2-PM10-06-01-22 Sampled By: Client on 06-JAN-22 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<4.2		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			<100		15	ug		08-FEB-22	R5729941
L2684766-8 SP2-PM10-12-01-22 Sampled By: Client on 12-JAN-22 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<4.2		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			<100		15	ug		08-FEB-22	R5729941
L2684766-9 SP2-PM10-18-01-22 Sampled By: Client on 18-JAN-22 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<4.2		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			<100		15	ug		08-FEB-22	R5729941
L2684766-10 SP2-PM10-24-01-22 Sampled By: Client on 24-JAN-22 Matrix: 47mm Filter									
Field Tests									
Air volume	24 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<4.2		0.63	ug/m3		08-FEB-22	R5729941
Total particulate			<100		15	ug		08-FEB-22	R5729941
Report Remarks : Samples L2684766-6 through -10 were tare-weighted on a 4-place balance, instead of the usual 6-place balance. LORs for these samples are raised as a result. PE 28-Feb-22									
L2684766-11 SP1-PM10-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: 47mm Filter									
Field Tests									
Air volume	6.1 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<2.5		2.5	ug/m3		08-FEB-22	R5729941
Total particulate			<15		15	ug		08-FEB-22	R5729941
Report Remarks : Sample shows signs of damage, sustained prior to submission to the laboratory. Analytical result is significantly <LOR and is likely biased. PE 28-Feb-22									
L2684766-12 SP1-PM2.5-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: 47mm Filter									

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-12 SP1-PM2.5-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: 47mm Filter									
Field Tests									
Air volume	6.9 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			<2.2		2.2	ug/m3		08-FEB-22	R5729941
Total particulate			<15		15	ug		08-FEB-22	R5729941
Report Remarks : Sample shows signs of damage, sustained prior to submission to the laboratory. Analytical result is significantly <LOR and is likely biased. PE 28-Feb-22									
L2684766-13 SP1-TSP-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: 47mm Filter									
Field Tests									
Air volume	5.5 m3	Air Conc.						08-FEB-22	R5727058
Particulates									
Total particulate			179		2.7	ug/m3		08-FEB-22	R5729941
Total particulate			983		15	ug		08-FEB-22	R5729941
Total Metals									
Aluminum (Al)			<1.6		1.6	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)			<9.0		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)			<0.045		0.045	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)			<0.25		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)			<0.55		0.55	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)			<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)			<0.091		0.091	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)			<0.50		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)			<0.0091		0.0091	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)			<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)			<0.33		0.33	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)			<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)			<2.7		2.7	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)			<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)			<0.0049		0.0049	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)			<0.027		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)			<0.62		0.62	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)			<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)			<0.0055		0.0055	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)			<0.030		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)			<0.18		0.18	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)			<1.0		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)			<2.2		2.2	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)			<12		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)			<0.022		0.022	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)			<0.12		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)			<11		11	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)			<60		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)			<0.082		0.082	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)			<0.45		0.45	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-13 SP1-TSP-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: 47mm Filter							
Total Metals							
Molybdenum (Mo)	<0.065		0.065	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	<0.36		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	<0.045		0.045	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	<0.25		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<140		140	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.24		0.24	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.016		0.016	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.55		0.55	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.016		0.016	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.11		0.11	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.60		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<2.0		2.0	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	<0.0011		0.0011	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	<0.0060		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.91		0.91	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	<0.82		0.82	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	<4.5		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0018		0.0018	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.010		0.010	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-14 SP2-TSP-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: Hi Vol Filter							
Field Tests							
Air volume 2889 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	0.554		0.035	ug/m3		10-FEB-22	R5726559
Total particulate	1600		100	ug		10-FEB-22	R5726559
Total Metals							
Aluminum (Al)	0.0095		0.0031	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	27.3		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.000087		0.000087	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.25		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<0.0010		0.0010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00091		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	2.63		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000017		0.000017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-14 SP2-TSP-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: Hi Vol Filter							
Total Metals							
Bismuth (Bi)	<0.00062		0.00062	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.0052		0.0052	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.000182		0.0000093	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.527		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000013		0.000010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.038		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	0.0285		0.00035	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	82.4		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0137		0.0042	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	40		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.000094		0.000042	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.27		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.027		0.021	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	77		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	0.00039		0.00016	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	1.13		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00187		0.00012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	5.40		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.000220		0.000087	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.63		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<0.26		0.26	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00045		0.00045	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000031		0.000031	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0010		0.0010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000031		0.000031	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.00021		0.00021	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.60		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0038		0.0038	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0000029		0.0000021	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0083		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0017		0.0017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0016		0.0016	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	4.7		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-14 SP2-TSP-30-11-21 Sampled By: Client on 30-NOV-21 Matrix: Hi Vol Filter							
Extractable Metals							
Mercury (Hg)	<0.0000035		0.0000035	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.010		0.010	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-15 SP2-TSP-06-12-21 Sampled By: Client on 06-DEC-21 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1488 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	4.57		0.067	ug/m3		10-FEB-22	R5726559
Total particulate	6800		100	ug		10-FEB-22	R5726559
Total Metals							
Aluminum (Al)	0.0659		0.0060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	98.1		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.00057		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.86		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00402		0.00034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	5.99		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000034		0.000034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.010		0.010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.000602		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.896		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0023		0.0023	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000110		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.164		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	0.0173		0.00067	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	25.8		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0916		0.0081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	136		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.000950		0.000081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	1.41		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.077		0.040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	114		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	0.00330		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	4.91		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00090		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	1.35		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.00144		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	2.14		0.25	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-15 SP2-TSP-06-12-21 Sampled By: Client on 06-DEC-21 Matrix: Hi Vol Filter							
Total Metals							
Phosphorus (P)	<0.50		0.50	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00087		0.00087	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	0.00093		0.00040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	1.38		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0074		0.0074	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0000110		0.0000040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0164		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0034		0.0034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0117		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	17.5		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0000067		0.0000067	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.010		0.010	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-16 SP2-TSP-12-12-21 Sampled By: Client on 12-DEC-21 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1493 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	1.67		0.067	ug/m3		10-FEB-22	R5726559
Total particulate	2500		100	ug		10-FEB-22	R5726559
Total Metals							
Aluminum (Al)	0.0213		0.0060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	31.9		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.00031		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.47		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00277		0.00033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	4.13		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000033		0.000033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.010		0.010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-16 SP2-TSP-12-12-21 Sampled By: Client on 12-DEC-21 Matrix: Hi Vol Filter							
Total Metals							
Cadmium (Cd)	0.000079		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.118		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0023		0.0023	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000030		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.044		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	0.0543		0.00067	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	81.0		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0277		0.0080	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	41		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.000329		0.000080	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.49		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.052		0.040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	77		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	0.00080		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	1.20		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00329		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	4.91		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.00049		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.73		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<0.50		0.50	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00087		0.00087	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.00040		0.00040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.60		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0074		0.0074	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	<0.0000040		0.0000040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	<0.0060		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0033		0.0033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0230		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	34.4		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0000067		0.0000067	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.010		0.010	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-17 SP2-TSP-24-12-21 Sampled By: Client on 24-DEC-21 Matrix: Hi Vol Filter							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-17 SP2-TSP-24-12-21 Sampled By: Client on 24-DEC-21 Matrix: Hi Vol Filter									
Field Tests									
Air volume	1524 m3	Air Conc.						08-FEB-22	R5725809
Particulates									
Total particulate			0.656		0.066	ug/m3		10-FEB-22	R5726559
Total particulate			1000		100	ug		10-FEB-22	R5726559
Total Metals									
Aluminum (Al)			0.0160		0.0059	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)			24.3		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)			0.00046		0.00016	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)			0.70		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)			<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)			<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)			0.00220		0.00033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)			3.36		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)			<0.000033		0.000033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)			<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)			<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)			<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)			<0.0098		0.0098	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)			<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)			0.000020		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)			0.031		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)			<0.0022		0.0022	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)			<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)			0.000029		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)			0.044		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)			0.0455		0.00066	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)			69.3		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)			0.0241		0.0079	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)			37		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)			0.000319		0.000079	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)			0.49		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)			0.072		0.039	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)			110		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)			0.00243		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)			3.70		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)			0.00213		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)			3.25		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)			0.00054		0.00016	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)			0.82		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)			<0.49		0.49	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)			<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)			<0.00085		0.00085	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)			<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)			<0.000059		0.000059	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)			<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-17 SP2-TSP-24-12-21 Sampled By: Client on 24-DEC-21 Matrix: Hi Vol Filter							
Total Metals							
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000059		0.000059	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.00039		0.00039	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.60		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0072		0.0072	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0000087		0.0000039	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0132		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0033		0.0033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0045		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	6.9		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0000066		0.0000066	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.010		0.010	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-18 SP2-TSP-30-12-21 Sampled By: Client on 30-DEC-21 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1490 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	2.55		0.067	ug/m3		10-FEB-22	R5726559
Total particulate	3800		100	ug		10-FEB-22	R5726559
Total Metals							
Aluminum (Al)	0.0145		0.0060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	21.6		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.00047		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.69		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00305		0.00034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	4.55		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000034		0.000034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.010		0.010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.000048		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.071		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0023		0.0023	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000039		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.058		0.030	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-18 SP2-TSP-30-12-21 Sampled By: Client on 30-DEC-21 Matrix: Hi Vol Filter							
Total Metals							
Copper (Cu)	0.0347		0.00067	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	51.8		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0218		0.0081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	32		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.000326		0.000081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.49		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.086		0.040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	128		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	0.00086		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	1.29		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00213		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	3.18		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.00076		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	1.13		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<0.50		0.50	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00087		0.00087	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	0.00063		0.00040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	0.93		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0074		0.0074	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0000053		0.0000040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0079		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0034		0.0034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0069		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	10.4		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0000067		0.0000067	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.010		0.010	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-19 SP2-TSP-06-01-22 Sampled By: Client on 06-JAN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1476 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	5.35		0.068	ug/m3		10-FEB-22	R5726559
Total particulate	7900		100	ug		10-FEB-22	R5726559
Total Metals							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-19 SP2-TSP-06-01-22 Sampled By: Client on 06-JAN-22 Matrix: Hi Vol Filter							
Total Metals							
Aluminum (Al)	0.0561		0.0061	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	82.8		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.00045		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.67		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00284		0.00034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	4.20		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000034		0.000034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.010		0.010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.000150		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.221		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0023		0.0023	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000068		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.101		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	0.0159		0.00068	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	23.5		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0872		0.0081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	129		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.000976		0.000081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	1.44		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.088		0.041	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	130		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	0.00363		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	5.36		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00111		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	1.63		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.00105		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	1.56		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<0.51		0.51	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00088		0.00088	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000061		0.000061	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000061		0.000061	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-19 SP2-TSP-06-01-22 Sampled By: Client on 06-JAN-22 Matrix: Hi Vol Filter							
Total Metals							
Tin (Sn)	0.00064		0.00041	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	0.94		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0075		0.0075	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0000066		0.0000041	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0098		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0034		0.0034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0078		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	11.6		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0000068		0.0000068	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.010		0.010	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-20 SP2-TSP-12-01-22 Sampled By: Client on 12-JAN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1510 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	4.04		0.066	ug/m3		10-FEB-22	R5726559
Total particulate	6100		100	ug		10-FEB-22	R5726559
Total Metals							
Aluminum (Al)	0.0462		0.0060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	69.8		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.00239		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	3.60		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00980		0.00033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	14.8		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000033		0.000033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.0099		0.0099	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.000325		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.491		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0023		0.0023	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000070		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.105		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	0.0236		0.00066	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	35.6		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0745		0.0079	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	113		12	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-20 SP2-TSP-12-01-22 Sampled By: Client on 12-JAN-22 Matrix: Hi Vol Filter							
Total Metals							
Lead (Pb)	0.000867		0.000079	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	1.31		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.078		0.040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	117		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	0.00287		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	4.33		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00153		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	2.31		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.00127		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	1.92		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<0.50		0.50	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00086		0.00086	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	0.00045		0.00040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	0.68		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0073		0.0073	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0000046		0.0000040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	0.0069		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0033		0.0033	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0286		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	43.2		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0000033		0.0000033	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.0050		0.0050	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-21 SP2-TSP-18-01-22 Sampled By: Client on 18-JAN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1491 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	3.02		0.067	ug/m3		10-FEB-22	R5726559
Total particulate	4500		100	ug		10-FEB-22	R5726559
Total Metals							
Aluminum (Al)	0.0335		0.0060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	50.0		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.00114		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	1.70		0.25	ug	23-FEB-22	24-FEB-22	R5729182

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-21 SP2-TSP-18-01-22 Sampled By: Client on 18-JAN-22 Matrix: Hi Vol Filter							
Total Metals							
Arsenic (As)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00456		0.00034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	6.80		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000034		0.000034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.010		0.010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.000090		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.134		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0023		0.0023	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000050		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.075		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	0.0229		0.00067	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	34.2		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0495		0.0080	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	74		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.000742		0.000080	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	1.11		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.059		0.040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	88		60	ug	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	0.00146		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	2.17		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00185		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	2.76		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.00124		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	1.85		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<0.50		0.50	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00087		0.00087	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000060		0.000060	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.00040		0.00040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.60		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0074		0.0074	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-21 SP2-TSP-18-01-22 Sampled By: Client on 18-JAN-22 Matrix: Hi Vol Filter							
Total Metals							
Uranium (U)	<0.0000040		0.0000040	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	<0.0060		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0034		0.0034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0075		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	11.2		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	<0.0000034		0.0000034	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	<0.0050		0.0050	ug	23-FEB-22	25-FEB-22	R5729982
L2684766-22 SP2-TSP-24-01-22 Sampled By: Client on 24-JAN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1481 m3 Air Conc.						08-FEB-22	R5725809
Particulates							
Total particulate	3.38		0.068	ug/m3		10-FEB-22	R5726559
Total particulate	5000		100	ug		10-FEB-22	R5726559
Total Metals							
Aluminum (Al)	0.0190		0.0061	ug/m3	23-FEB-22	24-FEB-22	R5729182
Aluminum (Al)	28.2		9.0	ug	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.00052		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Antimony (Sb)	0.77		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Arsenic (As)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	0.00383		0.00034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Barium (Ba)	5.67		0.50	ug	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.000034		0.000034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Beryllium (Be)	<0.050		0.050	ug	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<0.0012		0.0012	ug/m3	23-FEB-22	24-FEB-22	R5729182
Bismuth (Bi)	<1.8		1.8	ug	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<0.010		0.010	ug/m3	23-FEB-22	24-FEB-22	R5729182
Boron (B)	<15		15	ug	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.000067		0.000018	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cadmium (Cd)	0.100		0.027	ug	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<0.0023		0.0023	ug/m3	23-FEB-22	24-FEB-22	R5729182
Chromium (Cr)	<3.4		3.4	ug	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.000054		0.000020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Cobalt (Co)	0.081		0.030	ug	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	0.0371		0.00068	ug/m3	23-FEB-22	24-FEB-22	R5729182
Copper (Cu)	54.9		1.0	ug	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	0.0298		0.0081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Iron (Fe)	44		12	ug	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	0.000924		0.000081	ug/m3	23-FEB-22	24-FEB-22	R5729182
Lead (Pb)	1.37		0.12	ug	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	0.099		0.041	ug/m3	23-FEB-22	24-FEB-22	R5729182
Magnesium (Mg)	147		60	ug	23-FEB-22	24-FEB-22	R5729182

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2684766-22 SP2-TSP-24-01-22 Sampled By: Client on 24-JAN-22 Matrix: Hi Vol Filter							
Total Metals							
Manganese (Mn)	0.00267		0.00030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Manganese (Mn)	3.96		0.45	ug	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	0.00240		0.00024	ug/m3	23-FEB-22	24-FEB-22	R5729182
Molybdenum (Mo)	3.56		0.36	ug	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	0.00389		0.00017	ug/m3	23-FEB-22	24-FEB-22	R5729182
Nickel (Ni)	5.76		0.25	ug	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<0.51		0.51	ug/m3	23-FEB-22	24-FEB-22	R5729182
Phosphorus (P)	<750		750	ug	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<0.00088		0.00088	ug/m3	23-FEB-22	24-FEB-22	R5729182
Selenium (Se)	<1.3		1.3	ug	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.000061		0.000061	ug/m3	23-FEB-22	24-FEB-22	R5729182
Silver (Ag)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<0.0020		0.0020	ug/m3	23-FEB-22	24-FEB-22	R5729182
Strontium (Sr)	<3.0		3.0	ug	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.000061		0.000061	ug/m3	23-FEB-22	24-FEB-22	R5729182
Thallium (Tl)	<0.090		0.090	ug	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.00041		0.00041	ug/m3	23-FEB-22	24-FEB-22	R5729182
Tin (Sn)	<0.60		0.60	ug	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<0.0074		0.0074	ug/m3	23-FEB-22	24-FEB-22	R5729182
Titanium (Ti)	<11		11	ug	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	<0.0000041		0.0000041	ug/m3	23-FEB-22	24-FEB-22	R5729182
Uranium (U)	<0.0060		0.0060	ug	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<0.0034		0.0034	ug/m3	23-FEB-22	24-FEB-22	R5729182
Vanadium (V)	<5.0		5.0	ug	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	0.0056		0.0030	ug/m3	23-FEB-22	24-FEB-22	R5729182
Zinc (Zn)	8.3		4.5	ug	23-FEB-22	24-FEB-22	R5729182
Extractable Metals							
Mercury (Hg)	0.0000049		0.0000034	ug/m3	23-FEB-22	25-FEB-22	R5729982
Mercury (Hg)	0.0072		0.0050	ug	23-FEB-22	25-FEB-22	R5729982

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Method Blank	Mercury (Hg)	A	L2684766-13, -14, -15, -16, -17, -18, -19, -20, -21, -22
Comments:	Low levels of Hg observed in the method blank, at 1.5x the LOR. Sample data is <LOR, so any potential bias imparted by this background is expected to be negligible. PE 28-Feb-22		
Method Blank	Copper (Cu)	A	L2684766-13, -14, -15, -16, -17, -18, -19, -20, -21, -22
Comments:	Cu and Pb observed in the method blank (MB) at about 2x their LORs. Data for these analytes may be elevated in samples as a result of these background contributions. PE 28-Feb-22		
Method Blank	Lead (Pb)	A	L2684766-13, -14, -15, -16, -17, -18, -19, -20, -21, -22
Comments:	Cu and Pb observed in the method blank (MB) at about 2x their LORs. Data for these analytes may be elevated in samples as a result of these background contributions. PE 28-Feb-22		
Duplicate	Barium (Ba)	G	L2684766-13, -14, -15, -16, -17, -18, -19, -20, -21, -22
Comments:	RPDs for Ba, Cu, and Mn are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 28-Feb-22		
Duplicate	Copper (Cu)	G	L2684766-13, -14, -15, -16, -17, -18, -19, -20, -21, -22
Comments:	RPDs for Ba, Cu, and Mn are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 28-Feb-22		
Duplicate	Manganese (Mn)	G	L2684766-13, -14, -15, -16, -17, -18, -19, -20, -21, -22
Comments:	RPDs for Ba, Cu, and Mn are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 28-Feb-22		
Matrix Spike	Zinc (Zn)	MS-B	L2684766-13, -14, -15, -16, -17, -18, -19, -20, -21, -22

Sample Parameter Qualifier key listed:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
HG-IO3.5-CVAA-BU	Filter	Mercury on High Volume Filter by CVAA	USEPA Method IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the CVAA instrument for analysis.			
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.			
PART-HIVOL-GRAV-BU	Filter	Particulate on High Volume Filter	USEPA IO3.1
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12
The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-IO3.5-CVAA-BU	**Filter**							
Batch R5729982								
WG3699447-2 LCS								
Mercury (Hg)			97.4		ug		70-130	25-FEB-22
WG3699447-1 MB								
Mercury (Hg)			0.0072	A	ug		0.005	25-FEB-22
COMMENTS: Low levels of Hg observed in the method blank, at 1.5x the LOR. Sample data is <LOR, so any potential bias imparted by this background is expected to be negligible. PE 28-Feb-22								
MET-IO3.5-MS-BU	**Filter**							
Batch R5729182								
WG3699447-2 LCS								
Silver (Ag)			91.4		%		70-130	24-FEB-22
Aluminum (Al)			88.0		%		70-130	24-FEB-22
Arsenic (As)			94.4		%		80-120	24-FEB-22
Barium (Ba)			104.0		%		70-130	24-FEB-22
Beryllium (Be)			93.8		%		70-130	24-FEB-22
Cadmium (Cd)			96.0		%		80-120	24-FEB-22
Cobalt (Co)			99.2		%		80-120	24-FEB-22
Chromium (Cr)			98.5		%		80-120	24-FEB-22
Copper (Cu)			104.0		%		80-120	24-FEB-22
Iron (Fe)			99.2		%		80-120	24-FEB-22
Magnesium (Mg)			95.2		%		70-130	24-FEB-22
Manganese (Mn)			96.4		%		80-120	24-FEB-22
Molybdenum (Mo)			88.8		%		70-130	24-FEB-22
Nickel (Ni)			96.8		%		80-120	24-FEB-22
Lead (Pb)			94.4		%		80-120	24-FEB-22
Antimony (Sb)			86.5		%		80-120	24-FEB-22
Selenium (Se)			95.9		%		80-120	24-FEB-22
Thallium (Tl)			91.9		%		70-130	24-FEB-22
Uranium (U)			91.6		%		70-130	24-FEB-22
Vanadium (V)			94.1		%		80-120	24-FEB-22
Zinc (Zn)			97.5		%		80-120	24-FEB-22
Bismuth (Bi)			91.3		%		70-130	24-FEB-22
Boron (B)			92.8		%		70-130	24-FEB-22
Phosphorus (P)			95.2		%		70-130	24-FEB-22
Strontium (Sr)			90.1		%		70-130	24-FEB-22
Tin (Sn)			91.8		%		70-130	24-FEB-22
Titanium (Ti)			89.1		%		70-130	24-FEB-22

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5729182								
WG3699447-2 LCS								
Zirconium (Zr)			80.7		%		70-130	24-FEB-22
WG3699447-1 MB								
Silver (Ag)			<0.090		ug		0.09	24-FEB-22
Aluminum (Al)			<9.0		ug		9	24-FEB-22
Arsenic (As)			<3.0		ug		3	24-FEB-22
Barium (Ba)			<0.50		ug		0.5	24-FEB-22
Beryllium (Be)			<0.050		ug		0.05	24-FEB-22
Cadmium (Cd)			<0.027		ug		0.027	24-FEB-22
Cobalt (Co)			<0.030		ug		0.03	24-FEB-22
Chromium (Cr)			<3.4		ug		3.4	24-FEB-22
Copper (Cu)			1.9	A	ug		1	24-FEB-22
Iron (Fe)			<12		ug		12	24-FEB-22
Magnesium (Mg)			<60		ug		60	24-FEB-22
Manganese (Mn)			<0.45		ug		0.45	24-FEB-22
Molybdenum (Mo)			<0.36		ug		0.36	24-FEB-22
Nickel (Ni)			<0.25		ug		0.25	24-FEB-22
Lead (Pb)			0.29	A	ug		0.12	24-FEB-22
Antimony (Sb)			<0.25		ug		0.25	24-FEB-22
Selenium (Se)			<1.3		ug		1.25	24-FEB-22
Thallium (Tl)			<0.090		ug		0.09	24-FEB-22
Uranium (U)			<0.0060		ug		0.006	24-FEB-22
Vanadium (V)			<5.0		ug		10	24-FEB-22
Zinc (Zn)			<4.5		ug		4.5	24-FEB-22
Bismuth (Bi)			<1.8		ug		1.8	24-FEB-22
Boron (B)			<15		ug		15	24-FEB-22
Phosphorus (P)			<750		ug		750	24-FEB-22
Strontium (Sr)			<3.0		ug		3	24-FEB-22
Tin (Sn)			<0.60		ug		0.6	24-FEB-22
Titanium (Ti)			<11		ug		10.5	24-FEB-22
Zirconium (Zr)			<2.0		ug		2	24-FEB-22

COMMENTS: Cu and Pb observed in the method blank (MB) at about 2x their LORs. Data for these analytes may be elevated in samples as a result of these background contributions. PE 28-Feb-22

PART-HIVOL-GRAV-BU	**Filter**							

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5726559								
WG3697030-1 MB								
Total particulate			<100		ug		100	10-FEB-22
PART-M212 F-GRAV-BU	**Filter**							
Batch R5729941								
WG3700500-2 DUP		**L2684766-1**						
Total particulate		<15	<15	RPD-NA	ug	N/A	10	08-FEB-22
WG3700500-1 MB								
Total particulate			<15		ug		15	08-FEB-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

L2684766-COFC

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

www.alsglobal.com

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-30-11-21	30-Nov	12:00	0708		AA	24			X								1
SP2-PM10-06-12-21	06-Dec	12:00	0549		AA	24			X								2
SP2-PM10-12-12-21	12-Dec	12:00	0557		AA	24			X								3
SP2-PM10-18-12-21	18-Dec	12:00	0559		AA	24			X								4
SP2-PM10-24-12-21	24-Dec	12:00	0558		AA	24			X								5
SP2-PM10-30-12-21	30-Dec	12:00	QZ9028		AA	24			X								6
SP2-PM10-06-01-22	06-Jan	12:00	QZ9016		AA	24			X								7
SP2-PM10-12-01-22	12-Jan	12:00	QZ9029		AA	24			X								8
SP2-PM10-18-01-22	18-Jan	12:00	QZ9020		AA	24			X								9

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY: H.K	DATE & TIME 02/04/2022 13:16
RELINQUISHED BY:	DATE & TIME 4-Feb 2022	RECEIVED AT LAB BY: HDJ	DATE & TIME 4/2/22 1730

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☒

INITIALS

08-Feb-22 12:30 22.2°C

L2684766-COFC

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

www.alsglobal.com

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Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SD2-PM10-240122 ~~SD2-PM10-18-01-22~~	24-Jan	12:00	QZ9024		AA	24			X								10

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT

MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY: H.K	DATE & TIME 02/04/2022 13:16
RELINQUISHED BY:	DATE & TIME 4-Feb 22	RECEIVED AT LAB BY: HD	DATE & TIME 04/02/22 1730

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

November 2018 Front

08-Feb-22 12:30 22.2 °C

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____
Page 3 of 4

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

L2684766-COFC

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM10-30-11-21	30-Nov		0717			6.1			X								11
SP1-PM2.5-30-11-21	30-Nov		0719			6.9				X							12
SP1-TSP-30-11-21	30-Nov		0711			5.5	X	X				x					13

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED: ☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT — MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY: H.K	DATE & TIME 02/04/2022	1376
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: HDJ	DATE & TIME 4/2/22	1730

SIF OBSERVATIONS: Yes ☐ No ☐ — INITIALS

CUSTODY SEAL INTACT: Yes ☐ No ☐

November 2018 Front

08-Feb-22 12:30 21.3°C

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____
Page 4 of 4

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

L2684766-COFC

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time		Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
	Date (dd-mmm-yy)	Time (24hr) (hh:mm)															
SP2-TSP-30-11-21	30-Nov		742072		AA	2889	X	X				X					14
SP2-TSP-06-12-21	06-Dec		742073		AA	1488	X	X				X					15
SP2-TSP-12-12-21	12-Dec		742074		AA	1493	X	X				X					16
SP2-TSP-24-12-21	24-Dec		742245		AA	1524	X	X				X					17
SP2-TSP-30-12-21	30-Dec		742246		AA	1490	X	X				X					18
SP2-TSP-06-01-22	06-Jan		742247		AA	1476	X	X				X					19
SP2-TSP-12-01-22	12-Jan		742248		AA	1510	X	X				X					20
SP2-TSP-18-01-22	18-Jan		742249		AA	1491	X	X				X					21
SP2-TSP-24-01-22	24-Jan		742250		AA	1481	X	X				X					22

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)
☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT
MEAN TEMP

SAMPLED BY:	DATE & TIME	RECEIVED BY: H.K	DATE & TIME 02/04/2022 13:16
RELINQUISHED BY:	DATE & TIME 4-Feb 22	RECEIVED AT LAB BY: HD	DATE & TIME 04/02/22 1730

SIF OBSERVATIONS: Yes ☐ No ☐
CUSTODY SEAL INTACT: Yes ☐ No ☐
INITIALS

November 2018 Front

21.3°c 08-Feb-22 12:30

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 08-MAR-22
Report Date: 31-MAR-22 13:09 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2691296

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-1 SP1-PM10-4-02-22 Sampled By: M. RIDGWAY on 04-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 3.9 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<26		26	ug/m3		25-MAR-22	R5752000
Total particulate	<100		100	ug		25-MAR-22	R5752000
L2691296-2 SP1-PM2.5-04-02-22 Sampled By: M. RIDGWAY on 04-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 7.5 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<13		13	ug/m3		25-MAR-22	R5752000
Total particulate	<100		100	ug		25-MAR-22	R5752000
L2691296-3 SP1-PM2.5-10-02-22 Sampled By: M. RIDGWAY on 10-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 7.5 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<13		13	ug/m3		25-MAR-22	R5752000
Total particulate	<100		100	ug		25-MAR-22	R5752000
L2691296-4 SP1-PM10-16-02-22 Sampled By: M. RIDGWAY on 16-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 5.7 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<18		18	ug/m3		25-MAR-22	R5752000
Total particulate	<100		100	ug		25-MAR-22	R5752000
L2691296-5 SP1-PM2.5-16-02-22 Sampled By: M. RIDGWAY on 16-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 7.6 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<2.0		2.0	ug/m3		25-MAR-22	R5752000
Total particulate	<15		15	ug		25-MAR-22	R5752000
L2691296-6 SP1-PM10-22-02-22 Sampled By: M. RIDGWAY on 22-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 7.3 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	2.2		2.1	ug/m3		25-MAR-22	R5752000
Total particulate	16		15	ug		25-MAR-22	R5752000
L2691296-7 SP1-PM2.5-22-02-22 Sampled By: M. RIDGWAY on 22-FEB-22							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-7	SP1-PM2.5-22-02-22								
Sampled By:	M. RIDGWAY on 22-FEB-22								
Matrix:	47 mm Filter								
Field Tests									
Air volume	5.9 m3	Air Conc.						08-MAR-22	R5747664
Particulates									
Total particulate			3.2		2.5	ug/m3		25-MAR-22	R5752000
Total particulate			19		15	ug		25-MAR-22	R5752000
L2691296-8	SP1-PM10-28-02-22								
Sampled By:	M. RIDGWAY on 28-FEB-22								
Matrix:	47 mm Filter								
Field Tests									
Air volume	7.5 m3	Air Conc.						08-MAR-22	R5747664
Particulates									
Total particulate			3.3		2.0	ug/m3		25-MAR-22	R5752000
Total particulate			25		15	ug		25-MAR-22	R5752000
L2691296-9	SP1-PM2.5-28-02-22								
Sampled By:	M. RIDGWAY on 28-FEB-22								
Matrix:	47 mm Filter								
Field Tests									
Air volume	7.7 m3	Air Conc.						08-MAR-22	R5747664
Particulates									
Total particulate			5.1		1.9	ug/m3		25-MAR-22	R5752000
Total particulate			39		15	ug		25-MAR-22	R5752000
L2691296-10	SP1-PM10-29-01-22								
Sampled By:	M. RIDGWAY on 04-FEB-22								
Matrix:	47 mm Filter								
Field Tests									
Air volume	7.3 m3	Air Conc.						08-MAR-22	R5747664
Particulates									
Total particulate			3.4		2.1	ug/m3		25-MAR-22	R5752000
Total particulate			25		15	ug		25-MAR-22	R5752000
L2691296-11	SP2-TSP-10-02-22								
Sampled By:	M. RIDGWAY on 10-FEB-22								
Matrix:	Hi Vol Filter								
Field Tests									
Air volume	1651 m3	Air Conc.						08-MAR-22	R5742861
Particulates									
Total particulate			6.78		0.061	ug/m3		08-MAR-22	R5742876
Total particulate			11200		100	ug		08-MAR-22	R5742876
Total Metals									
Aluminum (Al)			0.0322		0.0055	ug/m3	15-MAR-22	16-MAR-22	R5746672
Aluminum (Al)			53.1		9.0	ug	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)			0.00124		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)			2.05		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)			<0.0018		0.0018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)			<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)			0.00303		0.00030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)			5.00		0.50	ug	15-MAR-22	16-MAR-22	R5746672

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-11 SP2-TSP-10-02-22 Sampled By: M. RIDGWAY on 10-FEB-22 Matrix: Hi Vol Filter							
Total Metals							
Beryllium (Be)	<0.000030		0.000030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Beryllium (Be)	<0.050		0.050	ug	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)	<0.0011		0.0011	ug/m3	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)	<1.8		1.8	ug	15-MAR-22	16-MAR-22	R5746672
Boron (B)	<0.0091		0.0091	ug/m3	15-MAR-22	16-MAR-22	R5746672
Boron (B)	<15		15	ug	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)	0.000173		0.000016	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)	0.286		0.027	ug	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)	<0.0021		0.0021	ug/m3	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)	<3.4		3.4	ug	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)	0.000046		0.000018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)	0.075		0.030	ug	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)	0.0341		0.00061	ug/m3	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)	56.3		1.0	ug	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)	0.0420		0.0073	ug/m3	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)	69		12	ug	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)	0.000867		0.000073	ug/m3	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)	1.43		0.12	ug	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)	0.067		0.036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)	111		60	ug	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)	0.00327		0.00027	ug/m3	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)	5.40		0.45	ug	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)	0.00172		0.00022	ug/m3	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)	2.84		0.36	ug	15-MAR-22	16-MAR-22	R5746672
Nickel (Ni)	0.00124		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Nickel (Ni)	2.04		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)	<0.45		0.45	ug/m3	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)	<750		750	ug	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)	<0.00079		0.00079	ug/m3	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)	<1.3		1.3	ug	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)	<0.000055		0.000055	ug/m3	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)	<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672
Strontium (Sr)	<0.0018		0.0018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Strontium (Sr)	<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.000055		0.000055	ug/m3	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.00036		0.00036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.60		0.60	ug	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<0.0067		0.0067	ug/m3	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<11		11	ug	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0000036		0.0000036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0060		0.0060	ug	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<0.0030		0.0030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<5.0		5.0	ug	15-MAR-22	16-MAR-22	R5746672

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-11 SP2-TSP-10-02-22 Sampled By: M. RIDGWAY on 10-FEB-22 Matrix: Hi Vol Filter							
Total Metals							
Zinc (Zn)	0.0087		0.0027	ug/m3	15-MAR-22	16-MAR-22	R5746672
Zinc (Zn)	14.3		4.5	ug	15-MAR-22	16-MAR-22	R5746672
Extractable Metals							
Mercury (Hg)	0.0000180		0.0000061	ug/m3	15-MAR-22	17-MAR-22	R5746227
Mercury (Hg)	0.030		0.010	ug	15-MAR-22	17-MAR-22	R5746227
L2691296-12 SP2-TSP-16-02-22 Sampled By: M. RIDGWAY on 16-FEB-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1670 m3 Air Conc.						08-MAR-22	R5742861
Particulates							
Total particulate	3.29		0.060	ug/m3		08-MAR-22	R5742876
Total particulate	5500		100	ug		08-MAR-22	R5742876
Total Metals							
Aluminum (Al)	0.0161		0.0054	ug/m3	15-MAR-22	16-MAR-22	R5746672
Aluminum (Al)	26.9		9.0	ug	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)	0.00161		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)	2.69		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)	<0.0018		0.0018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)	<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)	0.00102		0.00030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)	1.71		0.50	ug	15-MAR-22	16-MAR-22	R5746672
Beryllium (Be)	<0.000030		0.000030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Beryllium (Be)	<0.050		0.050	ug	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)	<0.0011		0.0011	ug/m3	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)	<1.8		1.8	ug	15-MAR-22	16-MAR-22	R5746672
Boron (B)	<0.0090		0.0090	ug/m3	15-MAR-22	16-MAR-22	R5746672
Boron (B)	<15		15	ug	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)	0.000034		0.000016	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)	0.057		0.027	ug	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)	<0.0020		0.0020	ug/m3	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)	<3.4		3.4	ug	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)	0.000019		0.000018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)	0.031		0.030	ug	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)	0.0334		0.00060	ug/m3	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)	55.8		1.0	ug	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)	0.0217		0.0072	ug/m3	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)	36		12	ug	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)	0.000790		0.000072	ug/m3	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)	1.32		0.12	ug	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)	0.047		0.036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)	79		60	ug	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)	0.00066		0.00027	ug/m3	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)	1.10		0.45	ug	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)	0.00158		0.00022	ug/m3	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)	2.65		0.36	ug	15-MAR-22	16-MAR-22	R5746672

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-12 SP2-TSP-16-02-22 Sampled By: M. RIDGWAY on 16-FEB-22 Matrix: Hi Vol Filter							
Total Metals							
Nickel (Ni)	0.00106		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Nickel (Ni)	1.77		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)	<0.45		0.45	ug/m3	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)	<750		750	ug	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)	<0.00078		0.00078	ug/m3	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)	<1.3		1.3	ug	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)	<0.000054		0.000054	ug/m3	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)	<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672
Strontium (Sr)	<0.0018		0.0018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Strontium (Sr)	<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.000054		0.000054	ug/m3	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.00036		0.00036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.60		0.60	ug	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<0.0066		0.0066	ug/m3	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<11		11	ug	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0000036		0.0000036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0060		0.0060	ug	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<0.0030		0.0030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<5.0		5.0	ug	15-MAR-22	16-MAR-22	R5746672
Zinc (Zn)	0.0035		0.0027	ug/m3	15-MAR-22	16-MAR-22	R5746672
Zinc (Zn)	5.9		4.5	ug	15-MAR-22	16-MAR-22	R5746672
Extractable Metals							
Mercury (Hg)	0.0000119		0.0000060	ug/m3	15-MAR-22	17-MAR-22	R5746227
Mercury (Hg)	0.020		0.010	ug	15-MAR-22	17-MAR-22	R5746227
L2691296-13 SP2-TSP-22-02-22 Sampled By: M. RIDGWAY on 22-FEB-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1651 m3 Air Conc.						08-MAR-22	R5742861
Particulates							
Total particulate	5.33		0.061	ug/m3		08-MAR-22	R5742876
Total particulate	8800		100	ug		08-MAR-22	R5742876
Total Metals							
Aluminum (Al)	0.0255		0.0055	ug/m3	15-MAR-22	16-MAR-22	R5746672
Aluminum (Al)	42.2		9.0	ug	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)	0.00559		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)	9.23		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)	<0.0018		0.0018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)	<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)	0.00149		0.00030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)	2.46		0.50	ug	15-MAR-22	16-MAR-22	R5746672
Beryllium (Be)	<0.000030		0.000030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Beryllium (Be)	<0.050		0.050	ug	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)	<0.0011		0.0011	ug/m3	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)	<1.8		1.8	ug	15-MAR-22	16-MAR-22	R5746672

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-13 SP2-TSP-22-02-22 Sampled By: M. RIDGWAY on 22-FEB-22 Matrix: Hi Vol Filter							
Total Metals							
Boron (B)	<0.0091		0.0091	ug/m3	15-MAR-22	16-MAR-22	R5746672
Boron (B)	<15		15	ug	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)	0.000099		0.000016	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)	0.163		0.027	ug	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)	<0.0021		0.0021	ug/m3	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)	<3.4		3.4	ug	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)	0.000066		0.000018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)	0.108		0.030	ug	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)	0.0853		0.00061	ug/m3	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)	141		1.0	ug	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)	0.0354		0.0073	ug/m3	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)	59		12	ug	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)	0.00140		0.000073	ug/m3	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)	2.32		0.12	ug	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)	0.080		0.036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)	132		60	ug	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)	0.00107		0.00027	ug/m3	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)	1.76		0.45	ug	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)	0.00349		0.00022	ug/m3	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)	5.76		0.36	ug	15-MAR-22	16-MAR-22	R5746672
Nickel (Ni)	0.00112		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Nickel (Ni)	1.85		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)	<0.45		0.45	ug/m3	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)	<750		750	ug	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)	<0.00079		0.00079	ug/m3	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)	<1.3		1.3	ug	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)	<0.000055		0.000055	ug/m3	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)	<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672
Strontium (Sr)	<0.0018		0.0018	ug/m3	15-MAR-22	16-MAR-22	R5746672
Strontium (Sr)	<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.000055		0.000055	ug/m3	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.00036		0.00036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.60		0.60	ug	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<0.0067		0.0067	ug/m3	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<11		11	ug	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0000036		0.0000036	ug/m3	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0060		0.0060	ug	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<0.0030		0.0030	ug/m3	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<5.0		5.0	ug	15-MAR-22	16-MAR-22	R5746672
Zinc (Zn)	0.0058		0.0027	ug/m3	15-MAR-22	16-MAR-22	R5746672
Zinc (Zn)	9.5		4.5	ug	15-MAR-22	16-MAR-22	R5746672
Extractable Metals							
Mercury (Hg)	0.0000403		0.0000061	ug/m3	15-MAR-22	17-MAR-22	R5746227
Mercury (Hg)	0.067		0.010	ug	15-MAR-22	17-MAR-22	R5746227

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-14 SP2-TSP-28-02-22 Sampled By: M. RIDGWAY on 28-FEB-22 Matrix: Hi Vol Filter									
Field Tests									
Air volume	1716 m3	Air Conc.						08-MAR-22	R5742861
Particulates									
Total particulate			4.66		0.058	ug/m3		08-MAR-22	R5742876
Total particulate			8000		100	ug		08-MAR-22	R5742876
Total Metals									
Aluminum (Al)			0.0216		0.0052	ug/m3	15-MAR-22	16-MAR-22	R5746672
Aluminum (Al)			37.0		9.0	ug	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)			0.00530		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Antimony (Sb)			9.09		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)			<0.0017		0.0017	ug/m3	15-MAR-22	16-MAR-22	R5746672
Arsenic (As)			<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)			0.00101		0.00029	ug/m3	15-MAR-22	16-MAR-22	R5746672
Barium (Ba)			1.73		0.50	ug	15-MAR-22	16-MAR-22	R5746672
Beryllium (Be)			<0.000029		0.000029	ug/m3	15-MAR-22	16-MAR-22	R5746672
Beryllium (Be)			<0.050		0.050	ug	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)			<0.0010		0.0010	ug/m3	15-MAR-22	16-MAR-22	R5746672
Bismuth (Bi)			<1.8		1.8	ug	15-MAR-22	16-MAR-22	R5746672
Boron (B)			<0.0087		0.0087	ug/m3	15-MAR-22	16-MAR-22	R5746672
Boron (B)			<15		15	ug	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)			0.000062		0.000016	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cadmium (Cd)			0.107		0.027	ug	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)			<0.0020		0.0020	ug/m3	15-MAR-22	16-MAR-22	R5746672
Chromium (Cr)			<3.4		3.4	ug	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)			0.000033		0.000017	ug/m3	15-MAR-22	16-MAR-22	R5746672
Cobalt (Co)			0.056		0.030	ug	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)			0.0671		0.00058	ug/m3	15-MAR-22	16-MAR-22	R5746672
Copper (Cu)			115		1.0	ug	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)			0.0267		0.0070	ug/m3	15-MAR-22	16-MAR-22	R5746672
Iron (Fe)			46		12	ug	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)			0.000372		0.000070	ug/m3	15-MAR-22	16-MAR-22	R5746672
Lead (Pb)			0.64		0.12	ug	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)			0.085		0.035	ug/m3	15-MAR-22	16-MAR-22	R5746672
Magnesium (Mg)			146		60	ug	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)			0.00111		0.00026	ug/m3	15-MAR-22	16-MAR-22	R5746672
Manganese (Mn)			1.90		0.45	ug	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)			0.00312		0.00021	ug/m3	15-MAR-22	16-MAR-22	R5746672
Molybdenum (Mo)			5.36		0.36	ug	15-MAR-22	16-MAR-22	R5746672
Nickel (Ni)			0.00073		0.00015	ug/m3	15-MAR-22	16-MAR-22	R5746672
Nickel (Ni)			1.26		0.25	ug	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)			<0.44		0.44	ug/m3	15-MAR-22	16-MAR-22	R5746672
Phosphorus (P)			<750		750	ug	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)			<0.00076		0.00076	ug/m3	15-MAR-22	16-MAR-22	R5746672
Selenium (Se)			<1.3		1.3	ug	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)			<0.000052		0.000052	ug/m3	15-MAR-22	16-MAR-22	R5746672
Silver (Ag)			<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-14 SP2-TSP-28-02-22 Sampled By: M. RIDGWAY on 28-FEB-22 Matrix: Hi Vol Filter							
Total Metals							
Strontium (Sr)	<0.0017		0.0017	ug/m3	15-MAR-22	16-MAR-22	R5746672
Strontium (Sr)	<3.0		3.0	ug	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.000052		0.000052	ug/m3	15-MAR-22	16-MAR-22	R5746672
Thallium (Tl)	<0.090		0.090	ug	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.00035		0.00035	ug/m3	15-MAR-22	16-MAR-22	R5746672
Tin (Sn)	<0.60		0.60	ug	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<0.0064		0.0064	ug/m3	15-MAR-22	16-MAR-22	R5746672
Titanium (Ti)	<11		11	ug	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0000035		0.0000035	ug/m3	15-MAR-22	16-MAR-22	R5746672
Uranium (U)	<0.0060		0.0060	ug	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<0.0029		0.0029	ug/m3	15-MAR-22	16-MAR-22	R5746672
Vanadium (V)	<5.0		5.0	ug	15-MAR-22	16-MAR-22	R5746672
Zinc (Zn)	0.0040		0.0026	ug/m3	15-MAR-22	16-MAR-22	R5746672
Zinc (Zn)	6.9		4.5	ug	15-MAR-22	16-MAR-22	R5746672
Extractable Metals							
Mercury (Hg)	0.0000519		0.0000058	ug/m3	15-MAR-22	17-MAR-22	R5746227
Mercury (Hg)	0.089		0.010	ug	15-MAR-22	17-MAR-22	R5746227
L2691296-15 SP2-PM10-29-01-22 Sampled By: M. RIDGWAY on 29-JAN-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 24 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<4.2		4.2	ug/m3		25-MAR-22	R5752000
Total particulate	<100		100	ug		25-MAR-22	R5752000
L2691296-16 SP2-PM10-04-02-22 Sampled By: M. RIDGWAY on 04-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 24 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	1.00		0.63	ug/m3		25-MAR-22	R5752000
Total particulate	24		15	ug		25-MAR-22	R5752000
L2691296-17 SP2-PM10-02-22 Sampled By: M. RIDGWAY on 10-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 24 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<4.2		4.2	ug/m3		25-MAR-22	R5752000
Total particulate	<100		100	ug		25-MAR-22	R5752000
L2691296-18 SP2-PM10-16-02-22 Sampled By: M. RIDGWAY on 16-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 24 m3 Air Conc.						08-MAR-22	R5747664

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2691296-18 SP2-PM10-16-02-22 Sampled By: M. RIDGWAY on 16-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Particulates							
Total particulate	<0.63		0.63	ug/m3		25-MAR-22	R5752000
Total particulate	<15		15	ug		25-MAR-22	R5752000
Report Remarks : Sample shows visible signs of damage, sustained prior to submission to the laboratory. In particular, pieces of the filter are missing from around the edges. Data is likely to be biased. PE 31-Mar-22							
L2691296-19 SP2-PM10-28-02-22 Sampled By: M. RIDGWAY on 02-FEB-22 Matrix: 47 mm Filter							
Field Tests							
Air volume 24 m3 Air Conc.						08-MAR-22	R5747664
Particulates							
Total particulate	<0.63		0.63	ug/m3		25-MAR-22	R5752000
Total particulate	<15		15	ug		25-MAR-22	R5752000

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Method Blank	Copper (Cu)	A	L2691296-11, -12, -13, -14
Comments:	Cu observed in the method blank at a level 2x its LOR. Sample data is at least 10x this level, suggesting that any impact to data quality is negligible. PE 18-Mar-22		
Matrix Spike	Aluminum (Al)	MS-B	L2691296-11, -12, -13, -14
Matrix Spike	Iron (Fe)	MS-B	L2691296-11, -12, -13, -14

Sample Parameter Qualifier key listed:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
HG-IO3.5-CVAA-BU	Filter	Mercury on High Volume Filter by CVAA	USEPA Method IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the CVAA instrument for analysis.			
MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5
After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.			
PART-HIVOL-GRAV-BU	Filter	Particulate on High Volume Filter	USEPA IO3.1
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12
The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-IO3.5-CVAA-BU	**Filter**							
Batch R5746227								
WG3706551-2 LCS								
Mercury (Hg)			103		ug		70-130	17-MAR-22
WG3706551-1 MB								
Mercury (Hg)			<0.0050		ug		0.005	17-MAR-22
MET-IO3.5-MS-BU	**Filter**							
Batch R5746672								
WG3706551-2 LCS								
Silver (Ag)			97.2		%		70-130	16-MAR-22
Aluminum (Al)			84.5		%		70-130	16-MAR-22
Arsenic (As)			95.3		%		80-120	16-MAR-22
Barium (Ba)			96.5		%		70-130	16-MAR-22
Beryllium (Be)			97.3		%		70-130	16-MAR-22
Cadmium (Cd)			97.6		%		80-120	16-MAR-22
Cobalt (Co)			98.6		%		80-120	16-MAR-22
Chromium (Cr)			93.1		%		80-120	16-MAR-22
Copper (Cu)			95.1		%		80-120	16-MAR-22
Iron (Fe)			98.4		%		80-120	16-MAR-22
Magnesium (Mg)			92.4		%		70-130	16-MAR-22
Manganese (Mn)			92.4		%		80-120	16-MAR-22
Molybdenum (Mo)			93.2		%		70-130	16-MAR-22
Nickel (Ni)			94.5		%		80-120	16-MAR-22
Lead (Pb)			96.1		%		80-120	16-MAR-22
Antimony (Sb)			91.5		%		80-120	16-MAR-22
Selenium (Se)			93.2		%		80-120	16-MAR-22
Thallium (Tl)			91.6		%		70-130	16-MAR-22
Uranium (U)			93.7		%		70-130	16-MAR-22
Vanadium (V)			92.9		%		80-120	16-MAR-22
Zinc (Zn)			100.0		%		80-120	16-MAR-22
Bismuth (Bi)			90.9		%		70-130	16-MAR-22
Boron (B)			97.8		%		70-130	16-MAR-22
Phosphorus (P)			92.0		%		70-130	16-MAR-22
Strontium (Sr)			92.1		%		70-130	16-MAR-22
Tin (Sn)			95.0		%		70-130	16-MAR-22
Titanium (Ti)			89.0		%		70-130	16-MAR-22
Zirconium (Zr)			85.6		%		70-130	16-MAR-22
WG3706551-1 MB								

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5746672								
WG3706551-1 MB								
Silver (Ag)			<0.090		ug		0.09	16-MAR-22
Aluminum (Al)			<9.0		ug		9	16-MAR-22
Arsenic (As)			<3.0		ug		3	16-MAR-22
Barium (Ba)			<0.50		ug		0.5	16-MAR-22
Beryllium (Be)			<0.050		ug		0.05	16-MAR-22
Cadmium (Cd)			<0.027		ug		0.027	16-MAR-22
Cobalt (Co)			<0.030		ug		0.03	16-MAR-22
Chromium (Cr)			<3.4		ug		3.4	16-MAR-22
Copper (Cu)			1.8	A	ug		1	16-MAR-22
Iron (Fe)			<12		ug		12	16-MAR-22
Magnesium (Mg)			<60		ug		60	16-MAR-22
Manganese (Mn)			<0.45		ug		0.45	16-MAR-22
Molybdenum (Mo)			<0.36		ug		0.36	16-MAR-22
Nickel (Ni)			<0.25		ug		0.25	16-MAR-22
Lead (Pb)			<0.12		ug		0.12	16-MAR-22
Antimony (Sb)			<0.25		ug		0.25	16-MAR-22
Selenium (Se)			<1.3		ug		1.25	16-MAR-22
Thallium (Tl)			<0.090		ug		0.09	16-MAR-22
Uranium (U)			<0.0060		ug		0.006	16-MAR-22
Vanadium (V)			<5.0		ug		10	16-MAR-22
Zinc (Zn)			<4.5		ug		4.5	16-MAR-22
Bismuth (Bi)			<1.8		ug		1.8	16-MAR-22
Boron (B)			<15		ug		15	16-MAR-22
Phosphorus (P)			<750		ug		750	16-MAR-22
Strontium (Sr)			<3.0		ug		3	16-MAR-22
Tin (Sn)			<0.60		ug		0.6	16-MAR-22
Titanium (Ti)			<11		ug		10.5	16-MAR-22
Zirconium (Zr)			<2.0		ug		2	16-MAR-22

COMMENTS: Cu observed in the method blank at a level 2x its LOR. Sample data is at least 10x this level, suggesting that any impact to data quality is negligible. PE 18-Mar-22

PART-HIVOL-GRAV-BU	**Filter**							
Batch R5742876								
WG3705962-2 DUP		**L2691296-11**						
Total particulate		11200	11200		ug	0.0	5	08-MAR-22
WG3705962-1 MB								

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5742876								
WG3705962-1 MB								
Total particulate			<100		ug		100	08-MAR-22
PART-M212 F-GRAV-BU	**Filter**							
Batch R5752000								
WG3712039-2 DUP		**L2691296-1**						
Total particulate		<100	<100	RPD-NA	ug	N/A	10	25-MAR-22
WG3712039-1 MB								
Total particulate			<15		ug		15	25-MAR-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

AIR QU/ L2691296-COFC EQUEST FORM

COC #_____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2691296

ENTERED BY: (Lab Use Only) P. Stastny

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM10-4-02-22	04-Feb		9017			3.9			X								-1
SP1-PM2.5-04-02-22	04-Feb		9018			7.5				X							-2
SP1-PM2.5-10-02-22	10-Feb		9027			7.5				X							-3
SP1-PM10-16-02-22	16-Feb		9026			5.7			X								-4
SP1-PM2.5-16-02-22	16-Feb		0759			7.6				X							-5
SP1-PM10-22-02-22	22-Feb		0806			7.3			X								-6
SP1-PM2.5-22-02-22	22-Feb		0805			5.9				X							-7

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)
☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY: Mark Ridgwall	DATE & TIME: March 7, 2022	RECEIVED BY: PS	DATE & TIME:
RELINQUISHED BY:	DATE & TIME: 08:30	RECEIVED AT LAB BY:	DATE & TIME: 8-Mar-22

SIF OBSERVATIONS: Yes ☑ No ☐ INITIALS: PS

CUSTODY SEAL INTACT: Yes ☐ No ☐ N/A ☑

November 2018 Front

AIR QUALITY CHAIN [illegible] RM

L2691296-COFC

COC #_____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2691296

ENTERED BY: (Lab Use Only) P.Stastny

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM10-28-02-22 ✓	28-Feb		0808			7.5			X								-8
SP1-PM2.5-28-02-22 ✓	28-Feb		0804			7.7				X							-9
SP1-PM10-29-01-22 ✓	29-Jan		9011 ~~(4030)~~ 0814			7.3			X								-10

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY: Mark Ridgway	DATE & TIME: March 7, 2022	RECEIVED BY:	DATE & TIME	SIF OBSERVATIONS: Yes ☐ No ☑ N/A ☐ (PS)
RELINQUISHED BY:	DATE & TIME: 08:30	RECEIVED AT LAB BY: PStastny	DATE & TIME: 8-Mar-22	CUSTODY SEAL INTACT: Yes ☐ No ☐ N/A ☑

INITIALS: BS

November 2018 Front

AIR QUALITY REQUEST FORM

L2691296-COFC

COC #_____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2691296

ENTERED BY: (Lab Use Only) P.S

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-TSP-10-02-22	10-Feb		742365		AA	1651	X	X				X					-11
SP2-TSP-16-02-22	16-Feb		742376		AA	1670	X	X				X					-12
SP2-TSP-22-02-22	22-Feb		742366		AA	1651	X	X				X					-13
SP2-TSP-28-02-22	28-Feb		742367		AA	1716	X	X				X					-14

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP

SAMPLED BY: Mark Ridgway	DATE & TIME: March 7, 2022	RECEIVED BY:	DATE & TIME	SIF OBSERVATIONS: Yes ☐ No ☑	INITIALS: PS
RELINQUISHED BY:	DATE & TIME: 08:30	RECEIVED AT LAB BY:	DATE & TIME: 8-Mar-22 11:30	CUSTODY SEAL INTACT: Yes ☐ No ☐ N/A ☑	

November 2018 Front

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

- Regular Service ☑
- Priority Service ☐
- Emergency Service ☐
- Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2691296

ENTERED BY: (Lab Use Only) PS 7as 7my

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-29-01-22 ✓	29-Jan	12:00	9030		AA	24			X								-15
SP2-PM10-04-02-22 ✓	04-Feb	12:00	0760		AA	24			X								-16
SP2-PM10-10-02-22 ✓	10-Feb	12:00	9025		AA	24			X								-17
SP2-PM10-16-02-22 ✓	16-Feb	12:00	~~0746~~ (0764)		AA	24			X								-18
SP2-PM10-22-02-22 ✗ (Not Received)	22-Feb	12:00	0809		AA	24			X								-19

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

- ☐ FROZEN
- ☐ COLD
- ☐ COOLING INITIATED
- ☐ AMBIENT

MEAN TEMP

SAMPLED BY: Mark Ridgway	DATE & TIME: March 7, 2022	RECEIVED BY:	DATE & TIME	SIF OBSERVATIONS: Yes ☐ No ☑	INITIALS: PS
RELINQUISHED BY:	DATE & TIME: 08:30	RECEIVED AT LAB BY: PS 7as 7my	DATE & TIME: 8-Mar-22, 11:30	CUSTODY SEAL INTACT: Yes ☐ No ☐ N/A ☑	

November 2018 Front

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 15-JUL-22
Report Date: 19-AUG-22 09:43 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2722712

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-1 SP1-PM2.5-29-04-22 Sampled By: Mark Ridgway on 29-APR-22 Matrix: 47mm Filter							
Field Tests							
Air volume 8.1 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	3.2		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	26		15	ug		15-JUL-22	R5840977
L2722712-2 SP1-PM2.5-03-05-22 Sampled By: Mark Ridgway on 03-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 7.8 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	7.6		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	59		15	ug		15-JUL-22	R5840977
L2722712-3 SP1-PM2.5-05-05-22 Sampled By: Mark Ridgway on 05-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 8.1 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	7.0		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	57		15	ug		15-JUL-22	R5840977
L2722712-4 SP1-PM2.5-08-05-22 Sampled By: Mark Ridgway on 08-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 8 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	<1.9		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	<15		15	ug		15-JUL-22	R5840977
L2722712-5 SP1-PM2.5-11-05-22 Sampled By: Mark Ridgway on 11-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 8 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	8.3		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	66		15	ug		15-JUL-22	R5840977
L2722712-6 SP1-PM2.5-13-05-22 Sampled By: Mark Ridgway on 13-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 8.1 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	<1.9		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	<15		15	ug		15-JUL-22	R5840977
Report Remarks : Sample shows an overall significant loss in mass, sustained prior to submission to the laboratory. Filter shows no sign of damage that would explain result. Result is truncated by LOR, but is compromised. PE 11-Aug-22							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-7	SP1-PM2.5-16-05-22								
Sampled By:	Mark Ridgway on 16-MAY-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			11.0		1.9	ug/m3		15-JUL-22	R5840977
Total particulate			88		15	ug		15-JUL-22	R5840977
L2722712-8	SP1-PM2.5-19-05-22								
Sampled By:	Mark Ridgway on 19-MAY-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	16.2 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			5.68		0.93	ug/m3		15-JUL-22	R5840977
Total particulate			92		15	ug		15-JUL-22	R5840977
L2722712-9	SP1-PM2.5-01-06-22								
Sampled By:	Mark Ridgway on 01-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8.1 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			12.0		1.9	ug/m3		15-JUL-22	R5840977
Total particulate			97		15	ug		15-JUL-22	R5840977
L2722712-10	SP1-PM2.5-07-06-22								
Sampled By:	Mark Ridgway on 07-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	15.8 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			6.71		0.95	ug/m3		15-JUL-22	R5840977
Total particulate			106		15	ug		15-JUL-22	R5840977
L2722712-11	SP1-PM10-29-04-22								
Sampled By:	Mark Ridgway on 29-APR-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	7.8 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			4.9		1.9	ug/m3		15-JUL-22	R5840977
Total particulate			38		15	ug		15-JUL-22	R5840977
L2722712-12	SP1-PM10-03-05-22								
Sampled By:	Mark Ridgway on 03-MAY-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	2.1 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			14.8		7.1	ug/m3		15-JUL-22	R5840977
Total particulate			31		15	ug		15-JUL-22	R5840977
L2722712-13	SP1-PM10-05-05-22								
Sampled By:	Mark Ridgway on 05-MAY-22								

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-13 SP1-PM10-05-05-22 Sampled By: Mark Ridgway on 05-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 7.8 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	14.2		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	111		15	ug		15-JUL-22	R5840977
L2722712-14 SP1-PM10-08-05-22 Sampled By: Mark Ridgway on 08-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 7.8 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	6.3		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	49		15	ug		15-JUL-22	R5840977
L2722712-15 SP1-PM10-11-05-22 Sampled By: Mark Ridgway on 11-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 7.8 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	4.0		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	31		15	ug		15-JUL-22	R5840977
L2722712-16 SP1-PM10-13-05-22 Sampled By: Mark Ridgway on 13-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 7.9 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	6.7		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	53		15	ug		15-JUL-22	R5840977
L2722712-17 SP1-PM10-16-05-22 Sampled By: Mark Ridgway on 16-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 7.8 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	13.2		1.9	ug/m3		15-JUL-22	R5840977
Total particulate	103		15	ug		15-JUL-22	R5840977
L2722712-18 SP1-PM10-19-05-22 Sampled By: Mark Ridgway on 19-MAY-22 Matrix: 47mm Filter							
Field Tests							
Air volume 11.2 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	7.9		1.3	ug/m3		15-JUL-22	R5840977
Total particulate	89		15	ug		15-JUL-22	R5840977
L2722712-19 SP1-PM10-01-06-22 Sampled By: Mark Ridgway on 01-JUN-22							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-19	SP1-PM10-01-06-22								
Sampled By:	Mark Ridgway on 01-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	7.9 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			8.0		1.9	ug/m3		15-JUL-22	R5840977
Total particulate			63		15	ug		15-JUL-22	R5840977
L2722712-20	SP1-PM10-07-06-22								
Sampled By:	Mark Ridgway on 07-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	12.6 m3	Air Conc.						15-JUL-22	R5833080
Particulates									
Total particulate			11.3		1.2	ug/m3		15-JUL-22	R5840977
Total particulate			143		15	ug		15-JUL-22	R5840977
L2722712-21	SP2-TSP-29-04-22								
Sampled By:	Mark Ridgway on 29-APR-22								
Matrix:	Hi Vol Filter								
Field Tests									
Air volume	1711 m3	Air Conc.						25-JUL-22	R5835098
Particulates									
Total particulate			8.53		0.058	ug/m3		25-JUL-22	R5835122
Total particulate			14600		100	ug		25-JUL-22	R5835122
Total Metals									
Aluminum (Al)			0.122		0.0053	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)			209		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)			0.00035		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)			0.59		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)			<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)			<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)			0.00289		0.00029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)			4.95		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)			<0.000029		0.000029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)			<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)			<0.0011		0.0011	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)			<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)			<0.0088		0.0088	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)			<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)			0.000033		0.000016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)			0.057		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)			<0.0020		0.0020	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)			<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)			0.000084		0.000018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)			0.144		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)			0.0550		0.00058	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)			94.1		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)			0.169		0.0070	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)			290		12	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-21 SP2-TSP-29-04-22 Sampled By: Mark Ridgway on 29-APR-22 Matrix: Hi Vol Filter							
Total Metals							
Lead (Pb)	0.000771		0.000070	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	1.32		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.100		0.035	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	171		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00750		0.00026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	12.8		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00215		0.00021	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	3.67		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.00058		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.99		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.44		0.44	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00076		0.00076	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000053		0.000053	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000053		0.000053	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00035		0.00035	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0064		0.0064	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0000092		0.0000035	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0158		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0029		0.0029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0050		0.0026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	8.6		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	<0.0000058		0.0000058	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	<0.010		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-22 SP2-TSP-03-05-22 Sampled By: Mark Ridgway on 03-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1651 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	5.21		0.061	ug/m3		25-JUL-22	R5835122
Total particulate	8600		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.0433		0.0055	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	71.6		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.00041		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.68		0.25	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-22 SP2-TSP-03-05-22 Sampled By: Mark Ridgway on 03-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Arsenic (As)	<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00166		0.00030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	2.75		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000030		0.000030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.0011		0.0011	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0091		0.0091	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.000049		0.000016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.080		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0021		0.0021	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.000058		0.000018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.095		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.148		0.00061	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	245		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.0578		0.0073	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	95		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.000431		0.000073	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.71		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.058		0.036	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	95		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00236		0.00027	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	3.89		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00548		0.00022	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	9.05		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.00049		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.81		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.45		0.45	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00079		0.00079	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000055		0.000055	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000055		0.000055	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00036		0.00036	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0067		0.0067	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-22 SP2-TSP-03-05-22 Sampled By: Mark Ridgway on 03-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Uranium (U)	<0.0000036		0.0000036	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	<0.0060		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0030		0.0030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0034		0.0027	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	5.7		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	<0.0000061		0.0000061	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	<0.010		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-23 SP2-TSP-05-05-22 Sampled By: Mark Ridgway on 05-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1728 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	9.20		0.058	ug/m3		25-JUL-22	R5835122
Total particulate	15900		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.0654		0.0052	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	113		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.00028		0.00014	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.48		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<0.0017		0.0017	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00142		0.00029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	2.45		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000029		0.000029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.0010		0.0010	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0087		0.0087	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.000031		0.000016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.054		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0020		0.0020	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.000060		0.000017	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.104		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.0997		0.00058	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	172		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.108		0.0069	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	187		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.000435		0.000069	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.75		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.070		0.035	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	121		60	ug	05-AUG-22	08-AUG-22	R5838538

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-23 SP2-TSP-05-05-22 Sampled By: Mark Ridgway on 05-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Manganese (Mn)	0.00380		0.00026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	6.57		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00367		0.00021	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	6.35		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.00055		0.00014	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.95		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.43		0.43	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00075		0.00075	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000052		0.000052	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.0017		0.0017	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000052		0.000052	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00035		0.00035	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0064		0.0064	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0000081		0.0000035	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0140		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0029		0.0029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0036		0.0026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	6.2		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	<0.0000058		0.0000058	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	<0.010		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-24 SP2-TSP-08-05-22 Sampled By: Mark Ridgway on 08-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1949 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	8.16		0.051	ug/m3		25-JUL-22	R5835122
Total particulate	15900		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.0603		0.0046	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	117		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.00031		0.00013	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.60		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<0.0015		0.0015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00145		0.00026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	2.83		0.50	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-24 SP2-TSP-08-05-22 Sampled By: Mark Ridgway on 08-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Beryllium (Be)	<0.000026		0.000026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.00092		0.00092	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0077		0.0077	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.000046		0.000014	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.090		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0017		0.0017	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.000069		0.000015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.135		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.0822		0.00051	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	160		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.0817		0.0062	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	159		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.00100		0.000062	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	1.96		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.061		0.031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	118		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00323		0.00023	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	6.30		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00339		0.00018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	6.62		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.00047		0.00013	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.92		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.38		0.38	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00067		0.00067	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000046		0.000046	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.0015		0.0015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000046		0.000046	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00031		0.00031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0056		0.0056	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0000048		0.0000031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0095		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0026		0.0026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-24 SP2-TSP-08-05-22 Sampled By: Mark Ridgway on 08-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Zinc (Zn)	0.0053		0.0023	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	10.3		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	0.0000111		0.0000051	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	0.022		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-25 SP2-TSP-11-05-22 Sampled By: Mark Ridgway on 11-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1516 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	12.5		0.066	ug/m3		25-JUL-22	R5835122
Total particulate	19000		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.123		0.0059	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	187		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.00019		0.00016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.28		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<0.0020		0.0020	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00226		0.00033	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	3.42		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000033		0.000033	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.0012		0.0012	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0099		0.0099	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.000070		0.000018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.106		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0022		0.0022	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.000060		0.000020	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.090		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.128		0.00066	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	194		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.130		0.0079	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	197		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.000300		0.000079	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.45		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.105		0.040	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	159		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00706		0.00030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	10.7		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00442		0.00024	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	6.71		0.36	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-25 SP2-TSP-11-05-22 Sampled By: Mark Ridgway on 11-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Nickel (Ni)	0.00083		0.00016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	1.26		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.49		0.49	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00086		0.00086	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000059		0.000059	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	0.0023		0.0020	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	3.5		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000059		0.000059	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00040		0.00040	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0073		0.0073	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0000083		0.0000040	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0126		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0033		0.0033	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0036		0.0030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	5.4		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	<0.0000066		0.0000066	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	<0.010		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-26 SP2-TSP-13-05-22 Sampled By: Mark Ridgway on 13-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1905 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	6.82		0.052	ug/m3		25-JUL-22	R5835122
Total particulate	13000		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.0470		0.0047	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	89.6		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	<0.00013		0.00013	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	<0.25		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<0.0016		0.0016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00088		0.00026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	1.67		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000026		0.000026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.00094		0.00094	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-26 SP2-TSP-13-05-22 Sampled By: Mark Ridgway on 13-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Boron (B)	<0.0079		0.0079	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.000018		0.000014	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.034		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.000043		0.000016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.081		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.0794		0.00052	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	151		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.0550		0.0063	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	105		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.000239		0.000063	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.45		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.052		0.031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	99		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00302		0.00024	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	5.76		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00352		0.00019	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	6.71		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.00052		0.00013	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.99		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.39		0.39	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00068		0.00068	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000047		0.000047	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.0016		0.0016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000047		0.000047	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00031		0.00031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0058		0.0058	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0000043		0.0000031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0081		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0026		0.0026	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0031		0.0024	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	5.9		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	<0.0000052		0.0000052	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	<0.010		0.010	ug	05-AUG-22	17-AUG-22	R5845065

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-27 SP2-TSP-16-05-22 Sampled By: Mark Ridgway on 16-MAY-22 Matrix: Hi Vol Filter									
Field Tests									
Air volume	1608 m3	Air Conc.						25-JUL-22	R5835098
Particulates									
Total particulate			7.90		0.062	ug/m3		25-JUL-22	R5835122
Total particulate			12700		100	ug		25-JUL-22	R5835122
Total Metals									
Aluminum (Al)			0.0403		0.0056	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)			64.8		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)			0.00017		0.00016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)			0.27		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)			<0.0019		0.0019	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)			<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)			0.00135		0.00031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)			2.16		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)			<0.000031		0.000031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)			<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)			<0.0011		0.0011	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)			<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)			<0.0093		0.0093	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)			<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)			0.000058		0.000017	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)			0.093		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)			<0.0021		0.0021	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)			<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)			0.000030		0.000019	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)			0.048		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)			0.201		0.00062	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)			323		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)			0.0456		0.0075	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)			73		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)			0.000434		0.000075	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)			0.70		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)			0.044		0.037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)			71		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)			0.00237		0.00028	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)			3.82		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)			0.00887		0.00022	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)			14.3		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)			0.00040		0.00016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)			0.64		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)			<0.47		0.47	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)			<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)			<0.00081		0.00081	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)			<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)			0.000066		0.000056	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)			0.107		0.090	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-27 SP2-TSP-16-05-22 Sampled By: Mark Ridgway on 16-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Strontium (Sr)	<0.0019		0.0019	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000056		0.000056	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00037		0.00037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0068		0.0068	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	<0.0000037		0.0000037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	<0.0060		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0031		0.0031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0028		0.0028	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	4.5		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	<0.0000062		0.0000062	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	<0.010		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-28 SP2-TSP-19-05-22 Sampled By: Mark Ridgway on 19-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 3265 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	8.33		0.031	ug/m3		25-JUL-22	R5835122
Total particulate	27200		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.0429		0.0028	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	140		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.000181		0.000077	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.59		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<0.00092		0.00092	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00079		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	2.57		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000015		0.000015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.00055		0.00055	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0046		0.0046	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.0000288		0.0000083	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.094		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0010		0.0010	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.0000349		0.0000092	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.114		0.030	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-28 SP2-TSP-19-05-22 Sampled By: Mark Ridgway on 19-MAY-22 Matrix: Hi Vol Filter							
Total Metals							
Copper (Cu)	0.115		0.00031	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	374		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.0598		0.0037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	195		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.000214		0.000037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.70		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.050		0.018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	163		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00254		0.00014	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	8.28		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00458		0.00011	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	14.9		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.000331		0.000077	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	1.08		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.23		0.23	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00040		0.00040	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	0.000038		0.000028	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	0.123		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.00092		0.00092	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000028		0.000028	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00018		0.00018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0034		0.0034	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0000032		0.0000018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0104		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0015		0.0015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0026		0.0014	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	8.6		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	0.0000039		0.0000031	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	0.013		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-29 SP2-TSP-01-06-22 Sampled By: Mark Ridgway on 01-JUN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1640 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	6.77		0.061	ug/m3		25-JUL-22	R5835122
Total particulate	11100		100	ug		25-JUL-22	R5835122
Total Metals							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-29 SP2-TSP-01-06-22 Sampled By: Mark Ridgway on 01-JUN-22 Matrix: Hi Vol Filter							
Total Metals							
Aluminum (Al)	0.0270		0.0055	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	44.3		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	<0.00015		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	<0.25		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00105		0.00030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	1.73		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000030		0.000030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.0011		0.0011	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0091		0.0091	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.000045		0.000016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.074		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0021		0.0021	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.000022		0.000018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.036		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.0755		0.00061	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	124		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.0324		0.0073	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	53		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.000242		0.000073	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.40		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.066		0.037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	108		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00188		0.00027	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	3.08		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00348		0.00022	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	5.72		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.00048		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.78		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.46		0.46	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00079		0.00079	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000055		0.000055	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000055		0.000055	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-29 SP2-TSP-01-06-22 Sampled By: Mark Ridgway on 01-JUN-22 Matrix: Hi Vol Filter							
Total Metals							
Tin (Sn)	<0.00037		0.00037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0067		0.0067	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	<0.0000037		0.0000037	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	<0.0060		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0030		0.0030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0033		0.0027	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	5.4		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	0.0000066		0.0000061	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	0.011		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-30 SP2-TSP-07-06-22 Sampled By: Mark Ridgway on 07-JUN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 3077 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	14.1		0.032	ug/m3		25-JUL-22	R5835122
Total particulate	43400		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.0491		0.0029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	151		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.000102		0.000081	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	0.31		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<0.00097		0.00097	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00184		0.00016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	5.67		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000016		0.000016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.00058		0.00058	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0049		0.0049	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.0000924		0.0000088	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.284		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0011		0.0011	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.0000253		0.0000097	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.078		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.0746		0.00032	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	230		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.0619		0.0039	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	190		12	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-30 SP2-TSP-07-06-22 Sampled By: Mark Ridgway on 07-JUN-22 Matrix: Hi Vol Filter							
Total Metals							
Lead (Pb)	0.000306		0.000039	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.94		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.052		0.019	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	160		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00304		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	9.36		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00354		0.00012	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	10.9		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.000260		0.000081	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.80		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.24		0.24	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00042		0.00042	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000029		0.000029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<0.00097		0.00097	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000029		0.000029	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00019		0.00019	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0036		0.0036	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0000037		0.0000019	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0113		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0016		0.0016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0029		0.0015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	8.8		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	0.0000073		0.0000032	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	0.023		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-31 SP2-TSP-15-06-22 Sampled By: Mark Ridgway on 15-JUN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1672 m3 Air Conc.						25-JUL-22	R5835098
Particulates							
Total particulate	43.8		0.060	ug/m3		25-JUL-22	R5835122
Total particulate	73200		100	ug		25-JUL-22	R5835122
Total Metals							
Aluminum (Al)	0.342		0.0054	ug/m3	05-AUG-22	08-AUG-22	R5838538
Aluminum (Al)	572		9.0	ug	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	<0.00015		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Antimony (Sb)	<0.25		0.25	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-31 SP2-TSP-15-06-22 Sampled By: Mark Ridgway on 15-JUN-22 Matrix: Hi Vol Filter							
Total Metals							
Arsenic (As)	<0.0018		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Arsenic (As)	<3.0		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	0.00272		0.00030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Barium (Ba)	4.55		0.50	ug	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.000030		0.000030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Beryllium (Be)	<0.050		0.050	ug	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<0.0011		0.0011	ug/m3	05-AUG-22	08-AUG-22	R5838538
Bismuth (Bi)	<1.8		1.8	ug	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<0.0090		0.0090	ug/m3	05-AUG-22	08-AUG-22	R5838538
Boron (B)	<15		15	ug	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.000028		0.000016	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cadmium (Cd)	0.047		0.027	ug	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<0.0020		0.0020	ug/m3	05-AUG-22	08-AUG-22	R5838538
Chromium (Cr)	<3.4		3.4	ug	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.000044		0.000018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Cobalt (Co)	0.073		0.030	ug	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	0.0479		0.00060	ug/m3	05-AUG-22	08-AUG-22	R5838538
Copper (Cu)	80.1		1.0	ug	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	0.103		0.0072	ug/m3	05-AUG-22	08-AUG-22	R5838538
Iron (Fe)	172		12	ug	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.000277		0.000072	ug/m3	05-AUG-22	08-AUG-22	R5838538
Lead (Pb)	0.46		0.12	ug	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	0.101		0.036	ug/m3	05-AUG-22	08-AUG-22	R5838538
Magnesium (Mg)	168		60	ug	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	0.00920		0.00027	ug/m3	05-AUG-22	08-AUG-22	R5838538
Manganese (Mn)	15.4		0.45	ug	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	0.00299		0.00022	ug/m3	05-AUG-22	08-AUG-22	R5838538
Molybdenum (Mo)	5.00		0.36	ug	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.00032		0.00015	ug/m3	05-AUG-22	08-AUG-22	R5838538
Nickel (Ni)	0.54		0.25	ug	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<0.45		0.45	ug/m3	05-AUG-22	08-AUG-22	R5838538
Phosphorus (P)	<750		750	ug	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<0.00078		0.00078	ug/m3	05-AUG-22	08-AUG-22	R5838538
Selenium (Se)	<1.3		1.3	ug	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.000054		0.000054	ug/m3	05-AUG-22	08-AUG-22	R5838538
Silver (Ag)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	0.0029		0.0018	ug/m3	05-AUG-22	08-AUG-22	R5838538
Strontium (Sr)	4.9		3.0	ug	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.000054		0.000054	ug/m3	05-AUG-22	08-AUG-22	R5838538
Thallium (Tl)	<0.090		0.090	ug	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.00036		0.00036	ug/m3	05-AUG-22	08-AUG-22	R5838538
Tin (Sn)	<0.60		0.60	ug	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<0.0066		0.0066	ug/m3	05-AUG-22	08-AUG-22	R5838538
Titanium (Ti)	<11		11	ug	05-AUG-22	08-AUG-22	R5838538

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-31 SP2-TSP-15-06-22 Sampled By: Mark Ridgway on 15-JUN-22 Matrix: Hi Vol Filter							
Total Metals							
Uranium (U)	0.0000105		0.0000036	ug/m3	05-AUG-22	08-AUG-22	R5838538
Uranium (U)	0.0176		0.0060	ug	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<0.0030		0.0030	ug/m3	05-AUG-22	08-AUG-22	R5838538
Vanadium (V)	<5.0		5.0	ug	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	0.0041		0.0027	ug/m3	05-AUG-22	08-AUG-22	R5838538
Zinc (Zn)	6.8		4.5	ug	05-AUG-22	08-AUG-22	R5838538
Extractable Metals							
Mercury (Hg)	<0.0000060		0.0000060	ug/m3	05-AUG-22	17-AUG-22	R5845065
Mercury (Hg)	<0.010		0.010	ug	05-AUG-22	17-AUG-22	R5845065
L2722712-32 SP2-PM10-29-04-22 Sampled By: Mark Ridgway on 29-APR-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 24.03 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	4.16		0.62	ug/m3		15-JUL-22	R5840977
Total particulate	100		15	ug		15-JUL-22	R5840977
L2722712-33 SP2-PM10-03-05-22 Sampled By: Mark Ridgway on 03-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 24.03 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	3.29		0.62	ug/m3		15-JUL-22	R5840977
Total particulate	79		15	ug		15-JUL-22	R5840977
L2722712-34 SP2-PM10-05-05-22 Sampled By: Mark Ridgway on 05-MAY-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 24.03 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	<0.62		0.62	ug/m3		15-JUL-22	R5840977
Total particulate	<15		15	ug		15-JUL-22	R5840977
L2722712-35 SP2-PM10-01-06-22 Sampled By: Mark Ridgway on 01-JUN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 24.03 m3 Air Conc.						15-JUL-22	R5833080
Particulates							
Total particulate	4.70		0.62	ug/m3		15-JUL-22	R5840977
Total particulate	113		15	ug		15-JUL-22	R5840977
L2722712-36 SP2-PM10-07-06-22 Sampled By: Mark Ridgway on 07-JUN-22							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2722712-36 SP2-PM10-07-06-22 Sampled By: Mark Ridgway on 07-JUN-22 Matrix: Hi Vol Filter									
Field Tests									
Air volume	24.02 m3	Air						15-JUL-22	R5833080
	Conc.								
Particulates									
Total particulate			7.12		0.62	ug/m3		15-JUL-22	R5840977
Total particulate			171		15	ug		15-JUL-22	R5840977

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Aluminum (Al)	MS-B	L2722712-21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31
Matrix Spike	Iron (Fe)	MS-B	L2722712-21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31
Matrix Spike	Magnesium (Mg)	MS-B	L2722712-21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31

Sample Parameter Qualifier key listed:

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
HG-IO3.5-CVAA-BU	Filter	Mercury on High Volume Filter by CVAA	USEPA Method IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the CVAA instrument for analysis.

MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-HIVOL-GRAV-BU	Filter	Particulate on High Volume Filter	USEPA IO3.1
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-IO3.5-CVAA-BU	**Filter**							
Batch R5845065								
WG3755670-2 LCS								
Mercury (Hg)			89.0		ug		70-130	17-AUG-22
WG3755670-1 MB								
Mercury (Hg)			<0.0050		ug		0.005	17-AUG-22
MET-IO3.5-MS-BU	**Filter**							
Batch R5838538								
WG3755670-2 LCS								
Silver (Ag)			95.0		%		70-130	08-AUG-22
Aluminum (Al)			95.5		%		70-130	08-AUG-22
Arsenic (As)			92.3		%		80-120	08-AUG-22
Barium (Ba)			89.2		%		70-130	08-AUG-22
Beryllium (Be)			101.0		%		70-130	08-AUG-22
Cadmium (Cd)			93.2		%		80-120	08-AUG-22
Cobalt (Co)			92.7		%		80-120	08-AUG-22
Chromium (Cr)			92.7		%		80-120	08-AUG-22
Copper (Cu)			93.5		%		80-120	08-AUG-22
Iron (Fe)			99.0		%		80-120	08-AUG-22
Magnesium (Mg)			96.8		%		70-130	08-AUG-22
Manganese (Mn)			92.7		%		80-120	08-AUG-22
Molybdenum (Mo)			87.2		%		70-130	08-AUG-22
Nickel (Ni)			93.1		%		80-120	08-AUG-22
Lead (Pb)			90.6		%		80-120	08-AUG-22
Antimony (Sb)			95.0		%		80-120	08-AUG-22
Selenium (Se)			101.0		%		80-120	08-AUG-22
Thallium (Tl)			89.6		%		70-130	08-AUG-22
Uranium (U)			91.6		%		70-130	08-AUG-22
Vanadium (V)			93.6		%		80-120	08-AUG-22
Zinc (Zn)			98.0		%		80-120	08-AUG-22
Bismuth (Bi)			88.6		%		70-130	08-AUG-22
Boron (B)			103.0		%		70-130	08-AUG-22
Phosphorus (P)			92.0		%		70-130	08-AUG-22
Strontium (Sr)			93.9		%		70-130	08-AUG-22
Tin (Sn)			92.6		%		70-130	08-AUG-22
Titanium (Ti)			92.4		%		70-130	08-AUG-22
Zirconium (Zr)			88.4		%		70-130	08-AUG-22
WG3755670-1 MB								

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5838538								
WG3755670-1 MB								
Silver (Ag)			<0.090		ug		0.09	08-AUG-22
Aluminum (Al)			<9.0		ug		9	08-AUG-22
Arsenic (As)			<3.0		ug		3	08-AUG-22
Barium (Ba)			<0.50		ug		0.5	08-AUG-22
Beryllium (Be)			<0.050		ug		0.05	08-AUG-22
Cadmium (Cd)			<0.027		ug		0.027	08-AUG-22
Cobalt (Co)			<0.030		ug		0.03	08-AUG-22
Chromium (Cr)			<3.4		ug		3.4	08-AUG-22
Copper (Cu)			<1.0		ug		1	08-AUG-22
Iron (Fe)			<12		ug		12	08-AUG-22
Magnesium (Mg)			<60		ug		60	08-AUG-22
Manganese (Mn)			<0.45		ug		0.45	08-AUG-22
Molybdenum (Mo)			<0.36		ug		0.36	08-AUG-22
Nickel (Ni)			<0.25		ug		0.25	08-AUG-22
Lead (Pb)			<0.12		ug		0.12	08-AUG-22
Antimony (Sb)			<0.25		ug		0.25	08-AUG-22
Selenium (Se)			<1.3		ug		1.25	08-AUG-22
Thallium (Tl)			<0.090		ug		0.09	08-AUG-22
Uranium (U)			<0.0060		ug		0.006	08-AUG-22
Vanadium (V)			<5.0		ug		10	08-AUG-22
Zinc (Zn)			<4.5		ug		4.5	08-AUG-22
Bismuth (Bi)			<1.8		ug		1.8	08-AUG-22
Boron (B)			<15		ug		15	08-AUG-22
Phosphorus (P)			<750		ug		750	08-AUG-22
Strontium (Sr)			<3.0		ug		3	08-AUG-22
Tin (Sn)			<0.60		ug		0.6	08-AUG-22
Titanium (Ti)			<11		ug		10.5	08-AUG-22
Zirconium (Zr)			<2.0		ug		2	08-AUG-22
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5835122								
WG3754633-2 DUP		**L2722712-21**						
Total particulate		14600	14600		ug	0.0	5	25-JUL-22
WG3754633-1 MB								
Total particulate			<100		ug		100	25-JUL-22

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-M212 F-GRAV-BU	**Filter**							
Batch R5840977								
WG3756404-10 DUP		**L2722712-32**						
Total particulate		100	100		ug	0.0	10	15-JUL-22
WG3756404-8 DUP		**L2722712-1**						
Total particulate		26	26		ug	0.0	10	15-JUL-22
WG3756404-7 MB								
Total particulate			<15		ug		15	15-JUL-22
WG3756404-9 MB								
Total particulate			<15		ug		15	15-JUL-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 23-AUG-22
Report Date: 14-SEP-22 14:59 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2729595

Project P.O. #: NOT SUBMITTED
Job Reference: 271-04-08
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-1 SP2-TSP-21-06-22 Sampled By: FMG on 21-JUN-22 Matrix: Hi Vol Filter									
Field Tests									
Air volume	1791 m3	Air Conc.						01-SEP-22	R5853560
Particulates									
Total particulate			14.0		0.056	ug/m3		31-AUG-22	R5856897
Total particulate			25000		100	ug		31-AUG-22	R5856897
Total Metals									
Aluminum (Al)			0.137		0.0050	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)			245		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)			0.00019		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)			0.34		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)			<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)			<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)			0.00271		0.00028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)			4.86		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)			<0.000028		0.000028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)			<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)			<0.0010		0.0010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)			<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)			<0.0084		0.0084	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)			<15		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)			0.000043		0.000015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)			0.078		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)			<0.0019		0.0019	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)			<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)			0.000097		0.000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)			0.173		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)			0.105		0.00056	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)			188		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)			0.189		0.0067	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)			338		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)			0.000387		0.000067	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)			0.69		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)			0.117		0.034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)			210		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)			0.00721		0.00025	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)			12.9		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)			0.00410		0.00020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)			7.34		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)			0.00069		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)			1.24		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)			<0.42		0.42	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)			<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)			<0.00073		0.00073	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)			<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)			<0.000050		0.000050	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)			<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-1 SP2-TSP-21-06-22 Sampled By: FMG on 21-JUN-22 Matrix: Hi Vol Filter							
Total Metals							
Strontium (Sr)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000050		0.000050	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.00034		0.00034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.60		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0061		0.0061	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0000123		0.0000034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0221		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0028		0.0028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0046		0.0025	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	8.3		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	<0.0000056		0.0000056	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	<0.010		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-2 SP2-TSP-27-06-22 Sampled By: FMG on 27-JUN-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 3511 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	10.0		0.028	ug/m3		31-AUG-22	R5856897
Total particulate	35200		100	ug		31-AUG-22	R5856897
Total Metals							
Aluminum (Al)	0.0861		0.0026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	302		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.000121		0.000071	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.43		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<0.00085		0.00085	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00092		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	3.23		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.000014		0.000014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.00051		0.00051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)	<0.0043		0.0043	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	<15		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.0000345		0.0000077	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.121		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.00097		0.00097	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.0000754		0.0000085	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.265		0.030	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-2 SP2-TSP-27-06-22 Sampled By: FMG on 27-JUN-22 Matrix: Hi Vol Filter							
Total Metals							
Copper (Cu)	0.125		0.00028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	441		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.149		0.0034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	522		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.000244		0.000034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.86		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.053		0.017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	187		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	0.00324		0.00013	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	11.4		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.00664		0.00010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	23.3		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.000404		0.000071	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	1.42		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.21		0.21	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00037		0.00037	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.000044		0.000026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.156		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.00085		0.00085	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000026		0.000026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.00017		0.00017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.60		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	0.0057		0.0031	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	20		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0000042		0.0000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0149		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0014		0.0014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0022		0.0013	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	7.6		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	0.0000038		0.0000028	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	0.014		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-3 SP2-TSP-07-07-22 Sampled By: FMG on 07-JUL-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1659 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	11.5		0.060	ug/m3		31-AUG-22	R5856897
Total particulate	19100		100	ug		31-AUG-22	R5856897
Total Metals							

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-3 SP2-TSP-07-07-22 Sampled By: FMG on 07-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Aluminum (Al)	0.0491		0.0054	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	81.5		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.00033		0.00015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.55		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<0.0018		0.0018	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00143		0.00030	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	2.37		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.000030		0.000030	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.0011		0.0011	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)	0.0094		0.0090	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	16		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.000050		0.000016	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.082		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.0020		0.0020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.000036		0.000018	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.059		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	0.256		0.00060	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	425		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.0646		0.0072	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	107		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.000548		0.000072	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.91		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.063		0.036	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	105		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	0.00249		0.00027	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	4.14		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.0143		0.00022	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	23.7		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.00065		0.00015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	1.08		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.45		0.45	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00078		0.00078	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.000084		0.000054	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.140		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.0018		0.0018	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000054		0.000054	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-3 SP2-TSP-07-07-22 Sampled By: FMG on 07-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Tin (Sn)	<0.00036		0.00036	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.60		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0066		0.0066	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0000036		0.0000036	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0060		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0030		0.0030	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0080		0.0027	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	13.3		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	0.0000081		0.0000060	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	0.014		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-4 SP2-TSP-13-07-22 Sampled By: FMG on 13-JUL-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1738 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	12.7		0.058	ug/m3		31-AUG-22	R5856897
Total particulate	22000		100	ug		31-AUG-22	R5856897
Total Metals							
Aluminum (Al)	0.0326		0.0052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	56.7		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	<0.00014		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	<0.25		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00113		0.00029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	1.96		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.000029		0.000029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.0010		0.0010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)	0.0088		0.0086	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	15		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.000032		0.000016	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.056		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.0020		0.0020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.000032		0.000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.055		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	0.216		0.00058	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	376		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.0484		0.0069	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	84		12	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-4 SP2-TSP-13-07-22 Sampled By: FMG on 13-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Lead (Pb)	0.000221		0.000069	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.38		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.056		0.035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	98		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	0.00223		0.00026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	3.87		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.0120		0.00021	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	20.8		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.00060		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	1.04		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.43		0.43	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00075		0.00075	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.000073		0.000052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.127		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000052		0.000052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.00035		0.00035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.60		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0063		0.0063	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0000035		0.0000035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0060		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0029		0.0029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0041		0.0026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	7.1		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	0.0000119		0.0000058	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	0.021		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-5 SP2-TSP-19-07-22 Sampled By: FMG on 19-JUL-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1758 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	13.3		0.057	ug/m3		31-AUG-22	R5856897
Total particulate	23300		100	ug		31-AUG-22	R5856897
Total Metals							
Aluminum (Al)	0.0310		0.0051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	54.5		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.00017		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.29		0.25	ug	07-SEP-22	08-SEP-22	R5857118

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-5 SP2-TSP-19-07-22 Sampled By: FMG on 19-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Arsenic (As)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00124		0.00028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	2.17		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.000028		0.000028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.0010		0.0010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)	<0.0085		0.0085	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	<15		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.000033		0.000015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.058		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.0019		0.0019	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.000026		0.000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.045		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	0.134		0.00057	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	236		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.0448		0.0068	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	79		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.000901		0.000068	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	1.58		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.050		0.034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	88		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	0.00338		0.00026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	5.94		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.00765		0.00020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	13.5		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.00048		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.85		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.43		0.43	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00074		0.00074	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.000051		0.000051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000051		0.000051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	0.00043		0.00034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	0.75		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0063		0.0063	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-5 SP2-TSP-19-07-22 Sampled By: FMG on 19-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Uranium (U)	<0.0000034		0.0000034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0060		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0028		0.0028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0042		0.0026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	7.4		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	<0.0000057		0.0000057	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	<0.010		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-6 SP2-TSP-25-07-22 Sampled By: FMG on 25-JUL-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1730 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	11.5		0.058	ug/m3		31-AUG-22	R5856897
Total particulate	19900		100	ug		31-AUG-22	R5856897
Total Metals							
Aluminum (Al)	0.0369		0.0052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	63.9		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.00019		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.32		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00097		0.00029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	1.68		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.000029		0.000029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.0010		0.0010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)	<0.0087		0.0087	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	<15		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.000023		0.000016	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.041		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.0020		0.0020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.000035		0.000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.061		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	0.120		0.00058	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	208		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.0601		0.0069	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	104		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.000203		0.000069	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.35		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.075		0.035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	131		60	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-6 SP2-TSP-25-07-22 Sampled By: FMG on 25-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Manganese (Mn)	0.00328		0.00026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	5.67		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.00692		0.00021	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	12.0		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.00052		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.89		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.43		0.43	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00075		0.00075	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.000052		0.000052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000052		0.000052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	0.00338		0.00035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	5.85		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0064		0.0064	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0000035		0.0000035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0060		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0029		0.0029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0044		0.0026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	7.7		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	0.0000088		0.0000058	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	0.015		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-7 SP2-TSP-31-07-22 Sampled By: FMG on 31-JUL-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1765 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	7.25		0.057	ug/m3		31-AUG-22	R5856897
Total particulate	12800		100	ug		31-AUG-22	R5856897
Total Metals							
Aluminum (Al)	0.0278		0.0051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	49.1		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.00048		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.86		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00260		0.00028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	4.59		0.50	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-7 SP2-TSP-31-07-22 Sampled By: FMG on 31-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Beryllium (Be)	<0.000028		0.000028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.0010		0.0010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)	0.0139		0.0085	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	25		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.000026		0.000015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.045		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.0019		0.0019	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.000029		0.000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.050		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	0.119		0.00057	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	209		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.0319		0.0068	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	56		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.000243		0.000068	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.43		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.059		0.034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	104		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	0.00199		0.00025	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	3.52		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.00808		0.00020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	14.3		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.00059		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	1.04		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.42		0.42	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00074		0.00074	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.000051		0.000051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000051		0.000051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.00034		0.00034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.60		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0062		0.0062	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0000034		0.0000034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	<0.0060		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0028		0.0028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-7 SP2-TSP-31-07-22 Sampled By: FMG on 31-JUL-22 Matrix: Hi Vol Filter							
Total Metals							
Zinc (Zn)	0.0049		0.0025	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	8.6		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	0.0000076		0.0000057	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	0.014		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-8 SP2-TSP-05-08-22 Sampled By: FMG on 05-AUG-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1760 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	9.43		0.057	ug/m3		31-AUG-22	R5856897
Total particulate	16600		100	ug		31-AUG-22	R5856897
Total Metals							
Aluminum (Al)	0.0547		0.0051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	96.3		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.00014		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.25		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00158		0.00028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	2.77		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.000028		0.000028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.0010		0.0010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118
Boron (B)	0.0106		0.0085	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	19		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.000036		0.000015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.063		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.0019		0.0019	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.000054		0.000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.095		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	0.0890		0.00057	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	157		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.0949		0.0068	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	167		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.000309		0.000068	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.54		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.119		0.034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	209		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	0.00473		0.00026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	8.33		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.00501		0.00020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	8.82		0.36	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-8 SP2-TSP-05-08-22 Sampled By: FMG on 05-AUG-22 Matrix: Hi Vol Filter							
Total Metals							
Nickel (Ni)	0.00059		0.00014	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	1.04		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.43		0.43	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00074		0.00074	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.000051		0.000051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000051		0.000051	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.00034		0.00034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.60		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0063		0.0063	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0000056		0.0000034	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0099		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0028		0.0028	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0032		0.0026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	5.6		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	0.0000072		0.0000057	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	0.013		0.010	ug	07-SEP-22	09-SEP-22	R5857220
L2729595-9 SP2-TSP-11-08-22 Sampled By: FMG on 11-AUG-22 Matrix: Hi Vol Filter							
Field Tests							
Air volume 1722 m3 Air Conc.						01-SEP-22	R5853560
Particulates							
Total particulate	10.6		0.058	ug/m3		31-AUG-22	R5856897
Total particulate	18300		100	ug		31-AUG-22	R5856897
Total Metals							
Aluminum (Al)	0.0873		0.0052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Aluminum (Al)	150		9.0	ug	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.00017		0.00015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Antimony (Sb)	0.30		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Arsenic (As)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	0.00163		0.00029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Barium (Ba)	2.81		0.50	ug	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.000029		0.000029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Beryllium (Be)	<0.050		0.050	ug	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<0.0010		0.0010	ug/m3	07-SEP-22	08-SEP-22	R5857118
Bismuth (Bi)	<1.8		1.8	ug	07-SEP-22	08-SEP-22	R5857118

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-9 SP2-TSP-11-08-22 Sampled By: FMG on 11-AUG-22 Matrix: Hi Vol Filter							
Total Metals							
Boron (B)	0.0123		0.0087	ug/m3	07-SEP-22	08-SEP-22	R5857118
Boron (B)	21		15	ug	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.000504		0.000016	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cadmium (Cd)	0.869		0.027	ug	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<0.0020		0.0020	ug/m3	07-SEP-22	08-SEP-22	R5857118
Chromium (Cr)	<3.4		3.4	ug	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.000069		0.000017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Cobalt (Co)	0.119		0.030	ug	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	0.185		0.00058	ug/m3	07-SEP-22	08-SEP-22	R5857118
Copper (Cu)	319		1.0	ug	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	0.137		0.0070	ug/m3	07-SEP-22	08-SEP-22	R5857118
Iron (Fe)	237		12	ug	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.000345		0.000070	ug/m3	07-SEP-22	08-SEP-22	R5857118
Lead (Pb)	0.59		0.12	ug	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	0.096		0.035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Magnesium (Mg)	166		60	ug	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	0.00392		0.00026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Manganese (Mn)	6.75		0.45	ug	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	0.0103		0.00021	ug/m3	07-SEP-22	08-SEP-22	R5857118
Molybdenum (Mo)	17.7		0.36	ug	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	0.00068		0.00015	ug/m3	07-SEP-22	08-SEP-22	R5857118
Nickel (Ni)	1.18		0.25	ug	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<0.44		0.44	ug/m3	07-SEP-22	08-SEP-22	R5857118
Phosphorus (P)	<750		750	ug	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<0.00075		0.00075	ug/m3	07-SEP-22	08-SEP-22	R5857118
Selenium (Se)	<1.3		1.3	ug	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.000067		0.000052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Silver (Ag)	0.116		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<0.0017		0.0017	ug/m3	07-SEP-22	08-SEP-22	R5857118
Strontium (Sr)	<3.0		3.0	ug	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.000052		0.000052	ug/m3	07-SEP-22	08-SEP-22	R5857118
Thallium (Tl)	<0.090		0.090	ug	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.00035		0.00035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Tin (Sn)	<0.60		0.60	ug	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<0.0064		0.0064	ug/m3	07-SEP-22	08-SEP-22	R5857118
Titanium (Ti)	<11		11	ug	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0000057		0.0000035	ug/m3	07-SEP-22	08-SEP-22	R5857118
Uranium (U)	0.0099		0.0060	ug	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<0.0029		0.0029	ug/m3	07-SEP-22	08-SEP-22	R5857118
Vanadium (V)	<5.0		5.0	ug	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	0.0036		0.0026	ug/m3	07-SEP-22	08-SEP-22	R5857118
Zinc (Zn)	6.3		4.5	ug	07-SEP-22	08-SEP-22	R5857118
Extractable Metals							
Mercury (Hg)	0.0000094		0.0000058	ug/m3	07-SEP-22	09-SEP-22	R5857220
Mercury (Hg)	0.016		0.010	ug	07-SEP-22	09-SEP-22	R5857220

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Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-10	SP1-PM2.5-21-06-22								
Sampled By:	FMG on 21-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8.1 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			4.1		1.9	ug/m3		23-AUG-22	R5858917
Total particulate			33		15	ug		23-AUG-22	R5858917
L2729595-11	SP1-PM2.5-27-06-22								
Sampled By:	FMG on 27-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	15.9 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			<0.94		0.94	ug/m3		23-AUG-22	R5858917
Total particulate			<15		15	ug		23-AUG-22	R5858917
Report Remarks : Sample shows signs of damage, sustained prior to submission to the laboratory. Result indicates an overall loss of mass, which is consistent with the observed damage. Sample data is biased low. PE 13-Sep-22									
L2729595-12	SP1-PM2.5-19-07-22								
Sampled By:	FMG on 19-JUL-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8.2 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			9.8		1.8	ug/m3		23-AUG-22	R5858917
Total particulate			80		15	ug		23-AUG-22	R5858917
L2729595-14	SP1-PM2.5-31-07-22								
Sampled By:	FMG on 31-JUL-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8.2 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			50.5		1.8	ug/m3		23-AUG-22	R5858917
Total particulate			414		15	ug		23-AUG-22	R5858917
L2729595-15	SP1-PM2.5-05-08-22								
Sampled By:	FMG on 05-AUG-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	17.8 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			4.33		0.84	ug/m3		23-AUG-22	R5858917
Total particulate			77		15	ug		23-AUG-22	R5858917
L2729595-16	SP1-PM2.5-11-08-22								
Sampled By:	FMG on 11-AUG-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8.2 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			8.9		1.8	ug/m3		23-AUG-22	R5858917
Total particulate			73		15	ug		23-AUG-22	R5858917

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Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-16	SP1-PM2.5-11-08-22								
Sampled By:	FMG on 11-AUG-22								
Matrix:	47mm Filter								
Particulates									
L2729595-17	SP1-PM2.5-15-06-22								
Sampled By:	FMG on 15-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8.1 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			13.3		1.9	ug/m3		23-AUG-22	R5858917
Total particulate			108		15	ug		23-AUG-22	R5858917
L2729595-18	SP2-PM10-21-06-22								
Sampled By:	FMG on 21-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	8 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			30.8		1.9	ug/m3		23-AUG-22	R5858917
Total particulate			246		15	ug		23-AUG-22	R5858917
L2729595-19	SP2-PM10-27-06-22								
Sampled By:	FMG on 27-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24.03 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			2.58		0.62	ug/m3		23-AUG-22	R5858917
Total particulate			62		15	ug		23-AUG-22	R5858917
L2729595-20	SP2-PM10-07-07-22								
Sampled By:	FMG on 07-JUL-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24.03 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			10.2		0.62	ug/m3		23-AUG-22	R5858917
Total particulate			245		15	ug		23-AUG-22	R5858917
L2729595-21	SP2-PM10-13-07-22								
Sampled By:	FMG on 13-JUL-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24.03 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			8.49		0.62	ug/m3		23-AUG-22	R5858917
Total particulate			204		15	ug		23-AUG-22	R5858917
L2729595-22	SP2-PM10-19-07-22								
Sampled By:	FMG on 19-JUL-22								
Matrix:	47mm Filter								
Field Tests									

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-22	SP2-PM10-19-07-22								
Sampled By:	FMG on 19-JUL-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24.03 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			11.7		0.62	ug/m3		23-AUG-22	R5858917
Total particulate			281		15	ug		23-AUG-22	R5858917
L2729595-24	SP2-PM10-31-07-22								
Sampled By:	FMG on 31-JUL-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24.02 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			42.0		0.62	ug/m3		23-AUG-22	R5858917
Total particulate			1010		15	ug		23-AUG-22	R5858917
L2729595-25	SP2-PM10-15-06-22								
Sampled By:	FMG on 15-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24.02 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			8.33		0.62	ug/m3		23-AUG-22	R5858917
Total particulate			200		15	ug		23-AUG-22	R5858917
L2729595-26	SP1-PM10-21-06-22								
Sampled By:	FMG on 21-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			2.38		0.63	ug/m3		23-AUG-22	R5858917
Total particulate			57		15	ug		23-AUG-22	R5858917
L2729595-27	SP1-PM10-27-06-22								
Sampled By:	FMG on 27-JUN-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	24.03 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			2.50		0.62	ug/m3		23-AUG-22	R5858917
Total particulate			60		15	ug		23-AUG-22	R5858917
L2729595-28	SP1-PM10-07-07-22								
Sampled By:	FMG on 07-JUL-22								
Matrix:	47mm Filter								
Field Tests									
Air volume	10.04 m3	Air Conc.						23-AUG-22	R5853597
Particulates									

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-28 SP1-PM10-07-07-22 Sampled By: FMG on 07-JUL-22 Matrix: 47mm Filter							
Particulates							
Total particulate	12.8		1.5	ug/m3		23-AUG-22	R5858917
Total particulate	129		15	ug		23-AUG-22	R5858917
L2729595-29 SP1-PM10-13-07-22 Sampled By: FMG on 13-JUL-22 Matrix: 47mm Filter							
Field Tests							
Air volume 7.95 m3 Air Conc.						23-AUG-22	R5853597
Particulates							
Total particulate	18.6		1.9	ug/m3		23-AUG-22	R5858917
Total particulate	148		15	ug		23-AUG-22	R5858917
L2729595-30 SP1-PM10-19-07-22 Sampled By: FMG on 19-JUL-22 Matrix: 47mm Filter							
Field Tests							
Air volume 13.26 m3 Air Conc.						23-AUG-22	R5853597
Particulates							
Total particulate	10.9		1.1	ug/m3		23-AUG-22	R5858917
Total particulate	145		15	ug		23-AUG-22	R5858917
L2729595-31 SP1-PM10-25-07-22 Sampled By: FMG on 25-JUL-22 Matrix: 47mm Filter							
Field Tests							
Air volume 8 m3 Air Conc.						23-AUG-22	R5853597
Particulates							
Total particulate	11.0		1.9	ug/m3		23-AUG-22	R5858917
Total particulate	88		15	ug		23-AUG-22	R5858917
L2729595-32 SP1-PM10-31-07-22 Sampled By: FMG on 31-JUL-22 Matrix: 47mm Filter							
Field Tests							
Air volume 8 m3 Air Conc.						23-AUG-22	R5853597
Particulates							
Total particulate	22.5		1.9	ug/m3		23-AUG-22	R5858917
Total particulate	180		15	ug		23-AUG-22	R5858917
L2729595-33 SP1-PM10-05-08-22 Sampled By: FMG on 05-AUG-22 Matrix: 47mm Filter							
Field Tests							
Air volume 9 m3 Air Conc.						23-AUG-22	R5853597
Particulates							
Total particulate	9.1		1.7	ug/m3		23-AUG-22	R5858917
Total particulate	82		15	ug		23-AUG-22	R5858917
L2729595-34 SP1-PM10-11-08-22 Sampled By: FMG on 11-AUG-22 Matrix: 47mm Filter							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2729595-34 SP1-PM10-11-08-22 Sampled By: FMG on 11-AUG-22 Matrix: 47mm Filter									
Field Tests									
Air volume	8 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			9.6		1.9	ug/m3		23-AUG-22	R5858917
Total particulate			77		15	ug		23-AUG-22	R5858917
L2729595-35 SP1-PM10-15-06-22 Sampled By: FMG on 15-JUN-22 Matrix: 47mm Filter									
Field Tests									
Air volume	7.8 m3	Air Conc.						23-AUG-22	R5853597
Particulates									
Total particulate			14.7		1.9	ug/m3		23-AUG-22	R5858917
Total particulate			115		15	ug		23-AUG-22	R5858917
L2729595-36 DSP1 Sampled By: FMG on 26-APR-22 Matrix: 47mm Filter									
Particulates									
Total particulate			<15		15	ug		23-AUG-22	R5858917
Report Remarks : Sample shows signs of damage, sustained prior to submission to the laboratory. Result indicates an overall loss of mass, which is consistent with the observed damage. Sample data is biased low. PE 13-Sep-22									
L2729595-37 DSP2 Sampled By: FMG on 16-AUG-22 Matrix: 47mm Filter									
Particulates									
Total particulate			<15		15	ug		23-AUG-22	R5858917

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Method Blank	Mercury (Hg)	A	L2729595-1, -2, -3, -4, -5, -6, -7, -8, -9
Comments:	Hg observed in the method blank (MB) at a level slightly above its LOR. Sample data within a factor of 3x the LOR may be biased high. Results above this threshold are not likely to be impacted. PE 13-Sep-22		
Duplicate	Aluminum (Al)	G	L2729595-1, -2, -3, -4, -5, -6, -7, -8, -9
Comments:	Ba and Al RPDs are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 13-Sep-22		
Duplicate	Barium (Ba)	G	L2729595-1, -2, -3, -4, -5, -6, -7, -8, -9
Comments:	Ba and Al RPDs are outside ALS DQOs. This is likely due to inhomogeneity in the dispersion of these analytes across the sampled filter surface. Data may show higher-than-normal variability. PE 13-Sep-22		
Matrix Spike	Zirconium (Zr)	G	L2729595-1, -2, -3, -4, -5, -6, -7, -8, -9
Comments:	Zr recoveries in the MS are outside ALS DQOs. This may be due to a matrix interference, which is providing an overall low bias for this analyte. Sample data may be similarly biased. PE 13-Sep-22		
Matrix Spike	Aluminum (Al)	MS-B	L2729595-1, -2, -3, -4, -5, -6, -7, -8, -9
Comments:	Zr recoveries in the MS are outside ALS DQOs. This may be due to a matrix interference, which is providing an overall low bias for this analyte. Sample data may be similarly biased. PE 13-Sep-22		
Matrix Spike	Iron (Fe)	MS-B	L2729595-1, -2, -3, -4, -5, -6, -7, -8, -9
Comments:	Zr recoveries in the MS are outside ALS DQOs. This may be due to a matrix interference, which is providing an overall low bias for this analyte. Sample data may be similarly biased. PE 13-Sep-22		

Sample Parameter Qualifier key listed:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
HG-IO3.5-CVAA-BU	Filter	Mercury on High Volume Filter by CVAA	USEPA Method IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the CVAA instrument for analysis.

MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-HIVOL-GRAV-BU	Filter	Particulate on High Volume Filter	USEPA IO3.1
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

Reference Information

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-IO3.5-CVAA-BU	**Filter**							
Batch R5857220								
WG3761756-2 LCS								
Mercury (Hg)			88.0		ug		70-130	09-SEP-22
WG3761756-1 MB								
Mercury (Hg)			0.0054	A	ug		0.005	09-SEP-22
COMMENTS: Hg observed in the method blank (MB) at a level slightly above its LOR. Sample data within a factor of 3x the LOR may be biased high. Results above this threshold are not likely to be impacted. PE 13-Sep-22								
MET-IO3.5-MS-BU	**Filter**							
Batch R5857118								
WG3761756-2 LCS								
Silver (Ag)			95.6		%		70-130	08-SEP-22
Aluminum (Al)			93.5		%		70-130	08-SEP-22
Arsenic (As)			92.5		%		80-120	08-SEP-22
Barium (Ba)			92.5		%		70-130	08-SEP-22
Beryllium (Be)			96.2		%		70-130	08-SEP-22
Cadmium (Cd)			94.6		%		80-120	08-SEP-22
Cobalt (Co)			92.0		%		80-120	08-SEP-22
Chromium (Cr)			93.6		%		80-120	08-SEP-22
Copper (Cu)			95.0		%		80-120	08-SEP-22
Iron (Fe)			97.0		%		80-120	08-SEP-22
Magnesium (Mg)			94.4		%		70-130	08-SEP-22
Manganese (Mn)			93.9		%		80-120	08-SEP-22
Molybdenum (Mo)			92.6		%		70-130	08-SEP-22
Nickel (Ni)			91.9		%		80-120	08-SEP-22
Lead (Pb)			95.9		%		80-120	08-SEP-22
Antimony (Sb)			94.5		%		80-120	08-SEP-22
Selenium (Se)			97.2		%		80-120	08-SEP-22
Thallium (Tl)			92.3		%		70-130	08-SEP-22
Uranium (U)			92.4		%		70-130	08-SEP-22
Vanadium (V)			94.3		%		80-120	08-SEP-22
Zinc (Zn)			95.0		%		80-120	08-SEP-22
Bismuth (Bi)			93.8		%		70-130	08-SEP-22
Boron (B)			98.9		%		70-130	08-SEP-22
Phosphorus (P)			94.0		%		70-130	08-SEP-22
Strontium (Sr)			94.9		%		70-130	08-SEP-22
Tin (Sn)			95.6		%		70-130	08-SEP-22
Titanium (Ti)			92.4		%		70-130	08-SEP-22

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5857118								
WG3761756-2 LCS								
Zirconium (Zr)			81.9		%		70-130	08-SEP-22
WG3761756-1 MB								
Silver (Ag)			<0.090		ug		0.09	08-SEP-22
Aluminum (Al)			<9.0		ug		9	08-SEP-22
Arsenic (As)			<3.0		ug		3	08-SEP-22
Barium (Ba)			<0.50		ug		0.5	08-SEP-22
Beryllium (Be)			<0.050		ug		0.05	08-SEP-22
Cadmium (Cd)			<0.027		ug		0.027	08-SEP-22
Cobalt (Co)			<0.030		ug		0.03	08-SEP-22
Chromium (Cr)			<3.4		ug		3.4	08-SEP-22
Copper (Cu)			<1.0		ug		1	08-SEP-22
Iron (Fe)			<12		ug		12	08-SEP-22
Magnesium (Mg)			<60		ug		60	08-SEP-22
Manganese (Mn)			<0.45		ug		0.45	08-SEP-22
Molybdenum (Mo)			<0.36		ug		0.36	08-SEP-22
Nickel (Ni)			<0.25		ug		0.25	08-SEP-22
Lead (Pb)			<0.12		ug		0.12	08-SEP-22
Antimony (Sb)			<0.25		ug		0.25	08-SEP-22
Selenium (Se)			<1.3		ug		1.25	08-SEP-22
Thallium (Tl)			<0.090		ug		0.09	08-SEP-22
Uranium (U)			<0.0060		ug		0.006	08-SEP-22
Vanadium (V)			<5.0		ug		10	08-SEP-22
Zinc (Zn)			<4.5		ug		4.5	08-SEP-22
Bismuth (Bi)			<1.8		ug		1.8	08-SEP-22
Boron (B)			<15		ug		15	08-SEP-22
Phosphorus (P)			<750		ug		750	08-SEP-22
Strontium (Sr)			<3.0		ug		3	08-SEP-22
Tin (Sn)			<0.60		ug		0.6	08-SEP-22
Titanium (Ti)			<11		ug		10.5	08-SEP-22
Zirconium (Zr)			<2.0		ug		2	08-SEP-22
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5856897								
WG3761964-2 DUP		**L2729595-1**						
Total particulate		25000	25000		ug	0.0	5	31-AUG-22
WG3761964-1 MB								

Quality Control Report

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5856897								
WG3761964-1 MB								
Total particulate			<100		ug		100	31-AUG-22
PART-M212 F-GRAV-BU	**Filter**							
Batch R5858917								
WG3762524-2 DUP		**L2729595-10**						
Total particulate		33	33		ug	0.0	10	23-AUG-22
WG3762524-4 DUP		**L2729595-32**						
Total particulate		180	180		ug	0.0	10	23-AUG-22
WG3762524-1 MB								
Total particulate			<15		ug		15	23-AUG-22
WG3762524-3 MB								
Total particulate			<15		ug		15	23-AUG-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ANALYSIS REQUEST

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Sample Date/Time Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-TSP-21-06-22	21-Jun		742649		AA	1791	X	X				X					
SP2-TSP-27-06-22	27-Jun		742644		AA	3511	X	X				X					
SP2-TSP-07-07-22	07-Jul		742645		AA	1659	X	X				X					
SP2-TSP-13-07-22	13-Jul		742648		AA	1738	X	X				X					
SP2-TSP-19-07-22	19-Jul		742646		AA	1758	X	X				X					
SP2-TSP-25-07-22	25-Jul		742647		AA	1730	X	X				X					
SP2-TSP-31-07-22	31-Jul		742943		AA	1785	X	X				X					
SP2-TSP-05-08-22	05-Aug		742948		AA	1760	X	X				X					
SP2-TSP-11-08-22	11-Aug		742947		AA	1722	X	X				X					

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP: 12.6

SAMPLED BY: FMH	DATE & TIME	RECEIVED BY:	DATE & TIME 8/23/22 @ 10:00
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: NPS	DATE & TIME Aug 20, 22

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM2.5-21-06-22	21-Jun		1059		AA	8.1				X							
SP1-PM2.5-27-06-22	27-Jun		1060		AA	15.9				X							
~~SP1-PM2.5-07-07-22~~	07-Jul		0881		AA					X							
SP1-PM2.5-19-07-22	19-Jul		0882		AA	8.2				X							
SP1-PM2.5-25-07-22	25-Jul		0888		AA	8.2				X							
SP1-PM2.5-31-07-22	31-Jul		0872		AA	17.8				X							
SP1-PM2.5-05-08-22	05-Aug		0876		AA	8.2				X							
SP1-PM2.5-11-08-22	11-Aug		0877		AA	8.1				X							
SP1-PM2.5-15-06-22	15-Jun		1072		AA	8.0				X							

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT

MEAN TEMP: 14.6

SAMPLED BY: FMG	DATE & TIME	RECEIVED BY:	DATE & TIME: 8/23/22 10:10
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: NP3	DATE & TIME: Aug 20, 22

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-21-06-22	21-Jun	12:00	1066		AA	24.03			X								
SP2-PM10-27-06-22	27-Jun		1058		AA	24.03			X								
SP2-PM10-07-07-22	07-Jul		0879		AA	24.03			X								
SP2-PM10-13-07-22	13-Jul		0871		AA	24.03			X								
SP2-PM10-19-07-22	19-Jul		0885		AA	24.02			X								
SP2-PM10-25-07-22	25-Jul		0883		AA	24.02			X								
SP2-PM10-31-07-22	31-Jul		0874		AA	24			X								
SP2-PM10-15-06-22	15-Jun		1073		AA	24.03			X								

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT

MEAN TEMP: 14.6

SAMPLED BY: FMF	DATE & TIME	RECEIVED BY:	DATE & TIME: 8/23/22 @ 10:10
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: NP3	DATE & TIME: Aug 20, 22

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

November 2018 Front

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM10-21-06-22	21-Jun		1067		AA				X								
SP1-PM10-27-06-22	27-Jun		1057 ~~1060~~		AA	10.04			X								
SP1-PM10-07-07-22	07-Jul		0880		AA	7.95			X								
SP1-PM10-13-07-22	13-Jul		0870		AA	13.26			X								
SP1-PM10-19-07-22	19-Jul		0886		AA	8.0			X								
SP1-PM10-25-07-22	25-Jul		0884		AA	8.0			X								
SP1-PM10-31-07-22	31-Jul		0887		AA	9.0			X								
SP1-PM10-05-08-22	05-Aug		0873		AA	8.0			X								
SP1-PM10-11-08-22	11-Aug		0889		AA	—			X								

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☐ AMBIENT

MEAN TEMP: 14.6

SAMPLED BY: FMb	DATE & TIME	RECEIVED BY:	DATE & TIME 8/23/2022 10:10
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: NP3	DATE & TIME Aug 2022

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

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Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time		Canister or Tube ID#	Regulator Serial #	Matrix Type	ANALYSIS REQUEST										Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
	Date (dd-mmm-yy)	Time (24hr) (hh:mm)				AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME		
SP1-PM10-15-06-22	15-Jun		1070			7.8			X								
DSP1	26-AP		0797			—	X										
DSP2	16-Aug		0754			—	X										

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN ☐ COLD ☐ COOLING INITIATED ☐ AMBIENT

MEAN TEMP: 14.6

SAMPLED BY: FMG	DATE & TIME	RECEIVED BY:	DATE & TIME: 8/23/22@10:10
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: NP3	DATE & TIME: Aug 20, 22

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

L2722712-COFC

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time		Canister or Tube ID#	Regulator Serial #	Matrix Type	ANALYSIS REQUEST										Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
	Date (dd-mmm-yy)	Time (24hr) (hh:mm)				AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME		
SP1-PM2.5-29-04-22	29-Apr		0800		AA	8.1				X							1
SP1-PM2.5-03-05-22	03-May		0812		AA	7.8				X							2
SP1-PM2.5-05-05-22	05-May		0811		AA	8.1				X							3
SP1-PM2.5-08-05-22	08-May		0816		AA	8.0				X							4
SP1-PM2.5-11-05-22	11-May		1065		AA	8.0				X							5
SP1-PM2.5-13-05-22	13-May		0802		AA	8.1				X							6
SP1-PM2.5-16-05-22	16-May		1063		AA	8.00				X							7
SP1-PM2.5-19-05-22	19-May		1075		AA	16.2				X							8
SP1-PM2.5-01-06-22	01-Jun		1071		AA	8.1				X							9

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☑ AMBIENT

MEAN TEMP: 19.7°C

SAMPLED BY: Mark Ridgway	DATE & TIME: July 11/2022	RECEIVED BY: AARON BOLTON	DATE & TIME: 15-July-2022 12:00	SIF OBSERVATIONS: Yes ☐ No ☑	INITIALS: MR
RELINQUISHED BY:	DATE & TIME:	RECEIVED AT LAB BY:	DATE & TIME:	CUSTODY SEAL INTACT: Yes ☐ No ☑	

L2722712-COFC

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

www.alsglobal.com

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

- Regular Service ☑
- Priority Service ☐
- Emergency Service ☐
- Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM2.5-07-06-22	07-Jun		1056		AA	15.8				X							10

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

- ☐ FROZEN
- ☐ COLD
- ☑ COOLING INITIATED
- ☑ AMBIENT

MEAN TEMP: 19.7°C

SAMPLED BY:	LI	DATE & TIME	17	RECEIVED BY: AARON BURTON	DATE & TIME: 16-July-2021 12:00
RELINQUISHED BY:		DATE & TIME		RECEIVED AT LAB BY:	DATE & TIME

SIF OBSERVATIONS: Yes ☐ No ☑

CUSTODY SEAL INTACT: Yes ☑ No ☐

INITIALS: MB

L2722712-COFC

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

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Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only)

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM10-29-04-22	29-Apr		0799		AA	7.8			X								11
SP1-PM10-03-05-22	03-May		0817		AA	2.1			X								12
SP1-PM10-05-05-22	05-May		0803		AA	7.8			X								13
SP1-PM10-08-05-22	08-May		0815		AA	7.8			X								14
SP1-PM10-11-05-22	11-May		0821		AA	7.8			X								15
SP1-PM10-13-05-22	13-May		0801		AA	7.9			X								16
SP1-PM10-16-05-22	16-May		1064		AA	7.8			X								17
SP1-PM10-19-05-22	19-May		1076		AA	11.2			X								18
SP1-PM10-01-06-22	01-Jun		1074		AA	7.9			X								19

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☑ AMBIENT

MEAN TEMP: 19.7°C

SAMPLED BY:	Mark Ridgway	DATE & TIME	July 11/22	RECEIVED BY:	AARon Burton
DATE & TIME	15-July-2022 12:00	SIF OBSERVATIONS: Yes ☐ No ☑	INITIALS	NB	
RELINQUISHED BY:		DATE & TIME		RECEIVED AT LAB BY:	
DATE & TIME		CUSTODY SEAL INTACT: Yes ☑ No ☐			

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

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Regular Service	☑
Priority Service	☐
Emergency Service	☐
Date Required:	

ALS WORK ORDER NUMBER: (Lab Use Only)

L2722712-COFC

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time Date (dd-mmm-yy)	Sample Date/Time Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM10-07-06-22	07-Jun		1068		AA	12.6			X								20

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☑ AMBIENT

MEAN TEMP: 19.7°C

SAMPLED BY:		DATE & TIME	RECEIVED BY: Aaron Pointon	DATE & TIME 15-July-2022 12:00	SIF OBSERVATIONS: Yes ☐ No ☑
RELINQUISHED BY:		DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME	CUSTODY SEAL INTACT: Yes ☑ No ☐

INITIALS: NZ

November 2018 Front

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

Page 1 of 2

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Regular Service	☑
Priority Service	☐
Emergency Service	☐
Date Required:	

L2722712-COFC

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-TSP-29-04-22	29-Apr		742168		AA	1711	X	X				X					21
SP2-TSP-03-05-22	03-May		742470		AA	1651	X	X				X					22
SP2-TSP-05-05-22	05-May		742640		AA	1728	X	X				X					23
SP2-TSP-08-05-22	08-May		742254		AA	1949	X	X				X					24
SP2-TSP-11-05-22	11-May		742639		AA	1516	X	X				X					25
SP2-TSP-13-05-22	13-May		742638		AA	1905	X	X				X					26
SP2-TSP-16-05-22	16-May		742637		AA	1608	X	X				X					27
SP2-TSP-19-05-22	19-May		742636		AA	3265	X	X				X					28
SP2-TSP-01-06-22	01-Jun		742255		AA	1640	X	X				X					29

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☑ AMBIENT

MEAN TEMP: 19.7°C

SAMPLED BY: Mark Ridgway	DATE & TIME: July 11/22	RECEIVED BY: AARON Burton	DATE & TIME: 15-July-2022 12:00	SIF OBSERVATIONS: Yes ☐ No ☑
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME	CUSTODY SEAL INTACT: Yes ☑ No ☐

INITIALS: NZ

November 2018 Front

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC # _____

Page 2 of 2

www.alsglobal.com

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- Regular Service ☑
- Priority Service ☐
- Emergency Service ☐
- Date Required:

ALS WORK ORDER NUMBER: (Lab Use Only)

L2722712-COFC

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstminggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-TSP-07-06-22	07-Jun		742256		AA	3077	X	X				X					30
SP2-TSP-15-06-22	15-Jun		742635		AA	1672	X	X				X					31

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

- ☐ FROZEN
- ☐ COLD
- ☐ COOLING INITIATED
- ☑ AMBIENT

MEAN TEMP: 19.7°C

SAMPLED BY:		DATE & TIME	RECEIVED BY: Adrian Burton	DATE & TIME 15-July-2022 12:00	SIF OBSERVATIONS: Yes ☐ No ☑
RELINQUISHED BY:		DATE & TIME	RECEIVED AT LAB BY:	DATE & TIME	CUSTODY SEAL INTACT: Yes ☑ No ☐

INITIALS: MJ

November 2018 Front

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

COC #_____

Page 1 of 1

www.alsglobal.com

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

- Regular Service ☑
- Priority Service ☐
- Emergency Service ☐
- Date Required:

ALS WORK ORDER NUMBER: (Lab Use Only) L2722712-COFC

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m^3 ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-29-04-22	29-Apr	12:00	0810		AA	24.03			X								32
SP2-PM10-03-05-22	03-May	12:00	0820		AA	24.03			X								33
SP2-PM10-05-05-22	05-May	12:00	0819		AA	24.03			X								34
SP2-PM10-01-06-22	01-Jun	12:00	1061		AA	24.03			X								35
SP2-PM10-07-06-22	07-Jun	12:00	1062		AA	24.02			X								36

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

- ☐ FROZEN
- ☐ COLD
- ☐ COOLING INITIATED
- ☑ AMBIENT

MEAN TEMP: 19.7°C

SAMPLED BY:	Mark Ridgway	DATE & TIME	July 11/22	SIF OBSERVATIONS: Yes ☐ No ☑	INITIALS: MR
RELINQUISHED BY:		DATE & TIME		CUSTODY SEAL INTACT: Yes ☑ No ☐	
RECEIVED BY:	ARRA BULTAN	DATE & TIME	15-July-2022 12:00		
RECEIVED AT LAB BY:		DATE & TIME			

November 2018 Front

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 15-NOV-22
Report Date: 06-DEC-22 12:53 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2740757

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-1 SP2-TSP-21-08-22									
Sampled By: CLIENT on 21-AUG-22									
Matrix: AMBIENT AIR									
Field Tests									
Air volume	1689 m3	Air Conc.						24-NOV-22	R5900516
Particulates									
Total particulate			20.4		0.059	ug/m3		24-NOV-22	R5900576
Total particulate			34400		100	ug		24-NOV-22	R5900576
Total Metals									
Aluminum (Al)			0.234		0.0053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Aluminum (Al)			396		9.0	ug	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)			0.00021		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)			0.36		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)			<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)			<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)			0.00341		0.00030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)			5.76		0.50	ug	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)			<0.000030		0.000030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)			<0.050		0.050	ug	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)			<0.0011		0.0011	ug/m3	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)			<1.8		1.8	ug	01-DEC-22	02-DEC-22	R5902116
Boron (B)			0.0123		0.0089	ug/m3	01-DEC-22	02-DEC-22	R5902116
Boron (B)			21		15	ug	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)			0.000042		0.000016	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)			0.070		0.027	ug	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)			<0.0020		0.0020	ug/m3	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)			<3.4		3.4	ug	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)			0.000201		0.000018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)			0.339		0.030	ug	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)			0.230		0.00059	ug/m3	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)			389		1.0	ug	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)			0.416		0.0071	ug/m3	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)			702		12	ug	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)			0.000573		0.000071	ug/m3	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)			0.97		0.12	ug	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)			0.227		0.036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)			383		60	ug	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)			0.00948		0.00027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)			16.0		0.45	ug	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)			0.0156		0.00021	ug/m3	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)			26.3		0.36	ug	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)			0.00091		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)			1.54		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)			<0.44		0.44	ug/m3	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)			<750		750	ug	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)			<0.00077		0.00077	ug/m3	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)			<1.3		1.3	ug	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)			0.000090		0.000053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)			0.152		0.090	ug	01-DEC-22	02-DEC-22	R5902116

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-1 SP2-TSP-21-08-22 Sampled By: CLIENT on 21-AUG-22 Matrix: AMBIENT AIR							
Total Metals							
Strontium (Sr)	<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.000053		0.000053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.00036		0.00036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.60		0.60	ug	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	0.0181		0.0065	ug/m3	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	31		11	ug	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	0.0000187		0.0000036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	0.0315		0.0060	ug	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<0.0030		0.0030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<5.0		5.0	ug	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	0.0050		0.0027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	8.5		4.5	ug	01-DEC-22	02-DEC-22	R5902116
Extractable Metals							
Mercury (Hg)	0.0000107		0.0000059	ug/m3	01-DEC-22	02-DEC-22	R5901440
Mercury (Hg)	0.018		0.010	ug	01-DEC-22	02-DEC-22	R5901440
L2740757-2 SP2-TSP-27-08-22 Sampled By: CLIENT on 27-AUG-22 Matrix: AMBIENT AIR							
Field Tests							
Air volume 1698 m3 Air Conc.						24-NOV-22	R5900516
Particulates							
Total particulate	16.7		0.059	ug/m3		24-NOV-22	R5900576
Total particulate	28300		100	ug		24-NOV-22	R5900576
Total Metals							
Aluminum (Al)	0.0962		0.0053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Aluminum (Al)	163		9.0	ug	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.00024		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.40		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	0.00180		0.00029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	3.06		0.50	ug	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.000029		0.000029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.050		0.050	ug	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<0.0011		0.0011	ug/m3	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<1.8		1.8	ug	01-DEC-22	02-DEC-22	R5902116
Boron (B)	0.0141		0.0088	ug/m3	01-DEC-22	02-DEC-22	R5902116
Boron (B)	24		15	ug	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.000109		0.000016	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.185		0.027	ug	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<0.0020		0.0020	ug/m3	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<3.4		3.4	ug	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.000077		0.000018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.130		0.030	ug	01-DEC-22	02-DEC-22	R5902116

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-2 SP2-TSP-27-08-22 Sampled By: CLIENT on 27-AUG-22 Matrix: AMBIENT AIR							
Total Metals							
Copper (Cu)	0.128		0.00059	ug/m3	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	217		1.0	ug	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	0.138		0.0071	ug/m3	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	234		12	ug	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	0.000721		0.000071	ug/m3	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	1.22		0.12	ug	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	0.154		0.035	ug/m3	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	262		60	ug	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	0.00631		0.00027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	10.7		0.45	ug	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	0.00800		0.00021	ug/m3	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	13.6		0.36	ug	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	0.00076		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	1.28		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<0.44		0.44	ug/m3	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<750		750	ug	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<0.00077		0.00077	ug/m3	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<1.3		1.3	ug	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.000053		0.000053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.000053		0.000053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.00035		0.00035	ug/m3	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.60		0.60	ug	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<0.0065		0.0065	ug/m3	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<11		11	ug	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	0.0000074		0.0000035	ug/m3	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	0.0126		0.0060	ug	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<0.0029		0.0029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<5.0		5.0	ug	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	0.0072		0.0027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	12.3		4.5	ug	01-DEC-22	02-DEC-22	R5902116
Extractable Metals							
Mercury (Hg)	0.0000069		0.0000059	ug/m3	01-DEC-22	02-DEC-22	R5901440
Mercury (Hg)	0.012		0.010	ug	01-DEC-22	02-DEC-22	R5901440
L2740757-3 SP2-TSP-16-09-22 Sampled By: CLIENT on 16-OCT-22 Matrix: AMBIENT AIR							
Field Tests							
Air volume 1649 m3 Air Conc.						24-NOV-22	R5900516
Particulates							
Total particulate	5.52		0.061	ug/m3		24-NOV-22	R5900576
Total particulate	9100		100	ug		24-NOV-22	R5900576
Total Metals							

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-3 SP2-TSP-16-09-22 Sampled By: CLIENT on 16-OCT-22 Matrix: AMBIENT AIR							
Total Metals							
Aluminum (Al)	0.0297		0.0055	ug/m3	01-DEC-22	02-DEC-22	R5902116
Aluminum (Al)	49.1		9.0	ug	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.00035		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.57		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	0.00123		0.00030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	2.03		0.50	ug	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.000030		0.000030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.050		0.050	ug	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<0.0011		0.0011	ug/m3	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<1.8		1.8	ug	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<0.0091		0.0091	ug/m3	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<15		15	ug	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.000027		0.000016	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.044		0.027	ug	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<0.0021		0.0021	ug/m3	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<3.4		3.4	ug	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.000068		0.000018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.112		0.030	ug	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	0.0955		0.00061	ug/m3	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	158		1.0	ug	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	0.0538		0.0073	ug/m3	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	89		12	ug	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	0.000486		0.000073	ug/m3	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	0.80		0.12	ug	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	0.041		0.036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	67		60	ug	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	0.00184		0.00027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	3.03		0.45	ug	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	0.00584		0.00022	ug/m3	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	9.63		0.36	ug	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	0.00072		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	1.19		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<0.45		0.45	ug/m3	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<750		750	ug	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<0.00079		0.00079	ug/m3	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<1.3		1.3	ug	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.000055		0.000055	ug/m3	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.000055		0.000055	ug/m3	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-3 SP2-TSP-16-09-22 Sampled By: CLIENT on 16-OCT-22 Matrix: AMBIENT AIR							
Total Metals							
Tin (Sn)	<0.00036		0.00036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.60		0.60	ug	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<0.0067		0.0067	ug/m3	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<11		11	ug	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	<0.0000036		0.0000036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	<0.0060		0.0060	ug	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<0.0030		0.0030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<5.0		5.0	ug	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	0.0028		0.0027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	4.5		4.5	ug	01-DEC-22	02-DEC-22	R5902116
Extractable Metals							
Mercury (Hg)	<0.0000061		0.0000061	ug/m3	01-DEC-22	02-DEC-22	R5901440
Mercury (Hg)	<0.010		0.010	ug	01-DEC-22	02-DEC-22	R5901440
L2740757-4 SP2-TSP-05-10-22 Sampled By: CLIENT on 05-OCT-22 Matrix: AMBIENT AIR							
Field Tests							
Air volume 1684 m3 Air Conc.						24-NOV-22	R5900516
Particulates							
Total particulate	9.50		0.059	ug/m3		24-NOV-22	R5900576
Total particulate	16000		100	ug		24-NOV-22	R5900576
Total Metals							
Aluminum (Al)	0.0657		0.0053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Aluminum (Al)	111		9.0	ug	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.00041		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.69		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	0.00235		0.00030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	3.96		0.50	ug	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.000030		0.000030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.050		0.050	ug	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<0.0011		0.0011	ug/m3	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<1.8		1.8	ug	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<0.0089		0.0089	ug/m3	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<15		15	ug	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.000154		0.000016	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.259		0.027	ug	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<0.0020		0.0020	ug/m3	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<3.4		3.4	ug	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.000059		0.000018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.100		0.030	ug	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	0.0591		0.00059	ug/m3	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	99.5		1.0	ug	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	0.119		0.0071	ug/m3	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	200		12	ug	01-DEC-22	02-DEC-22	R5902116

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-4 SP2-TSP-05-10-22 Sampled By: CLIENT on 05-OCT-22 Matrix: AMBIENT AIR							
Total Metals							
Lead (Pb)	0.000315		0.000071	ug/m3	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	0.53		0.12	ug	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	0.214		0.036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	360		60	ug	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	0.00615		0.00027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	10.4		0.45	ug	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	0.00366		0.00021	ug/m3	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	6.17		0.36	ug	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	0.00075		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	1.26		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<0.45		0.45	ug/m3	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<750		750	ug	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<0.00077		0.00077	ug/m3	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<1.3		1.3	ug	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.000053		0.000053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<0.0018		0.0018	ug/m3	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.000053		0.000053	ug/m3	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	0.00045		0.00036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	0.75		0.60	ug	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<0.0065		0.0065	ug/m3	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<11		11	ug	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	0.0000075		0.0000036	ug/m3	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	0.0126		0.0060	ug	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<0.0030		0.0030	ug/m3	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<5.0		5.0	ug	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	0.0079		0.0027	ug/m3	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	13.4		4.5	ug	01-DEC-22	02-DEC-22	R5902116
Extractable Metals							
Mercury (Hg)	<0.0000059		0.0000059	ug/m3	01-DEC-22	02-DEC-22	R5901440
Mercury (Hg)	<0.010		0.010	ug	01-DEC-22	02-DEC-22	R5901440
L2740757-5 SP2-TSP-11-10-22 Sampled By: CLIENT on 11-OCT-22 Matrix: AMBIENT AIR							
Field Tests							
Air volume 1717 m3 Air Conc.						24-NOV-22	R5900516
Particulates							
Total particulate	21.4		0.058	ug/m3		24-NOV-22	R5900576
Total particulate	36700		100	ug		24-NOV-22	R5900576
Total Metals							
Aluminum (Al)	0.228		0.0052	ug/m3	01-DEC-22	02-DEC-22	R5902116
Aluminum (Al)	391		9.0	ug	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.00037		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.63		0.25	ug	01-DEC-22	02-DEC-22	R5902116

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-5 SP2-TSP-11-10-22 Sampled By: CLIENT on 11-OCT-22 Matrix: AMBIENT AIR							
Total Metals							
Arsenic (As)	<0.0017		0.0017	ug/m3	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	0.00508		0.00029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	8.73		0.50	ug	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.000029		0.000029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.050		0.050	ug	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<0.0010		0.0010	ug/m3	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<1.8		1.8	ug	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<0.0087		0.0087	ug/m3	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<15		15	ug	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.000052		0.000016	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.090		0.027	ug	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<0.0020		0.0020	ug/m3	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<3.4		3.4	ug	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.000160		0.000017	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.275		0.030	ug	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	0.0978		0.00058	ug/m3	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	168		1.0	ug	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	0.377		0.0070	ug/m3	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	648		12	ug	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	0.00550		0.000070	ug/m3	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	9.45		0.12	ug	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	0.309		0.035	ug/m3	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	531		60	ug	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	0.0191		0.00026	ug/m3	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	32.8		0.45	ug	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	0.00600		0.00021	ug/m3	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	10.3		0.36	ug	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	0.00102		0.00015	ug/m3	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	1.75		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<0.44		0.44	ug/m3	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<750		750	ug	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<0.00076		0.00076	ug/m3	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<1.3		1.3	ug	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.000052		0.000052	ug/m3	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	0.0021		0.0017	ug/m3	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	3.6		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.000052		0.000052	ug/m3	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.00035		0.00035	ug/m3	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.60		0.60	ug	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	0.0083		0.0064	ug/m3	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	14		11	ug	01-DEC-22	02-DEC-22	R5902116

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-5 SP2-TSP-11-10-22 Sampled By: CLIENT on 11-OCT-22 Matrix: AMBIENT AIR							
Total Metals							
Uranium (U)	0.0000212		0.0000035	ug/m3	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	0.0365		0.0060	ug	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<0.0029		0.0029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<5.0		5.0	ug	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	0.0066		0.0026	ug/m3	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	11.3		4.5	ug	01-DEC-22	02-DEC-22	R5902116
Extractable Metals							
Mercury (Hg)	0.0000068		0.0000058	ug/m3	01-DEC-22	02-DEC-22	R5901440
Mercury (Hg)	0.012		0.010	ug	01-DEC-22	02-DEC-22	R5901440
L2740757-6 SP2-TSP-17-10-22 Sampled By: CLIENT on 17-OCT-22 Matrix: AMBIENT AIR							
Field Tests							
Air volume 1555 m3 Air Conc.						24-NOV-22	R5900516
Particulates							
Total particulate	8.36		0.064	ug/m3		24-NOV-22	R5900576
Total particulate	13000		100	ug		24-NOV-22	R5900576
Total Metals							
Aluminum (Al)	0.0391		0.0058	ug/m3	01-DEC-22	02-DEC-22	R5902116
Aluminum (Al)	60.8		9.0	ug	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.00037		0.00016	ug/m3	01-DEC-22	02-DEC-22	R5902116
Antimony (Sb)	0.58		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<0.0019		0.0019	ug/m3	01-DEC-22	02-DEC-22	R5902116
Arsenic (As)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	0.00204		0.00032	ug/m3	01-DEC-22	02-DEC-22	R5902116
Barium (Ba)	3.17		0.50	ug	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.000032		0.000032	ug/m3	01-DEC-22	02-DEC-22	R5902116
Beryllium (Be)	<0.050		0.050	ug	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<0.0012		0.0012	ug/m3	01-DEC-22	02-DEC-22	R5902116
Bismuth (Bi)	<1.8		1.8	ug	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<0.0096		0.0096	ug/m3	01-DEC-22	02-DEC-22	R5902116
Boron (B)	<15		15	ug	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.000045		0.000017	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cadmium (Cd)	0.071		0.027	ug	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<0.0022		0.0022	ug/m3	01-DEC-22	02-DEC-22	R5902116
Chromium (Cr)	<3.4		3.4	ug	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.000056		0.000019	ug/m3	01-DEC-22	02-DEC-22	R5902116
Cobalt (Co)	0.088		0.030	ug	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	0.0857		0.00064	ug/m3	01-DEC-22	02-DEC-22	R5902116
Copper (Cu)	133		1.0	ug	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	0.0677		0.0077	ug/m3	01-DEC-22	02-DEC-22	R5902116
Iron (Fe)	105		12	ug	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	0.000246		0.000077	ug/m3	01-DEC-22	02-DEC-22	R5902116
Lead (Pb)	0.38		0.12	ug	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	0.080		0.039	ug/m3	01-DEC-22	02-DEC-22	R5902116
Magnesium (Mg)	124		60	ug	01-DEC-22	02-DEC-22	R5902116

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740757-6 SP2-TSP-17-10-22 Sampled By: CLIENT on 17-OCT-22 Matrix: AMBIENT AIR							
Total Metals							
Manganese (Mn)	0.00218		0.00029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Manganese (Mn)	3.39		0.45	ug	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	0.00466		0.00023	ug/m3	01-DEC-22	02-DEC-22	R5902116
Molybdenum (Mo)	7.25		0.36	ug	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	0.00094		0.00016	ug/m3	01-DEC-22	02-DEC-22	R5902116
Nickel (Ni)	1.47		0.25	ug	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<0.48		0.48	ug/m3	01-DEC-22	02-DEC-22	R5902116
Phosphorus (P)	<750		750	ug	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<0.00084		0.00084	ug/m3	01-DEC-22	02-DEC-22	R5902116
Selenium (Se)	<1.3		1.3	ug	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.000058		0.000058	ug/m3	01-DEC-22	02-DEC-22	R5902116
Silver (Ag)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<0.0019		0.0019	ug/m3	01-DEC-22	02-DEC-22	R5902116
Strontium (Sr)	<3.0		3.0	ug	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.000058		0.000058	ug/m3	01-DEC-22	02-DEC-22	R5902116
Thallium (Tl)	<0.090		0.090	ug	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.00039		0.00039	ug/m3	01-DEC-22	02-DEC-22	R5902116
Tin (Sn)	<0.60		0.60	ug	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<0.0071		0.0071	ug/m3	01-DEC-22	02-DEC-22	R5902116
Titanium (Ti)	<11		11	ug	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	<0.0000039		0.0000039	ug/m3	01-DEC-22	02-DEC-22	R5902116
Uranium (U)	<0.0060		0.0060	ug	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<0.0032		0.0032	ug/m3	01-DEC-22	02-DEC-22	R5902116
Vanadium (V)	<5.0		5.0	ug	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	0.0043		0.0029	ug/m3	01-DEC-22	02-DEC-22	R5902116
Zinc (Zn)	6.7		4.5	ug	01-DEC-22	02-DEC-22	R5902116
Extractable Metals							
Mercury (Hg)	<0.0000064		0.0000064	ug/m3	01-DEC-22	02-DEC-22	R5901440
Mercury (Hg)	<0.010		0.010	ug	01-DEC-22	02-DEC-22	R5901440

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate	Aluminum (Al)	DUP-H	L2740757-1, -2, -3, -4, -5, -6
Duplicate	Barium (Ba)	DUP-H	L2740757-1, -2, -3, -4, -5, -6
Duplicate	Molybdenum (Mo)	DUP-H,J	L2740757-1, -2, -3, -4, -5, -6
Matrix Spike	Aluminum (Al)	MS-B	L2740757-1, -2, -3, -4, -5, -6
Matrix Spike	Iron (Fe)	MS-B	L2740757-1, -2, -3, -4, -5, -6
Matrix Spike	Magnesium (Mg)	MS-B	L2740757-1, -2, -3, -4, -5, -6
Matrix Spike	Manganese (Mn)	MS-B	L2740757-1, -2, -3, -4, -5, -6
Matrix Spike	Zinc (Zn)	MS-B	L2740757-1, -2, -3, -4, -5, -6
Matrix Spike	Zirconium (Zr)	MS-B	L2740757-1, -2, -3, -4, -5, -6

Sample Parameter Qualifier key listed:

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.
DUP-H,J	Duplicate results outside ALS DQO, due to sample heterogeneity. Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-HIVOL-BU	Filter	Air volume (m3)	USEPA IO3.1
HG-IO3.5-CVAA-BU	Filter	Mercury on High Volume Filter by CVAA	USEPA Method IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the CVAA instrument for analysis.

MET-IO3.5-MS-BU	Filter	Metals on High Volume Filter by ICPMS	IO3.5

After weighing (if required), hivol filters are sub-sampled and leached with nitric acid to extract available metal analytes. After dilution, the extracts are submitted to the ICPMS instrument for analysis.

PART-HIVOL-GRAV-BU	Filter	Particulate on High Volume Filter	USEPA IO3.1

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-IO3.5-CVAA-BU	**Filter**							
Batch R5901440								
WG3775015-2 LCS								
Mercury (Hg)			94.8		ug		70-130	02-DEC-22
WG3775015-1 MB								
Mercury (Hg)			<0.0050		ug		0.005	02-DEC-22
MET-IO3.5-MS-BU	**Filter**							
Batch R5902116								
WG3775015-2 LCS								
Silver (Ag)			94.4		%		70-130	02-DEC-22
Aluminum (Al)			89.0		%		70-130	02-DEC-22
Arsenic (As)			88.2		%		80-120	02-DEC-22
Barium (Ba)			95.0		%		70-130	02-DEC-22
Beryllium (Be)			89.5		%		70-130	02-DEC-22
Cadmium (Cd)			88.2		%		80-120	02-DEC-22
Cobalt (Co)			93.3		%		80-120	02-DEC-22
Chromium (Cr)			89.1		%		80-120	02-DEC-22
Copper (Cu)			91.5		%		80-120	02-DEC-22
Iron (Fe)			92.8		%		80-120	02-DEC-22
Magnesium (Mg)			89.4		%		70-130	02-DEC-22
Manganese (Mn)			90.1		%		80-120	02-DEC-22
Molybdenum (Mo)			90.6		%		70-130	02-DEC-22
Nickel (Ni)			90.9		%		80-120	02-DEC-22
Lead (Pb)			90.8		%		80-120	02-DEC-22
Antimony (Sb)			89.0		%		80-120	02-DEC-22
Selenium (Se)			90.4		%		80-120	02-DEC-22
Thallium (Tl)			84.6		%		70-130	02-DEC-22
Uranium (U)			86.8		%		70-130	02-DEC-22
Vanadium (V)			88.0		%		80-120	02-DEC-22
Zinc (Zn)			93.0		%		80-120	02-DEC-22
Bismuth (Bi)			92.6		%		70-130	02-DEC-22
Boron (B)			96.2		%		70-130	02-DEC-22
Phosphorus (P)			89.6		%		70-130	02-DEC-22
Strontium (Sr)			84.7		%		70-130	02-DEC-22
Tin (Sn)			88.4		%		70-130	02-DEC-22
Titanium (Ti)			91.3		%		70-130	02-DEC-22
Zirconium (Zr)			87.8		%		70-130	02-DEC-22
WG3775015-1 MB								

Quality Control Report

Workorder: L2740757 Report Date: 06-DEC-22

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-IO3.5-MS-BU	**Filter**							
Batch R5902116								
WG3775015-1 MB								
Silver (Ag)			<0.090		ug		0.09	02-DEC-22
Aluminum (Al)			<9.0		ug		9	02-DEC-22
Arsenic (As)			<3.0		ug		3	02-DEC-22
Barium (Ba)			<0.50		ug		0.5	02-DEC-22
Beryllium (Be)			<0.050		ug		0.05	02-DEC-22
Cadmium (Cd)			<0.027		ug		0.027	02-DEC-22
Cobalt (Co)			<0.030		ug		0.03	02-DEC-22
Chromium (Cr)			<3.4		ug		3.4	02-DEC-22
Copper (Cu)			<1.0		ug		1	02-DEC-22
Iron (Fe)			<12		ug		12	02-DEC-22
Magnesium (Mg)			<60		ug		60	02-DEC-22
Manganese (Mn)			<0.45		ug		0.45	02-DEC-22
Molybdenum (Mo)			<0.36		ug		0.36	02-DEC-22
Nickel (Ni)			<0.25		ug		0.25	02-DEC-22
Lead (Pb)			<0.12		ug		0.12	02-DEC-22
Antimony (Sb)			<0.25		ug		0.25	02-DEC-22
Selenium (Se)			<1.3		ug		1.25	02-DEC-22
Thallium (Tl)			<0.090		ug		0.09	02-DEC-22
Uranium (U)			<0.0060		ug		0.006	02-DEC-22
Vanadium (V)			<5.0		ug		10	02-DEC-22
Zinc (Zn)			<4.5		ug		4.5	02-DEC-22
Bismuth (Bi)			<1.8		ug		1.8	02-DEC-22
Boron (B)			<15		ug		15	02-DEC-22
Phosphorus (P)			<750		ug		750	02-DEC-22
Strontium (Sr)			<3.0		ug		3	02-DEC-22
Tin (Sn)			<0.60		ug		0.6	02-DEC-22
Titanium (Ti)			<11		ug		10.5	02-DEC-22
Zirconium (Zr)			<2.0		ug		2	02-DEC-22
PART-HIVOL-GRAV-BU	**Filter**							
Batch R5900576								
WG3774812-2 DUP		**L2740757-1**						
Total particulate		34400	34400		ug	0.0	5	24-NOV-22
WG3774812-1 MB								
Total particulate			<100		ug		100	24-NOV-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUEST I

L2740757-COFC

www.alsglobal.com

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular ☑
Priority Service ☐
Emergency Service ☐
Date Required:

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2740757

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-TSP-21-08-22	21-Aug		742944		AA	1689	X	X				X					
SP2-TSP-27-08-22	27-Aug		742945		AA	1698	X	X				X					
SP2-TSP-16-09-22	16-Sep		743100		AA	1649	X	X				X					
SP2-TSP-05-10-22	5-Oct		743102		AA	1684	X	X				X					
SP2-TSP-11-10-22	11-Oct		743103		AA	1717	X	X				X					
SP2-TSP-17-10-22	17-Oct		743104		AA	1555	X	X				X					

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☒ AMBIENT

MEAN TEMP: 21.1

SAMPLED BY:	DATE & TIME	RECEIVED BY: ALSLO: PS Fed Ex	DATE & TIME 15 Nov 22, 14 °C
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: ALSTB: LV/RM	DATE & TIME 11/11/22 11:45

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

November 2018 Front

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 15-NOV-22
Report Date: 27-NOV-22 09:12 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2740755

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers: 1, 2
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740755-1 SP1-PM2.5-21-08-22									
Sampled By: CLIENT on 21-AUG-22									
Matrix: AMBIENT AIR									
Field Tests									
Air volume	8.2 m3	Air Conc.						15-NOV-22	R5897736
Particulates									
Total particulate			6.0		1.8	ug/m3		15-NOV-22	R5897757
Total particulate			49		15	ug		15-NOV-22	R5897757
L2740755-2 SP1-PM2.5-27-08-22									
Sampled By: CLIENT on 27-AUG-22									
Matrix: AMBIENT AIR									
Field Tests									
Air volume	8.2 m3	Air Conc.						15-NOV-22	R5897736
Particulates									
Total particulate			6.7		1.8	ug/m3		15-NOV-22	R5897757
Total particulate			55		15	ug		15-NOV-22	R5897757
L2740755-3 SP1-PM2.5-16-09-22									
Sampled By: CLIENT on 16-SEP-22									
Matrix: AMBIENT AIR									
Field Tests									
Air volume	8.1 m3	Air Conc.						15-NOV-22	R5897736
Particulates									
Total particulate			3.6		1.9	ug/m3		15-NOV-22	R5897757
Total particulate			29		15	ug		15-NOV-22	R5897757
L2740755-4 SP1-PM2.5-11-10-22									
Sampled By: CLIENT on 11-OCT-22									
Matrix: AMBIENT AIR									
Field Tests									
Air volume	8.2 m3	Air Conc.						15-NOV-22	R5897736
Particulates									
Total particulate			<1.8		1.8	ug/m3		15-NOV-22	R5897757
Total particulate			<15		15	ug		15-NOV-22	R5897757

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

1 2

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-M212 F-GRAV-BU	**Filter**							
Batch R5897757								
WG3774181-2 DUP		**L2740755-1**						
Total particulate		49	49		ug	0.0	10	15-NOV-22
WG3774181-1 MB								
Total particulate			<15		ug		15	15-NOV-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL RE

L2740755-COFC

www.alsglobal.com

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service	☑
Priority Service	☐
Emergency Service	☐
Date Required:	

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2740755

ENTERED BY: (Lab Use Only)

NOTES (Lab Use Only)

ANALYSIS REQUEST

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold	Mercury	STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP1-PM2.5-21-08-22	21-Aug		0890		AA	8.2				X							
SP1-PM2.5-27-08-22	27-Aug		1107		AA	8.2				X							
SP1-PM2.5-07-09-22	Sep		1113		AA	15.6				X							
SP1-PM2.5-16-09-22	16-Sep		1101		AA	8.1				X							
SP1-PM2.5-11-10-22	11-Oct		1095		AA	8.2				X							

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☒ AMBIENT

MEAN TEMP: 21.1

SAMPLED BY:	DATE & TIME	RECEIVED BY: ALS LO: PStadtly	DATE & TIME: 15 NOV-22
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: ALS TB LV / R.M	DATE & TIME: 11/11/22 11:45

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

FIRST MINING GOLD
ATTN: Mark Ridgway
1188 West Georgia St
Suite 2070
Vancouver BC V6E 4A2

Date Received: 15-NOV-22
Report Date: 27-NOV-22 09:15 (MT)
Version: FINAL

Client Phone: --

Certificate of Analysis

Lab Work Order #: L2740756

Project P.O. #: NOT SUBMITTED
Job Reference: GOLD CANYON R
C of C Numbers:
Legal Site Desc:

Gayle Braun
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740756-1	SP2-PM10-21-08-22								
Sampled By:	CLIENT on 21-AUG-22								
Matrix:	AMBIENT AIR								
Field Tests									
Air volume	24.03 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									
Total particulate			6.53		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			157		15	ug		15-NOV-22	R5897757
L2740756-2	SP2-PM10-27-08-22								
Sampled By:	CLIENT on 27-AUG-22								
Matrix:	AMBIENT AIR								
Field Tests									
Air volume	24.01 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									
Total particulate			12.5		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			300		15	ug		15-NOV-22	R5897757
L2740756-3	SP2-PM10-02-09-22								
Sampled By:	CLIENT on 02-SEP-22								
Matrix:	AMBIENT AIR								
Field Tests									
Air volume	24.02 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									
Total particulate			6.70		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			161		15	ug		15-NOV-22	R5897757
L2740756-4	SP2-PM10-16-09-22								
Sampled By:	CLIENT on 16-SEP-22								
Matrix:	AMBIENT AIR								
Field Tests									
Air volume	24.03 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									
Total particulate			2.58		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			62		15	ug		15-NOV-22	R5897757
L2740756-5	SP2-PM10-20-09-22								
Sampled By:	CLIENT on 20-SEP-22								
Matrix:	AMBIENT AIR								
Field Tests									
Air volume	24.03 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									
Total particulate			9.99		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			240		15	ug		15-NOV-22	R5897757
L2740756-6	SP2-PM10-05-10-22								
Sampled By:	CLIENT on 05-OCT-22								
Matrix:	AMBIENT AIR								
Field Tests									
Air volume	24.03 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters			Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L2740756-6 SP2-PM10-05-10-22 Sampled By: CLIENT on 05-OCT-22 Matrix: AMBIENT AIR									
Particulates									
Total particulate			4.24		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			102		15	ug		15-NOV-22	R5897757
L2740756-7 SP2-PM10-11-10-22 Sampled By: CLIENT on 11-OCT-22 Matrix: AMBIENT AIR									
Field Tests									
Air volume	24.03 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									
Total particulate			12.7		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			304		15	ug		15-NOV-22	R5897757
L2740756-8 SP2-PM10-17-10-22 Sampled By: CLIENT on 17-OCT-22 Matrix: AMBIENT AIR									
Field Tests									
Air volume	24.03 m3 Conc.	Air						15-NOV-22	R5897736
Particulates									
Total particulate			7.03		0.62	ug/m3		15-NOV-22	R5897757
Total particulate			169		15	ug		15-NOV-22	R5897757

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
AIR VOLUME-M212 F-BU	Filter	Air volume (m3)	EPA QA Guidance Document 2.12
PART-M212 F-GRAV-BU	Filter	PM via Gravimetric Analysis	EPA QA Guidance Document 2.12

The particulate matter collected onto tare-weighed 47mm Teflon Disc filter media is desiccated then brought to a constant weight on an analytical balance. Results are presented in ug (per filter). An air volume can be included to allow for reporting in ug/m3.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
BU	ALS ENVIRONMENTAL - BURLINGTON, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.
mg/kg - milligrams per kilogram based on dry weight of sample
mg/kg wwt - milligrams per kilogram based on wet weight of sample
mg/kg lwt - milligrams per kilogram based on lipid weight of sample
mg/L - unit of concentration based on volume, parts per million.
< - Less than.
D.L. - The reporting limit.
N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.
Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L2740756 Report Date: 27-NOV-22

Client: FIRST MINING GOLD
1188 West Georgia St Suite 2070
Vancouver BC V6E 4A2
Contact: Mark Ridgway

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PART-M212 F-GRAV-BU	**Filter**							
Batch R5897757								
WG3774181-3 DUP		**L2740756-1**						
Total particulate		157	157		ug	0.0	10	15-NOV-22
WG3774181-1 MB								
Total particulate			<15		ug		15	15-NOV-22

Quality Control Report

Legend:

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

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AIR QUALITY CHAIN OF CUSTODY / ANALYTICAL REQUES

L2740756-COFC

www.alsglobal.com

Note: All service level requests are in business days and with samples received before 3:00 pm. Statutory holidays and weekends are excluded. Emergency service is not available for all analysis - please contact laboratory before submission to confirm surcharge and availability. Please also note that for Industrial Hygiene work routine service level varies greatly depending on the analysis requested. **Please check the service level and specify the date required for all submissions.**

Regular Service	☑
Priority Service	☐
Emergency Service	☐
Date Required:	

COMPANY NAME	First Mining Gold	REGULATORY REQUIREMENT	
OFFICE			
PROJECT MANAGER	Mark Ridgway	METHOD REQUIREMENT	
PROJECT #			
PHONE	FAX	REPORT FORMAT/DISTRIBUTION	
ACCOUNT #			
QUOTATION #	Q81056	PO #	Email ☑ Fax ☐
Email 1:	mark@firstmininggold.com	Email 2: ryan.fletcher@woodplc.com	PDF ☑ EDD ☑

ALS WORK ORDER NUMBER: (Lab Use Only) L2740756

ENTERED BY: (Lab Use Only) AP

NOTES (Lab Use Only)

SAMPLE DESCRIPTION TO APPEAR ON REPORT	Sample Date/Time: Date (dd-mmm-yy)	Sample Date/Time: Time (24hr) (hh:mm)	Canister or Tube ID#	Regulator Serial #	Matrix Type	AIR VOLUME - L ☐ or m³ ☑	TSP	Metals	PM10	PM2.5	Hold		STARTING PRESSURE - Pre-Sampling ("Hg)	ENDING PRESSURE - Post Sampling ("Hg)	COLLECTION TIME	Field Conditions (Rain/Wind/Dust/Odour) Field PID Reading	ALS Sample Number (Lab Use Only)
SP2-PM10-21-08-22	21-Aug		0875		AA	24.03			X								
SP2-PM10-27-08-22	27-Aug		1110		AA	24.01			X								
SP2-PM10-02-09-22	2-Sep		1099		AA	24.02			X								
SP2-PM10-16-09-22	16-Sep		1106		AA	24.03			X								
SP2-PM10-20-09-22	20-Sep		1108		AA	24.03			X								
SP2-PM10-05-10-22	5-Oct		1094		AA	24.03			X								
SP2-PM10-27-06-22	11-Oct		1105		AA	24.03			X								
SP2-PM10-07-07-22	17-Oct		1093		AA	24.03			X								

SPECIAL INSTRUCTIONS/COMMENTS (Client Use)

Matrix Type: Indoor Air = IA; Industrial Hygiene = IH; Soil Gas Vapour = SG; Ambient Air = AA

SAMPLE CONDITION AS RECEIVED (Lab Use Only)

☐ FROZEN
☐ COLD
☐ COOLING INITIATED
☒ AMBIENT

MEAN TEMP: 21.1

SAMPLED BY:	DATE & TIME	RECEIVED BY: ALS Lo: PStathy	DATE & TIME: 15-NOV-22
RELINQUISHED BY:	DATE & TIME	RECEIVED AT LAB BY: LV/R.M	DATE & TIME: 11/11/21 11:45

SIF OBSERVATIONS: Yes ☐ No ☐

CUSTODY SEAL INTACT: Yes ☐ No ☐

INITIALS

Your Project #: ONS2104.CO1A16
Site Location: 2021/08/07 - 2021/08/22

Attention: Ryan Fletcher

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
160 TRADERS BLVD. EAST
Units 2 & 3
MISSISSAUGA, ON
CANADA L4Z 3K7

Report Date: 2021/09/28
Report #: R3077329
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C171054
Received: 2021/09/23, 08:37

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2021/09/23	2021/09/27	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2021/09/23	2021/09/27	PTC SOP-00149	Passive SO2 in ATM
VOC by Thermal Desorption Diffusive Tube	2	2021/09/23	2021/09/27	PTC SOP-00128	EPA 325B

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Results relate only to the items tested.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Levi Manchak, Project Manager SR
Email: Levi.MANCHAK@bureauveritas.com
Phone# (780)378-8542

==========

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BV Labs Job #: C171054
Report Date: 2021/09/28

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/08/07 - 2021/08/22
Sampler Initials: CD

RESULTS OF CHEMICAL ANALYSES OF AIR

BV Labs ID		AGO258		
Sampling Date		2021/08/07		
	UNITS	SP2	RDL	QC Batch
Passive Monitoring				
Calculated NO2	ppb	<0.2	0.2	A355636
Calculated SO2	ppb	<0.2	0.2	A358392
RDL = Reportable Detection Limit				

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

BV Labs Job #: C171054
Report Date: 2021/09/28

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/08/07 - 2021/08/22
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

BV Labs ID		AGO258	AGO268		
Sampling Date		2021/08/07	2021/08/07		
	UNITS	SP2	BLANK	RDL	QC Batch
Passive Monitoring					
Air Benzene	ug/m3	0.55	<0.50	0.50	A362626
Air Toluene	ug/m3	63	5.9	0.50	A362626
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A362626
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A362626
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A362626
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A362626
Air Total Retainable VOCs	ug/m3	78	<11	11	A362626
RDL = Reportable Detection Limit					

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

BV Labs Job #: C171054
Report Date: 2021/09/28

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/08/07 - 2021/08/22
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A355636	XSZ	Spiked Blank	Calculated NO2			102	%	90 - 110
A355636	XSZ	Method Blank	Calculated NO2		<0.1		ppb	
A358392	XSZ	Spiked Blank	Calculated SO2			107	%	90 - 110
A358392	XSZ	Method Blank	Calculated SO2		<0.1		ppb	
A362626	XSZ	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

BV Labs Job #: C171054
Report Date: 2021/09/28

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/08/07 - 2021/08/22
Sampler Initials: CD

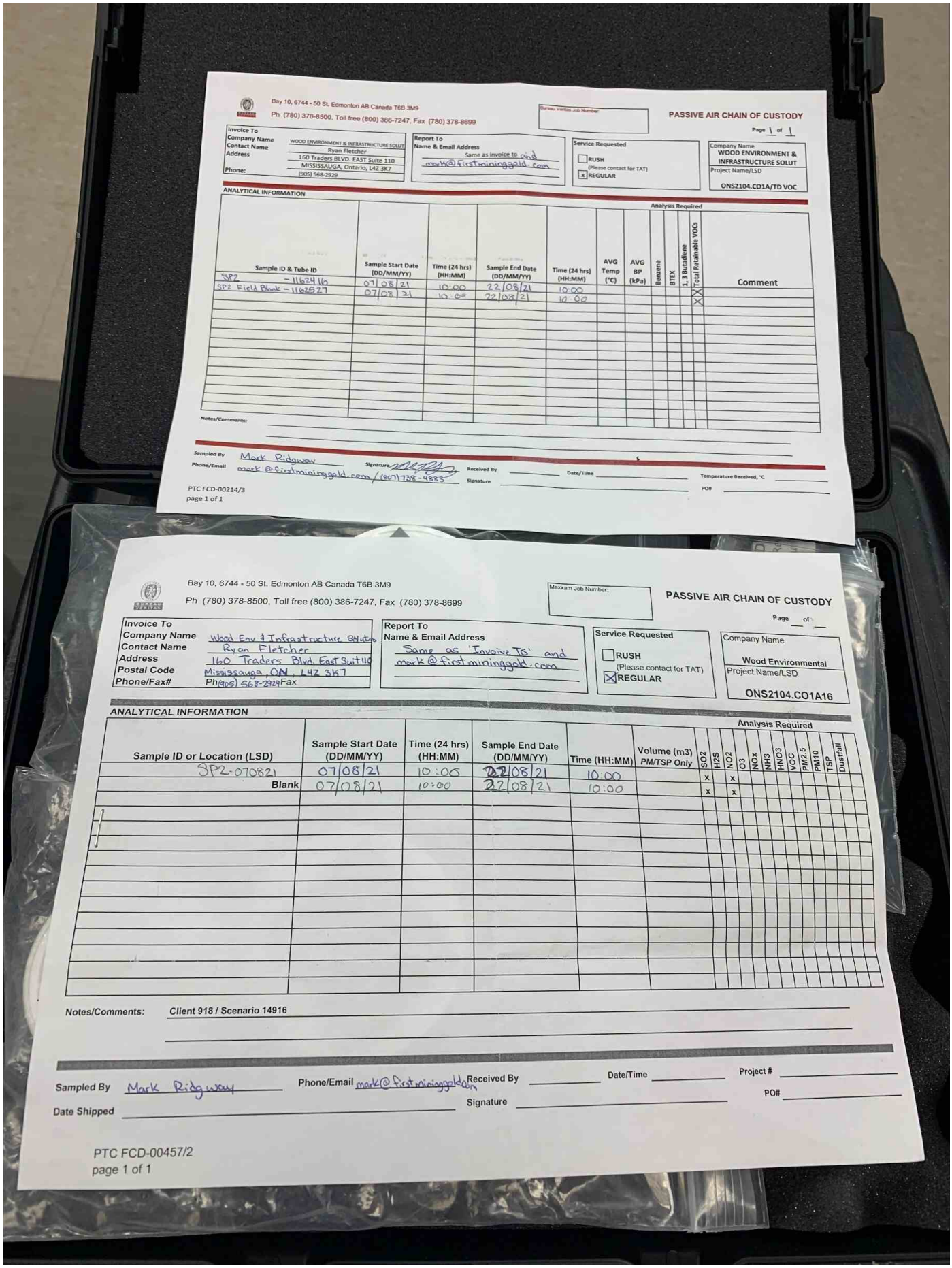
VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Carmen Toker, CT, Manager Air Laboratory Services

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Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699



Bay 10, 6744 - 50 St. Edmonton AB Canada T6B 3M9
Ph (780) 378-8500, Toll free (800) 386-7247, Fax (780) 378-8699

Bureau Veritas Job Number:

PASSIVE AIR CHAIN OF CUSTODY

Page 1 of 1

Invoice To		Report To	Service Requested	Company Name
Company Name	WOOD ENVIRONMENT & INFRASTRUCTURE SOLUT	Name & Email Address	☐ RUSH	WOOD ENVIRONMENT & INFRASTRUCTURE SOLUT
Contact Name	Ryan Fletcher	Same as invoice to and	(Please contact for TAT)	Project Name/LSD
Address	160 Traders BLVD. EAST Suite 110 MISSISSAUGA, Ontario, L4Z 3K7	mark@firstmininggold.com	☒ REGULAR	ONS2104.CO1A/TD VOC
Phone:	(905) 568-2929			

ANALYTICAL INFORMATION

Sample ID & Tube ID	Sample Start Date (DD/MM/YY)	Time (24 hrs) (HH:MM)	Sample End Date (DD/MM/YY)	Time (24 hrs) (HH:MM)	AVG Temp (°C)	AVG BP (kPa)	Analysis Required: Benzene	BTEX	1,3 Butadiene	Total Retainable VOCs	Comment
SP2 - 116246	07/08/21	10:00	22/08/21	10:00						X	
SP2 Field Blank - 116252	07/08/21	10:00	22/08/21	10:00						X	

Notes/Comments:

Sampled By Mark Ridgway Signature

Phone/Email mark@firstmininggold.com / (807) 738-4883

Received By Date/Time Temperature Received, °C

Signature PO#

PTC FCD-00214/3
page 1 of 1

Bay 10, 6744 - 50 St. Edmonton AB Canada T6B 3M9
Ph (780) 378-8500, Toll free (800) 386-7247, Fax (780) 378-8699

Maxxam Job Number:

PASSIVE AIR CHAIN OF CUSTODY

Page ___ of ___

Invoice To		Report To	Service Requested	Company Name
Company Name	Wood Env & Infrastructure Solutions	Name & Email Address	☐ RUSH	Wood Environmental
Contact Name	Ryan Fletcher	Same as 'Invoice To' and	(Please contact for TAT)	Project Name/LSD
Address	160 Traders Blvd. East Suite 110	mark@firstmininggold.com	☒ REGULAR	ONS2104.CO1A16
Postal Code	Mississauga, ON, L4Z 3K7			
Phone/Fax#	Ph (905) 568-2929 Fax			

ANALYTICAL INFORMATION

Sample ID or Location (LSD)	Sample Start Date (DD/MM/YY)	Time (24 hrs) (HH:MM)	Sample End Date (DD/MM/YY)	Time (HH:MM)	Volume (m3) PM/TSP Only	Analysis Required: SO2	H2S	NO2	O3	NOx	NH3	HNO3	VOC	PM2.5	PM10	TSP	Dustfall
SP2-070821	07/08/21	10:00	22/08/21	10:00		x		x									
Blank	07/08/21	10:00	22/08/21	10:00		x		x									

Notes/Comments: Client 918 / Scenario 14916

Sampled By Mark Ridgway Phone/Email mark@firstmininggold.com Received By Date/Time Project #

Date Shipped Signature PO#

PTC FCD-00457/2
page 1 of 1

Your Project #: ONS2104.CO1A16
Site Location: 2021/09/01 - 2021/10/28

Attention: Ryan Fletcher

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
160 TRADERS BLVD. EAST
Units 2 & 3
MISSISSAUGA, ON
CANADA L4Z 3K7

Report Date: 2021/12/17
Report #: R3110012
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C190234
Received: 2021/11/29, 07:30

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2021/12/06	2021/12/17	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2021/12/06	2021/12/17	PTC SOP-00149	Passive SO2 in ATM
VOC by Thermal Desorption Diffusive Tube	2	2021/12/06	2021/12/09	PTC SOP-00128	EPA 325B

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Results relate only to the items tested.
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Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

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Bureau Veritas Job #: C190234
Report Date: 2021/12/17

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/09/01 - 2021/10/28
Sampler Initials: CD

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		ALD671		
Sampling Date		2021/09/01 10:00		
	UNITS	**SP2**	**RDL**	**QC Batch**
Passive Monitoring				
Calculated NO2	ppb	0.7	0.1	A436540
Calculated SO2	ppb	0.1	0.1	A436851
RDL = Reportable Detection Limit				

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C190234
Report Date: 2021/12/17

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/09/01 - 2021/10/28
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ALD671	ALD672		
Sampling Date		2021/09/01 10:00			
	UNITS	**SP2**	**BLANK**	**RDL**	**QC Batch**
Passive Monitoring					
Air Benzene	ug/m3	<0.50	<0.50	0.50	A436695
Air Toluene	ug/m3	1.8	<0.50	0.50	A436695
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A436695
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A436695
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A436695
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A436695
Air Total Retainable VOCs	ug/m3	<11	<11	11	A436695
RDL = Reportable Detection Limit					

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C190234
Report Date: 2021/12/17

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/09/01 - 2021/10/28
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A436540	XSZ	Spiked Blank	Calculated NO2			98	%	90 - 110
A436540	XSZ	Method Blank	Calculated NO2		<0.1		ppb	
A436695	XSZ	Method Blank	Air Benzene	2021/12/09	<0.50		ug/m3	
			Air Toluene	2021/12/09	<0.50		ug/m3	
			Air Ethylbenzene	2021/12/09	<0.50		ug/m3	
			Air m & p-Xylene	2021/12/09	<2.5		ug/m3	
			Air o-Xylene	2021/12/09	<0.60		ug/m3	
			Air 1,3-Butadiene	2021/12/09	<6.0		ug/m3	
A436851	OZ	Spiked Blank	Calculated SO2			102	%	90 - 110
A436851	OZ	Method Blank	Calculated SO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Your Project #: ONS2104.CO1A16
Site Location: 2021/12/02 - 2022/01/27

Attention: Ryan Fletcher

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
160 TRADERS BLVD. EAST
Units 2 & 3
MISSISSAUGA, ON
CANADA L4Z 3K7

Report Date: 2022/02/19
Report #: R3137028
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C207910
Received: 2022/02/07, 08:01

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2022/02/14	2022/02/19	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2022/02/09	2022/02/19	PTC SOP-00149	Passive SO2 in ATM
VOC by Thermal Desorption Diffusive Tube	2	2022/02/14	2022/02/18	PTC SOP-00128	EPA 325B

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Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

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Bureau Veritas Job #: C207910
Report Date: 2022/02/19

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/12/02 - 2022/01/27
Sampler Initials: CD

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		AOG385		
Sampling Date		2021/12/02 12:00		
	UNITS	**SP2**	**RDL**	**QC Batch**
Passive Monitoring				
Calculated NO2	ppb	<0.1	0.1	A498958
Calculated SO2	ppb	<0.1	0.1	A495351
RDL = Reportable Detection Limit				

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		AOG385	AOG386		
Sampling Date		2021/12/02 12:00			
	UNITS	**SP2**	**BLANK**	**RDL**	**QC Batch**
Passive Monitoring					
Air Benzene	ug/m3	<0.50	<0.50	0.50	A496660
Air Toluene	ug/m3	<0.50	<0.50	0.50	A496660
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A496660
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A496660
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A496660
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A496660
Air Total Retainable VOCs	ug/m3	<11	<11	11	A496660
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C207910
Report Date: 2022/02/19

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/12/02 - 2022/01/27
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A495351	SS6	Spiked Blank	Calculated SO2			100	%	90 - 110
A495351	SS6	Method Blank	Calculated SO2		<0.1		ppb	
A496660	YL6	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	
A498958	SS6	Spiked Blank	Calculated NO2			97	%	90 - 110
A498958	SS6	Method Blank	Calculated NO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C207910
Report Date: 2022/02/19

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/12/02 - 2022/01/27
Sampler Initials: CD

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Yang Liu

Yang Liu, Analyst II

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Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

6716-50 St. Edmonton AB Canada T6B 3M9

Ph 780-378-8500; Toll free 800-386-7247; Fax 780-378-8699

BV Job Number:

PASSIVE AIR CHAIN OF CUSTODY

Page ___ of ___

Invoice To:		Report To:		Service Requested	Company Name
Company Name	First Mining Gold	Name:	Mark Ridgway & Ryan Fletcher	☐ RUSH (Please contact us for TAT)	First Mining Gold
Contact Name	Mark Ridgway	Email:	mark@firstmininggold.com , ryan.fletcher@woodplc.com	■ REGULAR	Project Name/LSD
Address					
Postal Code					
Phone	Fax				

ANALYTICAL INFORMATION

Sample ID or Location (LSD)	Sample Start Date (DD/MM/YY)	Time (HH:MM)	Sample End Date (DD/MM/YY)	Time (HH:MM)	Volume (m^3) *PM/TSP Only*	Analysis Required: SO2	H2S	NO2	O3	NOx	NH3	HNO3	VOC	PM2.5	PM10	TSP	Dustfall	
SP2-021221 VOC	2 Dec 2021	12:00	27 Jan 2022	12:00									✓					
SP2-021221 NO2	2 Dec 2021	12:00	27 Jan 2022	12:00				✓										
SP2-021221 SO2	2 Dec 2021	12:00	27 Jan 2022	12:00		✓												
Blank NO2								✓										
Blank SO2						✓												
Blank VOC													✓					

Notes/Comments: Sampled in Sioux Lookout, ON

Sampled By: RF **Phone:** _____ **Received By:** _____ **Project #** _____

Date shipped: 4 Feb 2022 **Date:** _____ **Time:** _____

Signature _____ **Signature** _____ **PO#** _____

PTCFCD-0045

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Bureau Veritas Job #: C190234
Report Date: 2021/12/17

WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
Client Project #: ONS2104.CO1A16
Site Location: 2021/09/01 - 2021/10/28
Sampler Initials: CD

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Yang Liu

Yang Liu, Analyst II

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For Service Group specific validation please refer to the Validation Signature Page.

Bureau Veritas Laboratories Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Your P.O. #: SEE SITE LOCATION
Site Location: ONS2104.CO1A.16**.5130.573000
Your C.O.C. #: N/A

Attention: Ryan Fletcher

AMEC Foster Wheeler Environment & Infrastructure
160 Traders Blvd
Mississauga, ON
CANADA L4Z3K7

Report Date: 2021/09/29
Report #: R6831899
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1Q1572
Received: 2021/09/10, 11:00

Sample Matrix: Filter
Samples Received: 5

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Mercury on Hi-Vol Filter (7471Bmod)	3	2021/09/27	2021/09/28	BRL SOP-00104	EPA 7471B m
Total Metals on Hi-Vol Filter (6010Cmod)	5	2021/09/24	2021/09/27	CAM SOP-00408	EPA 6010D m
Particulates on Filter (Method IO-3.1)	5	2021/09/22	2021/09/14	CAM SOP-00942	Method IO-3.1

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, MELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
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Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Your P.O. #: SEE SITE LOCATION
Site Location: ONS2104.CO1A.16**.5130.573000
Your C.O.C. #: N/A

Attention: Ryan Fletcher

AMEC Foster Wheeler Environment & Infrastructure
160 Traders Blvd
Mississauga, ON
CANADA L4Z3K7

Report Date: 2021/09/29
Report #: R6831899
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C1Q1572
Received: 2021/09/10, 11:00

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Marinela Sim, Project Manager
Email: Marinela.Sim@bureauveritas.com
Phone# (905)817-5828
==========
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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

BV Labs Job #: C1Q1572
Report Date: 2021/09/29

AMEC Foster Wheeler Environment & Infrastructure
Site Location: ONS2104.CO1A.16**.5130.573000
Your P.O. #: SEE SITE LOCATION
Sampler Initials: MR

RESULTS OF ANALYSES OF FILTER

BV Labs ID		QPX018	QPX019	QPX020	QPX021	QPX022		
Sampling Date		2021/08/08	2021/08/14	2021/08/20	2021/08/26	2021/09/01		
	UNITS	SP2-TSP-080821	SP2-TSP-0140821	SP2-TSP-200821	SP2-TSP-260821	SP2-TSP-010921	RDL	QC Batch
Particulate Weight on Filter	mg	40.6 (1)	42.3 (1)	65.9 (1)	25.3 (1)	34.6 (1)	5.0	7592931

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
(1) FNF Filter not folded

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BV Labs Job #: C1Q1572
Report Date: 2021/09/29

AMEC Foster Wheeler Environment & Infrastructure
Site Location: ONS2104.CO1A.16**.5130.573000
Your P.O. #: SEE SITE LOCATION
Sampler Initials: MR

MERCURY BY COLD VAPOUR AA (FILTER)

BV Labs ID		QPX018	QPX018	QPX020	QPX022		
Sampling Date		2021/08/08	2021/08/08	2021/08/20	2021/09/01		
	UNITS	SP2-TSP-080821	SP2-TSP-080821 Lab-Dup	SP2-TSP-200821	SP2-TSP-010921	RDL	QC Batch
Metals							
Total Mercury (Hg)	ug	<0.02	<0.02	<0.02	<0.02	0.02	7601708

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

BV Labs Job #: C1Q1572
Report Date: 2021/09/29

AMEC Foster Wheeler Environment & Infrastructure
Site Location: ONS2104.CO1A.16**.5130.573000
Your P.O. #: SEE SITE LOCATION
Sampler Initials: MR

ELEMENTS BY ICP-AES (FILTER)

BV Labs ID		QPX018	QPX019	QPX020	QPX021	QPX022		
Sampling Date		2021/08/08	2021/08/14	2021/08/20	2021/08/26	2021/09/01		
	UNITS	SP2-TSP-080821	SP2-TSP-0140821	SP2-TSP-200821	SP2-TSP-260821	SP2-TSP-010921	RDL	QC Batch
Metals								
Aluminum (Al)	ug	<50	81	50	<50	<50	50	7598310
Antimony (Sb)	ug	<10	<10	<10	<10	<10	10	7598310
Arsenic (As)	ug	<6.0	<6.0	<6.0	<6.0	<6.0	6.0	7598310
Barium (Ba)	ug	5.3	5.7	7.1	3.8	3.5	1.0	7598310
Beryllium (Be)	ug	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	7598310
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	<6.0	<6.0	6.0	7598310
Boron (B)	ug	<6.0	<6.0	<6.0	<6.0	<6.0	6.0	7598310
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7598310
Calcium (Ca)	ug	209	1090	454	155	201	50	7598310
Chromium (Cr)	ug	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7598310
Cobalt (Co)	ug	<2.0	<2.0	<2.0	<2.0	<2.0	2.0	7598310
Copper (Cu)	ug	186	148	104	119	104	5.0	7598310
Iron (Fe)	ug	82	219	90	<50	74	50	7598310
Lead (Pb)	ug	<3.0	<3.0	<3.0	<3.0	<3.0	3.0	7598310
Lithium (Li)	ug	<27	<27	<27	<27	<27	27	7598310
Magnesium (Mg)	ug	<50	287	60	<50	<50	50	7598310
Manganese (Mn)	ug	3.1	15.3	14.9	1.3	2.3	1.0	7598310
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	3.1	3.0	7598310
Nickel (Ni)	ug	<3.0	<3.0	<3.0	<3.0	<3.0	3.0	7598310
Phosphorus (P)	ug	<25	59	40	<25	<25	25	7598310
Potassium (K)	ug	150	136	227	<100	<100	100	7598310
Selenium (Se)	ug	<10	<10	<10	<10	<10	10	7598310
Silicon (Si)	ug	256	312	276	256	298	10	7598310
Silver (Ag)	ug	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7598310
Sodium (Na)	ug	<50	<50	<50	<50	<50	50	7598310
Strontium (Sr)	ug	<1.0	1.2	1.4	<1.0	<1.0	1.0	7598310
Sulphur (S)	ug	340	289	546	40	184	25	7598310
Thallium (Tl)	ug	<10	<10	<10	<10	<10	10	7598310
Tin (Sn)	ug	<10	<10	<10	<10	<10	10	7598310
Titanium (Ti)	ug	<10	<10	<10	<10	<10	10	7598310
Vanadium (V)	ug	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7598310
Zinc (Zn)	ug	12.5	5.3	14.5	<5.0	5.1	5.0	7598310
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	7598310

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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AMEC Foster Wheeler Environment & Infrastructure
Site Location: ONS2104.CO1A.16**.5130.573000
Your P.O. #: SEE SITE LOCATION
Sampler Initials: MR

TEST SUMMARY

BV Labs ID: QPX018 **Collected:** 2021/08/08
Sample ID: SP2-TSP-080821 **Shipped:**
Matrix: Filter **Received:** 2021/09/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury on Hi-Vol Filter (7471Bmod)	CV/AA	7601708	2021/09/27	2021/09/28	Meghaben Patel
Total Metals on Hi-Vol Filter (6010Cmod)	ICPX	7598310	2021/09/24	2021/09/27	Archana Patel
Particulates on Filter (Method IO-3.1)	BAL	7592931	2021/09/14	2021/09/14	Theodora LI

BV Labs ID: QPX018 Dup **Collected:** 2021/08/08
Sample ID: SP2-TSP-080821 **Shipped:**
Matrix: Filter **Received:** 2021/09/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury on Hi-Vol Filter (7471Bmod)	CV/AA	7601708	2021/09/27	2021/09/28	Meghaben Patel

BV Labs ID: QPX019 **Collected:** 2021/08/14
Sample ID: SP2-TSP-0140821 **Shipped:**
Matrix: Filter **Received:** 2021/09/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals on Hi-Vol Filter (6010Cmod)	ICPX	7598310	2021/09/24	2021/09/27	Archana Patel
Particulates on Filter (Method IO-3.1)	BAL	7592931	2021/09/14	2021/09/14	Theodora LI

BV Labs ID: QPX020 **Collected:** 2021/08/20
Sample ID: SP2-TSP-200821 **Shipped:**
Matrix: Filter **Received:** 2021/09/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury on Hi-Vol Filter (7471Bmod)	CV/AA	7601708	2021/09/27	2021/09/28	Meghaben Patel
Total Metals on Hi-Vol Filter (6010Cmod)	ICPX	7598310	2021/09/24	2021/09/27	Archana Patel
Particulates on Filter (Method IO-3.1)	BAL	7592931	2021/09/14	2021/09/14	Theodora LI

BV Labs ID: QPX021 **Collected:** 2021/08/26
Sample ID: SP2-TSP-260821 **Shipped:**
Matrix: Filter **Received:** 2021/09/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Metals on Hi-Vol Filter (6010Cmod)	ICPX	7598310	2021/09/24	2021/09/27	Archana Patel
Particulates on Filter (Method IO-3.1)	BAL	7592931	2021/09/14	2021/09/14	Theodora LI

BV Labs ID: QPX022 **Collected:** 2021/09/01
Sample ID: SP2-TSP-010921 **Shipped:**
Matrix: Filter **Received:** 2021/09/10

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Mercury on Hi-Vol Filter (7471Bmod)	CV/AA	7601708	2021/09/27	2021/09/28	Meghaben Patel
Total Metals on Hi-Vol Filter (6010Cmod)	ICPX	7598310	2021/09/24	2021/09/27	Archana Patel
Particulates on Filter (Method IO-3.1)	BAL	7592931	2021/09/14	2021/09/14	Theodora LI

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

Results relate only to the items tested.

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BV Labs Job #: C1Q1572
Report Date: 2021/09/29

QUALITY ASSURANCE REPORT

AMEC Foster Wheeler Environment & Infrastructure
Site Location: ONS2104.CO1A.16**.5130.573000
Your P.O. #: SEE SITE LOCATION
Sampler Initials: MR

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7598310	Aluminum (Al)	2021/09/27	113	75 - 125	100	85 - 115	<50	ug	0.70 (1)	20
7598310	Antimony (Sb)	2021/09/27	95	75 - 125	95	66 - 107	<10	ug	NC (1)	20
7598310	Arsenic (As)	2021/09/27	98	75 - 125	100	85 - 115	<6.0	ug	NC (1)	20
7598310	Barium (Ba)	2021/09/27	98	75 - 125	99	85 - 115	<1.0	ug	1.1 (1)	20
7598310	Beryllium (Be)	2021/09/27	99	75 - 125	102	85 - 115	<1.0	ug	NC (1)	20
7598310	Bismuth (Bi)	2021/09/27	101	75 - 125	102	85 - 115	<6.0	ug	1.1 (1)	20
7598310	Boron (B)	2021/09/27	97	75 - 125	98	85 - 115	<6.0	ug	0.30 (1)	20
7598310	Cadmium (Cd)	2021/09/27	100	75 - 125	101	85 - 115	<2.0	ug	NC (1)	20
7598310	Calcium (Ca)	2021/09/27	96	75 - 125	101	85 - 115	<50	ug	0.099 (1)	20
7598310	Chromium (Cr)	2021/09/27	95	75 - 125	98	85 - 115	<5.0	ug	NC (1)	20
7598310	Cobalt (Co)	2021/09/27	96	75 - 125	99	85 - 115	<2.0	ug	NC (1)	20
7598310	Copper (Cu)	2021/09/27	99	75 - 125	104	85 - 115	<5.0	ug	0.87 (1)	20
7598310	Iron (Fe)	2021/09/27	96	75 - 125	100	85 - 115	<50	ug	0.63 (1)	20
7598310	Lead (Pb)	2021/09/27	100	75 - 125	100	85 - 115	<3.0	ug	NC (1)	20
7598310	Lithium (Li)	2021/09/27					<27	ug		
7598310	Magnesium (Mg)	2021/09/27	96	75 - 125	99	85 - 115	<50	ug	0.80 (1)	20
7598310	Manganese (Mn)	2021/09/27	98	75 - 125	101	85 - 115	<1.0	ug	0.42 (1)	20
7598310	Molybdenum (Mo)	2021/09/27	101	75 - 125	102	85 - 115	<3.0	ug	0.98 (1)	20
7598310	Nickel (Ni)	2021/09/27	98	75 - 125	101	85 - 115	<3.0	ug	NC (1)	20
7598310	Phosphorus (P)	2021/09/27	103	75 - 125	103	85 - 115	<25	ug	0.96 (1)	20
7598310	Potassium (K)	2021/09/27	101	75 - 125	100	85 - 115	<100	ug	0.89 (1)	20
7598310	Selenium (Se)	2021/09/27	105	75 - 125	103	85 - 115	<10	ug	NC (1)	20
7598310	Silicon (Si)	2021/09/27	NC	75 - 125	102	85 - 115	<10	ug	1.4 (1)	20
7598310	Silver (Ag)	2021/09/27	98	75 - 125	98	85 - 115	<5.0	ug	0.91 (1)	20
7598310	Sodium (Na)	2021/09/27	100	75 - 125	102	85 - 115	<50	ug	0.20 (1)	20
7598310	Strontium (Sr)	2021/09/27	100	75 - 125	103	85 - 115	<1.0	ug	0.097 (1)	20
7598310	Sulphur (S)	2021/09/27	115	75 - 125	106	85 - 115	<25	ug	0.94 (1)	20
7598310	Thallium (Tl)	2021/09/27	100	75 - 125	101	85 - 115	<10	ug	NC (1)	20
7598310	Tin (Sn)	2021/09/27	100	75 - 125	102	85 - 115	<10	ug	NC (1)	20
7598310	Titanium (Ti)	2021/09/27	97	75 - 125	100	85 - 115	<10	ug	1.3 (1)	20
7598310	Vanadium (V)	2021/09/27	94	75 - 125	98	85 - 115	<5.0	ug	NC (1)	20

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
7598310	Zinc (Zn)	2021/09/27	99	75 - 125	101	85 - 115	<5.0	ug	0.86 (1)	20
7598310	Zirconium (Zr)	2021/09/27	94	75 - 125	99	85 - 115	<5.0	ug	1.1 (1)	20
7601708	Total Mercury (Hg)	2021/09/28	94 (2)	80 - 120	106	90 - 110	<0.002	ug	NC (3)	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Duplicate Parent ID

(2) Matrix Spike Parent ID [QPX018-01]

(3) Duplicate Parent ID [QPX018-01]

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

BV Labs Job #: C1Q1572
Report Date: 2021/09/29

AMEC Foster Wheeler Environment & Infrastructure
Site Location: ONS2104.CO1A.16**.5130.573000
Your P.O. #: SEE SITE LOCATION
Sampler Initials: MR

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Brenda Moore

Brenda Moore, Team Lead, Inorganic

John Bowman, Supervisor, Metals Group

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CAM FCD-01302 /3

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Fax: (905) 817-5777

CHAIN OF CUSTODY FORM - AIR

Page _1__ of _1__

CLIENT INFORMATION

Company Name: First Mining Gold
Project Manager: Mark Ridgway
e-mail: mark@firstmininggold.com
Address:

SECTION

Phone: (807)738-4883 Fax:
Sampled by: MR

ANALYSIS REQUESTED

Field Sample ID	Total Volume Sampled	Flow Rate	Collection Date	Sample Collection Time	Particulate	Metals
SP2-TSP-080821		34	08-Aug	12:00	X	X
SP2-TSP-140821		34	14-Aug	12:00	X	X
SP2-TSP-200821		34	20-Aug	12:00	X	X
SP2-TSP-260821		34	26-Aug	12:00	X	X
SP2-TSP-010921		34	01-Sep	12:00	X	X

10-Sep-21 11:00
Michelle Huth
C1Q1572

TAT Requirement

STD 10 Business day ☑
Rush 5 Business day * ☐
Rush 2 Business day * ☐
* need approval from Bureau Veritas

PROJECT INFORMATION

Project #:
Name:
PO #:
BV Quote #:
BV Contact:

REPORTING REQUIREMENTS

Summary Report only ☐
EDD ☑
Regulation

Notes

Please note if these samples are "Industrial Hygiene" samples
If submitting dustfall samples, please indicate the diameter of the jar opening in cm.
PROJECT SPECIFIC COMMENTS

Please send results to ryan.fletcher@woodplc.com and airgroup@woodplc.com as well

Client Signature: Mark Ridgway
Affiliation: FMG
Date/Time: Sept 8/2021 13:00

Received by: Michelle Huth MHuth
Affiliation: Bureau Veritas
Date/Time: 2021/09/10 11:00

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Rec'd In Thunder Bay

PRABU357
2021/09/11

10138

Your Project #: ONS2104.CO1A16
Site Location: 2022/02/01 - 2022/03/02

Attention: Ryan Fletcher

FIRST MINING GOLD CORP.
Springpole Project
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/03/18
Report #: R3148984
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C215845
Received: 2022/03/09, 10:15

Sample Matrix: Air
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2022/03/14	2022/03/18	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2022/03/14	2022/03/18	PTC SOP-00149	Passive SO2 in ATM
VOC by Thermal Desorption Diffusive Tube	2	2022/03/16	2022/03/17	PTC SOP-00128	EPA 325B

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Results relate only to the items tested.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500
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Bureau Veritas Job #: C215845
Report Date: 2022/03/18

FIRST MINING GOLD CORP.
Client Project #: ONS2104.CO1A16
Site Location: 2022/02/01 - 2022/03/02
Sampler Initials: CD

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		APY796		
Sampling Date		2022/02/01 00:00		
	UNITS	SP2	RDL	QC Batch
Passive Monitoring				
Calculated NO2	ppb	0.8	0.1	A524877
Calculated SO2	ppb	0.1	0.1	A523473
RDL = Reportable Detection Limit				

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C215845
Report Date: 2022/03/18

FIRST MINING GOLD CORP.
Client Project #: ONS2104.CO1A16
Site Location: 2022/02/01 - 2022/03/02
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		APY798	APY799		
Sampling Date		2022/02/01 00:00			
	UNITS	SP VOC	BLANK VOC	RDL	QC Batch
Passive Monitoring					
Air Benzene	ug/m3	0.88	<0.50	0.50	A522748
Air Toluene	ug/m3	0.79	<0.50	0.50	A522748
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A522748
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A522748
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A522748
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A522748
Air Total Retainable VOCs	ug/m3	97	<11	11	A522748
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C215845
Report Date: 2022/03/18

FIRST MINING GOLD CORP.
Client Project #: ONS2104.CO1A16
Site Location: 2022/02/01 - 2022/03/02
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A522748	XSZ	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	
A523473	OZ	Spiked Blank	Calculated SO2			102	%	90 - 110
A523473	OZ	Method Blank	Calculated SO2		<0.1		ppb	
A524877	SS6	Spiked Blank	Calculated NO2			97	%	90 - 110
A524877	SS6	Method Blank	Calculated NO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

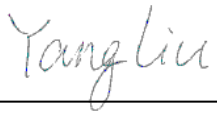
Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C215845
Report Date: 2022/03/18

FIRST MINING GOLD CORP.
Client Project #: ONS2104.CO1A16
Site Location: 2022/02/01 - 2022/03/02
Sampler Initials: CD

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Your Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/05/12
Report #: R3171710
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C229720
Received: 2022/05/03, 08:30

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	2	2022/05/06	2022/05/11	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	2	2022/05/10	2022/05/11	PTC SOP-00149	Passive SO2 in ATM

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Phone# (780) 378-8500

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Bureau Veritas Job #: C229720
Report Date: 2022/05/12

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022
Sampler Initials: CD

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		ASN030	ASN045		
Sampling Date		2022/03/03 00:00	2022/03/31 00:00		
	UNITS	**MARCH 2022**	**APRIL 2022**	**RDL**	**QC Batch**
Passive Monitoring					
Calculated NO2	ppb	0.1	<0.1	0.1	A570476
Calculated SO2	ppb	<0.1	0.2	0.1	A569741
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C229720
Report Date: 2022/05/12

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A569741	OZ	Spiked Blank	Calculated SO2			101	%	90 - 110
A569741	OZ	Method Blank	Calculated SO2		<0.1		ppb	
A570476	XSZ	Spiked Blank	Calculated NO2			100	%	90 - 110
A570476	XSZ	Method Blank	Calculated NO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

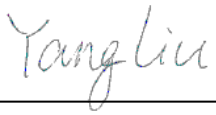
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Bureau Veritas Job #: C229720
Report Date: 2022/05/12

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022
Sampler Initials: CD

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Your Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/08/02
Report #: R3207783
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C231253
Received: 2022/05/03, 08:30

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
VOC by Thermal Desorption Diffusive Tube	2	2022/05/09	N/A	PTC SOP-00128	EPA 325B

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Phone# (780) 378-8500
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Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ASN032	ASN033		
Sampling Date		2022/03/17 00:00			
	UNITS	SP VOC	BLANK VOC	RDL	QC Batch
Passive Monitoring					
Air Benzene	ug/m3	0.87	<0.50	0.50	A570480
Air Toluene	ug/m3	0.77	<0.50	0.50	A570480
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A570480
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A570480
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A570480
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A570480
Air Total Retainable VOCs	ug/m3	<11	<11	11	A570480
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A570480	SDK	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	
			Air Total Retainable VOCs		NA, RDL=11		ug/m3	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

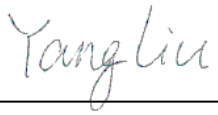
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Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

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Your Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/08/02
Report #: R3207783
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C231253
Received: 2022/05/03, 08:30

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
VOC by Thermal Desorption Diffusive Tube	2	2022/05/09	N/A	PTC SOP-00128	EPA 325B

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Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		ASN032	ASN033		
Sampling Date		2022/03/17 00:00			
	UNITS	SP VOC	BLANK VOC	RDL	QC Batch
Passive Monitoring					
Air Benzene	ug/m3	0.87	<0.50	0.50	A570480
Air Toluene	ug/m3	0.77	<0.50	0.50	A570480
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A570480
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A570480
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A570480
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A570480
Air Total Retainable VOCs	ug/m3	<11	<11	11	A570480
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A570480	SDK	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	
			Air Total Retainable VOCs		NA, RDL=11		ug/m3	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

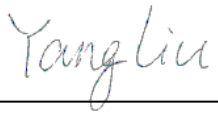
Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C231253
Report Date: 2022/08/02

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MARCH - APRIL 2022 TD
Sampler Initials: CD

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Your Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/07/27
Report #: R3205641
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C251978
Received: 2022/07/18, 07:30

Sample Matrix: Air
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
VOC by Thermal Desorption Diffusive Tube	6	2022/07/21	N/A	PTC SOP-00128	EPA 325B

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Bureau Veritas Job #: C251978
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		AXN625	AXN626	AXN629	AXN631		
Sampling Date		2022/06/01 12:00	2022/06/01	2022/04/26 12:00	2022/04/26		
	UNITS	SP VOC - 1179701	BLANK VOC - 1180127	SP VOC - 1178402	BLANK VOC - 1178525	RDL	QC Batch
Passive Monitoring							
Air Benzene	ug/m3	<0.50	<0.50	<0.50	<0.50	0.50	A650777
Air Toluene	ug/m3	<0.50	<0.50	0.52	<0.50	0.50	A650777
Air Ethylbenzene	ug/m3	<0.50	<0.50	<0.50	<0.50	0.50	A650777
Air m & p-Xylene	ug/m3	<2.5	<2.5	<2.5	<2.5	2.5	A650777
Air o-Xylene	ug/m3	<0.60	<0.60	<0.60	<0.60	0.60	A650777
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	<6.0	<6.0	6.0	A650777
Air Total Retainable VOCs	ug/m3	NA	NA	NA	NA	11	A650777
RDL = Reportable Detection Limit							

Bureau Veritas ID		AXN630	AXN632		
Sampling Date		2022/05/11 12:00	2022/05/11		
	UNITS	SP VOC - 1137796	BLANK VOC - 1137888	RDL	QC Batch
Passive Monitoring					
Air Benzene	ug/m3	<0.50	<0.50	0.50	A650777
Air Toluene	ug/m3	<0.50	<0.50	0.50	A650777
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A650777
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A650777
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A650777
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A650777
Air Total Retainable VOCs	ug/m3	NA	NA	11	A650777
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C251978
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C251978
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A650777	SDK	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	
			Air Total Retainable VOCs		NA, RDL=11		ug/m3	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

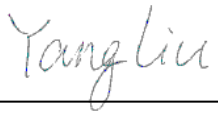
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Bureau Veritas Job #: C251978
Report Date: 2022/07/27

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Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

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Yang Liu, Analyst II

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Your Project #: ONS2104.CO1A16
Site Location: MAY 2022

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/07/27
Report #: R3205639
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C251985
Received: 2022/07/18, 07:30

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2022/07/20	2022/07/20	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2022/07/19	2022/07/25	PTC SOP-00149	Passive SO2 in ATM

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Encryption Key

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Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

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Bureau Veritas Job #: C251985
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MAY 2022
Sampler Initials: CD

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		AXN652		
Sampling Date		2022/04/26 12:00		
	UNITS	**MAY 2022**	**RDL**	**QC Batch**
Passive Monitoring				
Calculated NO2	ppb	0.2	0.1	A649940
Calculated SO2	ppb	<0.1	0.1	A649595
RDL = Reportable Detection Limit				

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C251985
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MAY 2022
Sampler Initials: CD

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C251985
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MAY 2022
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A649595	OZ	Spiked Blank	Calculated SO2			100	%	90 - 110
A649595	OZ	Method Blank	Calculated SO2		<0.1		ppb	
A649940	XSZ	Spiked Blank	Calculated NO2	2022/07/20		101	%	90 - 110
A649940	XSZ	Method Blank	Calculated NO2	2022/07/20	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

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Bureau Veritas Job #: C251985
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: MAY 2022
Sampler Initials: CD

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Yang Liu, Analyst II

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Your Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/07/27
Report #: R3205641
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C251978
Received: 2022/07/18, 07:30

Sample Matrix: Air
Samples Received: 6

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
VOC by Thermal Desorption Diffusive Tube	6	2022/07/21	N/A	PTC SOP-00128	EPA 325B

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Encryption Key

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Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500
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Bureau Veritas Job #: C251978
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		AXN625	AXN626	AXN629	AXN631		
Sampling Date		2022/06/01 12:00	2022/06/01	2022/04/26 12:00	2022/04/26		
	UNITS	SP VOC - 1179701	BLANK VOC - 1180127	SP VOC - 1178402	BLANK VOC - 1178525	RDL	QC Batch
Passive Monitoring							
Air Benzene	ug/m3	<0.50	<0.50	<0.50	<0.50	0.50	A650777
Air Toluene	ug/m3	<0.50	<0.50	0.52	<0.50	0.50	A650777
Air Ethylbenzene	ug/m3	<0.50	<0.50	<0.50	<0.50	0.50	A650777
Air m & p-Xylene	ug/m3	<2.5	<2.5	<2.5	<2.5	2.5	A650777
Air o-Xylene	ug/m3	<0.60	<0.60	<0.60	<0.60	0.60	A650777
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	<6.0	<6.0	6.0	A650777
Air Total Retainable VOCs	ug/m3	NA	NA	NA	NA	11	A650777
RDL = Reportable Detection Limit							

Bureau Veritas ID		AXN630	AXN632		
Sampling Date		2022/05/11 12:00	2022/05/11		
	UNITS	SP VOC - 1137796	BLANK VOC - 1137888	RDL	QC Batch
Passive Monitoring					
Air Benzene	ug/m3	<0.50	<0.50	0.50	A650777
Air Toluene	ug/m3	<0.50	<0.50	0.50	A650777
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A650777
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A650777
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A650777
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A650777
Air Total Retainable VOCs	ug/m3	NA	NA	11	A650777
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C251978
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C251978
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A650777	SDK	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	
			Air Total Retainable VOCs		NA, RDL=11		ug/m3	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

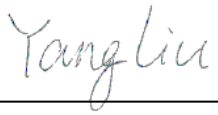
Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C251978
Report Date: 2022/07/27

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: APRIL - JUNE 2022 TD
Sampler Initials: CD

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Yang Liu, Analyst II

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Your Project #: 2022/06/01 - 2022/07/11
Site Location: RED LAKE ONTARIO

Attention: Ryan Fletcher

FIRST MINING GOLD CORP.
ONS2104.CO1A16
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/08/31
Report #: R3224316
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C262790
Received: 2022/08/22, 08:00

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2022/08/23	2022/08/30	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2022/08/26	2022/08/30	PTC SOP-00149	Passive SO2 in ATM

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Phone# (780) 378-8500

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Bureau Veritas Job #: C262790
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/06/01 - 2022/07/11
Site Location: RED LAKE ONTARIO
Sampler Initials: N/A

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		BAC580		
Sampling Date		2022/06/01 00:00		
	UNITS	**JUNE**	**RDL**	**QC Batch**
Passive Monitoring				
Calculated NO2	ppb	<0.1	0.1	A690568
Calculated SO2	ppb	<0.1	0.1	A695232
RDL = Reportable Detection Limit				

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C262790
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/06/01 - 2022/07/11
Site Location: RED LAKE ONTARIO
Sampler Initials: N/A

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A690568	XSZ	Spiked Blank	Calculated NO2			98	%	90 - 110
A690568	XSZ	Method Blank	Calculated NO2		<0.1		ppb	
A695232	XSZ	Spiked Blank	Calculated SO2			103	%	90 - 110
A695232	XSZ	Method Blank	Calculated SO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C262790
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/06/01 - 2022/07/11
Site Location: RED LAKE ONTARIO
Sampler Initials: N/A

VALIDATION SIGNATURE PAGE

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Carmen Toker, CT, Manager Air Laboratory Services

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Your Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO PASSIVE

Attention: Ryan Fletcher

FIRST MINING GOLD CORP.
ONS2104.CO1A16
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/08/31
Report #: R3224317
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C262867
Received: 2022/08/22, 08:30

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2022/08/23	2022/08/30	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2022/08/26	2022/08/30	PTC SOP-00149	Passive SO2 in ATM

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Customer Service Passives,
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Bureau Veritas Job #: C262867
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO PASSIVE
Sampler Initials: N/A

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		BAD197		
Sampling Date		2022/07/17 00:00		
	UNITS	JULY	RDL	QC Batch
Passive Monitoring				
Calculated NO2	ppb	0.8	0.1	A690568
Calculated SO2	ppb	<0.1	0.1	A695232
RDL = Reportable Detection Limit				

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

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Bureau Veritas Job #: C262867
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO PASSIVE
Sampler Initials: N/A

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A690568	XSZ	Spiked Blank	Calculated NO2			98	%	90 - 110
A690568	XSZ	Method Blank	Calculated NO2		<0.1		ppb	
A695232	XSZ	Spiked Blank	Calculated SO2			103	%	90 - 110
A695232	XSZ	Method Blank	Calculated SO2		<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C262867
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO PASSIVE
Sampler Initials: N/A

VALIDATION SIGNATURE PAGE

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Carmen Toker, CT, Manager Air Laboratory Services

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Your Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO TD

Attention: Ryan Fletcher

FIRST MINING GOLD CORP.
ONS2104.CO1A16
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/08/31
Report #: R3224323
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C262880
Received: 2022/08/22, 08:41

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
VOC by Thermal Desorption Diffusive Tube	2	2022/08/23	2022/08/30	PTC SOP-00128	EPA 325B

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Encryption Key

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Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500
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Bureau Veritas Job #: C262880
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO TD
Sampler Initials: N/A

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		BAD246	BAD247		
Sampling Date		2022/07/17 12:00			
	UNITS	**JULY**	**BLANK**	**RDL**	**QC Batch**
Passive Monitoring					
Air Benzene	ug/m3	<0.50	<0.50	0.50	A690363
Air Toluene	ug/m3	<0.50	<0.50	0.50	A690363
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A690363
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A690363
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A690363
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A690363
Air Total Retainable VOCs	ug/m3	<11	<11	11	A690363
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C262880
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO TD
Sampler Initials: N/A

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A690363	SDK	Method Blank	Air Benzene	2022/08/23	<0.50		ug/m3	
			Air Toluene	2022/08/23	<0.50		ug/m3	
			Air Ethylbenzene	2022/08/23	<0.50		ug/m3	
			Air m & p-Xylene	2022/08/23	<2.5		ug/m3	
			Air o-Xylene	2022/08/23	<0.60		ug/m3	
			Air 1,3-Butadiene	2022/08/23	<6.0		ug/m3	
			Air Total Retainable VOCs	2022/08/23	NA, RDL=11		ug/m3	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

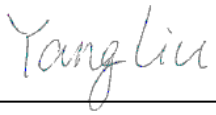
Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C262880
Report Date: 2022/08/31

FIRST MINING GOLD CORP.
Client Project #: 2022/07/17 - 2022/08/17
Site Location: RED LAKE ONTARIO TD
Sampler Initials: N/A

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Yang Liu, Analyst II

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Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Your Project #: ONS2104.CO1A16
Site Location: AUGUST 2022 TD

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/11/25
Report #: R3269079
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C290754
Received: 2022/11/16, 07:45

Sample Matrix: Air
Samples Received: 2

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
VOC by Thermal Desorption Diffusive Tube	2	2022/11/17	2022/11/22	PTC SOP-00128	EPA 325B

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Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

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Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290754
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: AUGUST 2022 TD
Sampler Initials: CD

VOLATILE ORGANICS BY GC-MS (AIR)

Bureau Veritas ID		BHD696	BHD697		
Sampling Date		2022/08/17 00:00	2022/08/17 00:00		
	UNITS	VOC AUGUST	BLANK VOC	RDL	QC Batch
Passive Monitoring					
Air Benzene	ug/m3	<0.50	<0.50	0.50	A796498
Air Toluene	ug/m3	<0.50	<0.50	0.50	A796498
Air Ethylbenzene	ug/m3	<0.50	<0.50	0.50	A796498
Air m & p-Xylene	ug/m3	<2.5	<2.5	2.5	A796498
Air o-Xylene	ug/m3	<0.60	<0.60	0.60	A796498
Air 1,3-Butadiene	ug/m3	<6.0	<6.0	6.0	A796498
Air Total Retainable VOCs	ug/m3	18	<11	11	A796498
RDL = Reportable Detection Limit					

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290754
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: AUGUST 2022 TD
Sampler Initials: CD

GENERAL COMMENTS

Tubes were exceeded storage life. --YL620221124

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290754
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: AUGUST 2022 TD
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A796498	XSZ	Method Blank	Air Benzene		<0.50		ug/m3	
			Air Toluene		<0.50		ug/m3	
			Air Ethylbenzene		<0.50		ug/m3	
			Air m & p-Xylene		<2.5		ug/m3	
			Air o-Xylene		<0.60		ug/m3	
			Air 1,3-Butadiene		<6.0		ug/m3	

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

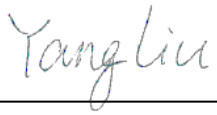
Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290754
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: AUGUST 2022 TD
Sampler Initials: CD

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Yang Liu, Analyst II

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Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Your Project #: ONS2104.CO1A16
Site Location: SEPTEMBER 2022

Attention: Ryan Fletcher

GOLD CANYON RESOURCES INC.
SPRINGPOLE PROJECT
Suite 2070
1188 West Georgia Street
Vancouver, BC
CANADA V6E 4A2

Report Date: 2022/11/25
Report #: R3269074
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C290752
Received: 2022/11/16, 07:45

Sample Matrix: Air
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
NO2 Passive Analysis	1	2022/11/17	2022/11/23	PTC SOP-00148	Passive NO2 in ATM
SO2 Passive Analysis	1	2022/11/18	2022/11/21	PTC SOP-00149	Passive SO2 in ATM

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

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Customer Service Passives,
Email: PassiveAir@bureauveritas.com
Phone# (780) 378-8500

==========

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Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290752
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: SEPTEMBER 2022
Sampler Initials: CD

RESULTS OF CHEMICAL ANALYSES OF AIR

Bureau Veritas ID		BHD693		
Sampling Date		2022/08/30 12:00		
	UNITS	**AUGUST 2022**	**RDL**	**QC Batch**
Passive Monitoring				
Calculated NO2	ppb	0.6	0.1	A801205
Calculated SO2	ppb	<0.1	0.1	A802286
RDL = Reportable Detection Limit				

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290752
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: SEPTEMBER 2022
Sampler Initials: CD

GENERAL COMMENTS

Results relate only to the items tested.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290752
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: SEPTEMBER 2022
Sampler Initials: CD

QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
A801205	XSZ	Spiked Blank	Calculated NO2			100	%	90 - 110
A801205	XSZ	Method Blank	Calculated NO2		<0.1		ppb	
A802286	SS6	Spiked Blank	Calculated SO2	2022/11/21		97	%	90 - 110
A802286	SS6	Method Blank	Calculated SO2	2022/11/21	<0.1		ppb	

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Bureau Veritas Job #: C290752
Report Date: 2022/11/25

GOLD CANYON RESOURCES INC.
Client Project #: ONS2104.CO1A16
Site Location: SEPTEMBER 2022
Sampler Initials: CD

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Yang Liu

Yang Liu, Analyst II

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. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by {0}, {1} responsible for {2} {3} laboratory operations.

Bureau Veritas Edmonton: 6744 - 50th Street T6B 3M9 Telephone (780) 378-8500 Fax (780) 378-8699

Attachment B
Continuous Data

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-08 00:00	28.32	31	33.82	34.34	82	90	91
2021-08-08 01:00	24.97	27.36	30.12	30.45	72	80	81
2021-08-08 02:00	24.34	26.68	29.48	29.95	71	78	79
2021-08-08 03:00	25.72	28.17	31.07	31.41	75	82	83
2021-08-08 04:00	27.13	29.79	32.8	33.04	79	87	88
2021-08-08 05:00	29.39	32.28	35.25	35.63	86	93	94
2021-08-08 06:00	29.6	32.52	35.35	35.83	86	94	95
2021-08-08 07:00	30.45	33.42	36.04	36.28	89	95	96
2021-08-08 08:00	29.75	32.51	34.69	35.13	86	92	93
2021-08-08 09:00	26.43	28.63	30.48	31.15	76	81	83
2021-08-08 10:00	25.85	27.89	29.69	30.17	74	79	80
2021-08-08 11:00	24.7	26.5	28.22	28.61	70	75	76
2021-08-08 12:00	22.19	23.76	25.36	26.13	63	67	69
2021-08-08 13:00	21.76	23.34	24.98	25.5	62	66	68
2021-08-08 14:00	18.5	19.91	21.39	22.06	53	57	58
2021-08-08 15:00	11.51	12.28	13.24	13.62	33	35	36
2021-08-08 16:00	12.12	12.91	13.85	14.18	34	37	38
2021-08-08 17:00	12.19	13	14.06	14.49	34	37	38
2021-08-08 18:00	11.01	11.78	13.07	13.5	31	35	36
2021-08-08 19:00	9.49	10.18	11.57	12.21	27	31	32
2021-08-08 20:00	9.09	9.85	11.35	11.81	26	30	31
2021-08-08 21:00	9.37	10.31	12.12	12.6	27	32	33
2021-08-08 22:00	8.73	9.71	11.82	12.45	26	31	33
2021-08-08 23:00	8.19	9.03	10.79	11.12	24	29	29
2021-08-09 00:00	7.55	8.86	13.9	14.57	23	37	39
2021-08-09 01:00	7.13	8.32	13.38	13.86	22	35	37
2021-08-09 02:00	7.21	8.39	12.33	12.66	22	33	34
2021-08-09 03:00	7.28	8.62	13.68	13.95	23	36	37
2021-08-09 04:00	7.68	8.69	14.05	14.6	23	37	39
2021-08-09 05:00	9.38	10.55	16.26	16.74	28	43	44
2021-08-09 06:00	17.98	19.13	21	21.43	51	56	57
2021-08-09 07:00	20.53	21.69	23.31	23.88	57	62	63
2021-08-09 08:00	20.94	22.02	24.13	27.07	58	64	72
2021-08-09 09:00	22.62	23.58	25.24	27.43	62	67	73
2021-08-09 10:00	21.71	22.58	24.21	25.98	60	64	69
2021-08-09 11:00	20.88	21.62	22.91	24.29	57	61	64
2021-08-09 12:00	21.08	21.8	22.88	24.12	58	61	64
2021-08-09 13:00	21.97	22.68	23.52	24.09	60	62	64
2021-08-09 14:00	22.39	23.13	24.12	24.69	61	64	65
2021-08-09 15:00	23.29	24.16	26.01	27.22	64	69	72
2021-08-09 16:00	23.44	24.45	26.84	27.88	65	71	74
2021-08-09 17:00	23.34	24.5	29.3	29.97	65	78	79
2021-08-09 18:00	23.82	24.79	26.54	27.26	66	70	72
2021-08-09 19:00	24.01	25.22	30.4	30.88	67	81	82
2021-08-09 20:00	24.07	25.81	33.15	34.25	68	88	91
2021-08-09 21:00	24.63	26.46	34.07	34.65	70	90	92
2021-08-09 22:00	24.21	26.13	35.09	35.67	69	93	95
2021-08-09 23:00	20.49	22.34	31.97	32.63	59	85	86
2021-08-10 00:00	20.28	22.32	32.16	32.63	59	85	86
2021-08-10 01:00	16.15	18.03	26.68	27.21	48	71	72
2021-08-10 02:00	13.94	15.86	26.9	28.14	42	71	75

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-10 03:00	14.37	16.46	24.47	27.24	44	65	72
2021-08-10 04:00	19.72	21.51	25.56	27.1	57	68	72
2021-08-10 05:00	20.9	22.45	25.41	26.61	59	67	70
2021-08-10 06:00	14.72	15.59	18.07	19.41	41	48	51
2021-08-10 07:00	9.55	10.44	15	16.38	28	40	43
2021-08-10 08:00	9.93	10.7	13.7	14.98	28	36	40
2021-08-10 09:00	12.54	13.53	16.69	17.27	36	44	46
2021-08-10 10:00	12.44	13.46	16.78	17.69	36	44	47
2021-08-10 11:00	13.83	14.94	17.91	19.02	40	47	50
2021-08-10 12:00	12	13.1	16.03	16.99	35	42	45
2021-08-10 13:00	9.06	9.81	12.26	14.76	26	32	39
2021-08-10 14:00	7.02	7.7	9.96	13.25	20	26	35
2021-08-10 15:00	6.6	7.31	9.73	12.56	19	26	33
2021-08-10 16:00	4.28	4.95	7.46	10.92	13	20	29
2021-08-10 17:00	2.17	2.73	5.36	9.04	7	14	24
2021-08-10 18:00	1.37	1.93	4.92	10.14	5	13	27
2021-08-10 19:00	1.53	2.2	5.65	9.63	6	15	26
2021-08-10 20:00	1.99	2.81	6.65	10.14	7	18	27
2021-08-10 21:00	2.1	3.03	7.39	11.37	8	20	30
2021-08-10 22:00	1.98	2.93	7.44	12.03	8	20	32
2021-08-10 23:00	1.7	2.73	7.84	12.49	7	21	33
2021-08-11 00:00	1.64	2.69	8.35	15.59	7	22	41
2021-08-11 01:00	1.78	3.05	9.23	16.02	8	24	42
2021-08-11 02:00	1.67	2.51	5.84	7.61	7	15	20
2021-08-11 03:00	1.17	1.75	3.76	4.24	5	10	11
2021-08-11 04:00	1.11	1.61	3.32	3.79	4	9	10
2021-08-11 05:00	1.4	1.97	4.07	4.83	5	11	13
2021-08-11 06:00	1.51	2.08	4.27	4.75	6	11	13
2021-08-11 07:00	1.46	2.04	4.21	4.93	5	11	13
2021-08-11 08:00	1.38	1.97	4.37	5.35	5	12	14
2021-08-11 09:00	1.18	1.72	4.01	4.97	5	11	13
2021-08-11 10:00	1.03	1.46	3.36	5.08	4	9	13
2021-08-11 11:00	1.07	1.46	3.29	4.68	4	9	12
2021-08-11 12:00	0.95	1.31	2.92	5.03	3	8	13
2021-08-11 13:00	0.75	1.08	2.82	4.73	3	7	13
2021-08-11 14:00	0.36	0.67	2.51	4.14	2	7	11
2021-08-11 15:00	0.28	0.57	2.41	4.52	2	6	12
2021-08-11 16:00	0.34	0.64	2.49	4.36	2	7	12
2021-08-11 17:00	0.41	0.77	3.36	7.47	2	9	20
2021-08-11 18:00	0.46	0.79	3.13	6.59	2	8	17
2021-08-11 19:00	0.59	0.93	3.11	5.84	2	8	15
2021-08-11 20:00	0.49	0.9	3.32	4.66	2	9	12
2021-08-11 21:00	0.48	1.01	3.47	4.91	3	9	13
2021-08-11 22:00	0.49	1.01	3.54	4.21	3	9	11
2021-08-11 23:00	0.54	1.04	3.29	4.01	3	9	11
2021-08-12 00:00	0.57	0.95	2.62	3.29	3	7	9
2021-08-12 01:00	0.52	1.24	5.9	6.71	3	16	18
2021-08-12 02:00	0.72	1.32	4.34	5.39	3	11	14
2021-08-12 03:00	0.87	1.31	3.43	4.25	3	9	11
2021-08-12 04:00	0.98	1.38	3.29	4.11	4	9	11
2021-08-12 05:00	0.89	1.31	3.32	4.32	3	9	11

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-12 06:00	0.63	1.01	2.98	4.62	3	8	12
2021-08-12 07:00	0.4	0.72	2.47	4.1	2	7	11
2021-08-12 08:00	0.28	0.56	2.08	3.56	1	6	9
2021-08-12 09:00	0.22	0.52	1.89	3.42	1	5	9
2021-08-12 10:00	0.19	0.47	1.67	3.01	1	4	8
2021-08-12 11:00	0.14	0.35	1.2	1.97	1	3	5
2021-08-12 12:00	0.18	0.34	1.84	2.61	1	5	7
2021-08-12 13:00	0.17	0.31	1.76	2.38	1	5	6
2021-08-12 14:00	0.21	0.33	1.21	2.27	1	3	6
2021-08-12 15:00	0.43	0.65	1.58	2.05	2	4	5
2021-08-12 16:00	0.42	0.73	1.58	2.12	2	4	6
2021-08-12 17:00	0.57	0.86	1.64	2.07	2	4	5
2021-08-12 18:00	1.36	1.73	2.89	3.84	5	8	10
2021-08-12 19:00	1.71	2.17	3.61	4.96	6	10	13
2021-08-12 20:00	1.55	2.05	3.67	4.28	5	10	11
2021-08-12 21:00	1.65	2.2	3.92	4.46	6	10	12
2021-08-12 22:00	1.88	2.43	4.19	5.27	6	11	14
2021-08-12 23:00	1.93	2.45	4.16	5.38	6	11	14
2021-08-13 00:00	2.07	2.61	4.68	5.15	7	12	14
2021-08-13 01:00	1.87	2.42	4.59	5.26	6	12	14
2021-08-13 02:00	2.08	2.69	5.07	5.79	7	13	15
2021-08-13 03:00	2.19	2.69	4.58	5.3	7	12	14
2021-08-13 04:00	2.18	2.7	4.76	5.71	7	13	15
2021-08-13 05:00	1.94	2.47	4.71	5.3	7	12	14
2021-08-13 06:00	1.74	2.23	4.31	4.88	6	11	13
2021-08-13 07:00	1.53	1.99	4.03	4.83	5	11	13
2021-08-13 08:00	1.29	1.69	3.41	4.13	4	9	11
2021-08-13 09:00	0.96	1.29	2.73	3.55	3	7	9
2021-08-13 10:00	1.02	1.32	2.71	3.84	3	7	10
2021-08-13 11:00	1.3	1.59	2.92	4.71	4	8	12
2021-08-13 12:00	1.49	1.76	3	4.2	5	8	11
2021-08-13 13:00	2.61	2.92	4.19	6.09	8	11	16
2021-08-13 14:00	4.08	4.47	5.78	7.7	12	15	20
2021-08-13 15:00	3.56	3.94	5.12	6.38	10	14	17
2021-08-13 16:00	3.4	3.74	4.83	6.17	10	13	16
2021-08-13 17:00	3.45	3.82	4.95	6.15	10	13	16
2021-08-13 18:00	3.06	3.4	4.56	5.52	9	12	15
2021-08-13 19:00	2.96	3.41	5.16	5.81	9	14	15
2021-08-13 20:00	2.95	3.8	9.11	9.85	10	24	26
2021-08-13 21:00	2.96	3.94	9.84	10.32	10	26	27
2021-08-13 22:00	2.92	4.12	11.22	11.82	11	30	31
2021-08-13 23:00	2.85	4.17	11.4	12.37	11	30	33
2021-08-14 00:00	2.69	3.95	11.21	11.62	10	30	31
2021-08-14 01:00	2.44	3.61	11.33	12.14	10	30	32
2021-08-14 02:00	2.54	3.61	9.82	10.66	10	26	28
2021-08-14 03:00	2.68	3.75	10.74	11.63	10	28	31
2021-08-14 04:00	2.66	3.64	9.73	10.81	10	26	29
2021-08-14 05:00	2.6	3.62	9.86	10.62	10	26	28
2021-08-14 06:00	2.61	3.76	10.06	10.64	10	27	28
2021-08-14 07:00	3.31	4.1	7.1	9.21	11	19	24
2021-08-14 08:00	3.64	4.35	6.98	9.39	12	18	25

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-14 09:00	2.82	3.39	5.93	9.38	9	16	25
2021-08-14 10:00	2.46	3.07	6.59	12.51	8	17	33
2021-08-14 11:00	2.35	3.05	6.98	13.66	8	18	36
2021-08-14 12:00	2.24	2.97	6.97	13.39	8	18	35
2021-08-14 13:00	2.1	2.87	7.35	13.22	8	19	35
2021-08-14 14:00	2.03	2.84	7.31	14.47	8	19	38
2021-08-14 15:00	1.98	2.81	7.17	13.47	7	19	36
2021-08-14 16:00	1.92	2.73	6.82	11.82	7	18	31
2021-08-14 17:00	1.9	2.77	6.9	11.49	7	18	30
2021-08-14 18:00	1.91	2.89	7.39	11.92	8	20	32
2021-08-14 19:00	1.92	2.95	7.61	12.02	8	20	32
2021-08-14 20:00	1.88	2.91	7.78	11.07	8	21	29
2021-08-14 21:00	1.9	2.98	7.9	11.26	8	21	30
2021-08-14 22:00	2.02	3.11	7.85	11.47	8	21	30
2021-08-14 23:00	2.1	3.15	7.97	12.23	8	21	32
2021-08-15 00:00	2.22	3.3	8.13	12.37	9	22	33
2021-08-15 01:00	2.31	3.48	8.7	13.07	9	23	35
2021-08-15 02:00	2.26	3.6	9.43	14.13	10	25	37
2021-08-15 03:00	2.5	3.95	10.94	17.67	10	29	47
2021-08-15 04:00	2.47	4.06	11.03	18.11	11	29	48
2021-08-15 05:00	2.43	3.81	10.36	17.5	10	27	46
2021-08-15 06:00	2.33	3.77	10.75	17.95	10	28	48
2021-08-15 07:00	2.48	3.87	10.5	18	10	28	48
2021-08-15 08:00	2.39	3.71	9.79	17.71	10	26	47
2021-08-15 09:00	2.51	3.83	10.72	20.87	10	28	55
2021-08-15 10:00	2.46	3.74	9.83	17.16	10	26	45
2021-08-15 11:00	2.27	3.52	9.18	14.99	9	24	40
2021-08-15 12:00	2.1	3.32	8.56	13.72	9	23	36
2021-08-15 13:00	2.34	3.74	9.56	14.52	10	25	38
2021-08-15 14:00	2.33	3.8	9.82	15.49	10	26	41
2021-08-15 15:00	2.19	3.61	8.8	13.89	10	23	37
2021-08-15 16:00	2.27	3.78	8.98	12.95	10	24	34
2021-08-15 17:00	2.16	3.6	8.66	11.96	10	23	32
2021-08-15 18:00	2.17	3.7	9.21	13.14	10	24	35
2021-08-15 19:00	2.32	3.77	8.9	12.11	10	24	32
2021-08-15 20:00	2.43	4.43	12.21	17.1	12	32	45
2021-08-15 21:00	2.48	4.8	13.02	17.13	13	34	45
2021-08-15 22:00	2.57	4.81	12.21	14.57	13	32	39
2021-08-15 23:00	2.64	5.07	13.37	15.23	13	35	40
2021-08-16 00:00	2.74	5.26	14.32	16.15	14	38	43
2021-08-16 01:00	2.85	5.29	15.03	17.72	14	40	47
2021-08-16 02:00	3.15	4.83	11.01	15.37	13	29	41
2021-08-16 03:00	3.02	4.86	11.29	14.07	13	30	37
2021-08-16 04:00	2.86	4.83	12.06	13.64	13	32	36
2021-08-16 05:00	2.79	4.78	11.37	13.56	13	30	36
2021-08-16 06:00	2.88	4.29	9.28	12.64	11	25	33
2021-08-16 07:00	2.81	4.11	8.92	12.08	11	24	32
2021-08-16 08:00	2.65	4.08	9.49	14.14	11	25	37
2021-08-16 09:00	2.63	4.12	9.87	14.14	11	26	37
2021-08-16 10:00	2.89	4.37	9.68	14.19	12	26	38
2021-08-16 11:00	3.1	4.56	9.6	14.15	12	25	37

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-16 12:00	3.04	4.49	9.37	12.96	12	25	34
2021-08-16 13:00	2.94	4.35	9.08	13.1	12	24	35
2021-08-16 14:00	2.77	3.99	7.9	12.06	11	21	32
2021-08-16 15:00	2.63	3.7	7.03	10.2	10	19	27
2021-08-16 16:00	2.49	3.46	6.59	9.75	9	17	26
2021-08-16 17:00	2.31	3.22	6.18	8.77	9	16	23
2021-08-16 18:00	2.47	3.44	6.59	9.99	9	17	26
2021-08-16 19:00	2.74	3.75	7.11	10.32	10	19	27
2021-08-16 20:00	2.91	4.04	7.68	11.75	11	20	31
2021-08-16 21:00	2.69	3.83	7.67	11.46	10	20	30
2021-08-16 22:00	2.36	3.51	7.51	11.34	9	20	30
2021-08-16 23:00	2.35	3.5	7.54	11.37	9	20	30
2021-08-17 00:00	2.49	3.68	7.7	11.08	10	20	29
2021-08-17 01:00	2.66	3.89	8.13	12.75	10	22	34
2021-08-17 02:00	2.82	4.08	8.31	12	11	22	32
2021-08-17 03:00	2.88	4.22	8.63	12.12	11	23	32
2021-08-17 04:00	2.97	4.37	8.95	13.37	12	24	35
2021-08-17 05:00	3.06	4.55	9.21	12.8	12	24	34
2021-08-17 06:00	3.12	4.68	9.6	12.61	12	25	33
2021-08-17 07:00	3.17	4.8	9.69	13.76	13	26	36
2021-08-17 08:00	3.28	5.01	10.18	14.16	13	27	38
2021-08-17 09:00	3.72	5.56	11.13	15.01	15	29	40
2021-08-17 10:00	5.58	7.63	13.96	19.53	20	37	52
2021-08-17 11:00	7.93	10.09	16.41	21.16	27	43	56
2021-08-17 12:00	10.66	12.97	19.7	25.25	34	52	67
2021-08-17 13:00	12.83	15.25	22.45	30.14	40	59	80
2021-08-17 14:00	13.44	15.89	23.07	29.48	42	61	78
2021-08-17 15:00	15.07	17.56	24.77	31.22	47	66	83
2021-08-17 16:00	16.7	19.31	26.63	32.39	51	71	86
2021-08-17 17:00	16.86	19.51	26.82	32.35	52	71	86
2021-08-17 18:00	17.31	20.25	28.6	33.4	54	76	88
2021-08-17 19:00	16.94	19.95	28.1	30.19	53	74	80
2021-08-17 20:00	17.74	20.23	28.79	31.04	54	76	82
2021-08-17 21:00	17.3	19.38	27.25	28.54	51	72	76
2021-08-17 22:00	17.23	19.29	27.73	29.22	51	73	77
2021-08-17 23:00	17.02	19.16	27.96	29.21	51	74	77
2021-08-18 00:00	17.41	19.64	28.32	29.33	52	75	78
2021-08-18 01:00	17.44	19.61	26.7	27.61	52	71	73
2021-08-18 02:00	17.66	19.73	26.19	27.52	52	69	73
2021-08-18 03:00	18.15	19.99	26.27	27.47	53	70	73
2021-08-18 04:00	18.2	19.9	24.84	26.33	53	66	70
2021-08-18 05:00	16.61	18.31	25.09	26.34	49	66	70
2021-08-18 06:00	17.4	18.6	20.66	21.63	49	55	57
2021-08-18 07:00	17.48	18.68	20.63	22.21	49	55	59
2021-08-18 08:00	16.45	17.69	20.28	23.09	47	54	61
2021-08-18 09:00	14.81	16.15	19.28	22.22	43	51	59
2021-08-18 10:00	14.17	15.55	20.94	33.16	41	55	88
2021-08-18 11:00	13.39	14.5	18.2	26.23	38	48	69
2021-08-18 12:00	12.08	13.07	15.37	17.78	35	41	47
2021-08-18 13:00	11.05	12.24	15.35	18.59	32	41	49
2021-08-18 14:00	9.47	10.76	14.82	20.28	29	39	54

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-18 15:00	9.31	10.62	15.06	21.3	28	40	56
2021-08-18 16:00	7.69	9.06	13.31	17.54	24	35	46
2021-08-18 17:00	7.18	8.68	13.2	15.91	23	35	42
2021-08-18 18:00	8.91	10.26	14.18	18.22	27	38	48
2021-08-18 19:00	12.78	13.94	16.28	17.89	37	43	47
2021-08-18 20:00	13.49	14.72	17.14	18.11	39	45	48
2021-08-18 21:00	14.9	16.11	18.34	19.34	43	49	51
2021-08-18 22:00	14.06	15.37	17.73	18.78	41	47	50
2021-08-18 23:00	14.22	15.55	17.94	18.85	41	48	50
2021-08-19 00:00	12.79	14.13	16.49	17.5	37	44	46
2021-08-19 01:00	11.11	12.48	15.15	17.36	33	40	46
2021-08-19 02:00	10.71	12.09	14.41	15.56	32	38	41
2021-08-19 03:00	10.66	12.08	14.57	15.29	32	39	41
2021-08-19 04:00	11.16	12.56	15.03	16.14	33	40	43
2021-08-19 05:00	10.1	11.3	13.51	14.46	30	36	38
2021-08-19 06:00	9.91	11.08	13.27	13.63	29	35	36
2021-08-19 07:00	10.36	11.65	14.32	15.15	31	38	40
2021-08-20 15:00	4.98	6.09	10.33	14	16	27	37
2021-08-20 16:00	4.91	6.01	9.52	12.44	16	25	33
2021-08-20 17:00	4.89	5.94	8.95	10.9	16	24	29
2021-08-20 18:00	5.71	6.72	9.52	11.2	18	25	30
2021-08-20 19:00	1.77	2.38	4.48	7.12	6	12	19
2021-08-20 20:00	2.48	3.3	5.77	6.38	9	15	17
2021-08-20 21:00	3.04	4.09	8.28	8.87	11	22	23
2021-08-20 22:00	2.62	3.33	5.58	6.53	9	15	17
2021-08-20 23:00	2.87	3.93	7.69	8.13	10	20	22
2021-08-21 00:00	21.95	23.86	27.12	29.66	63	72	79
2021-08-21 01:00	64.03	69.37	74.03	76.44	184	196	203
2021-08-21 02:00	87.84	95.92	99.72	101.82	254	264	270
2021-08-21 03:00	105.22	116.92	121.02	122.83	310	321	325
2021-08-21 04:00	93.24	103.88	108.1	110.45	275	286	293
2021-08-21 05:00	79.14	87.85	91.38	92	233	242	244
2021-08-21 06:00	41.98	45.9	48.23	48.81	122	128	129
2021-08-21 07:00	4.9	5.5	7.39	7.85	15	20	21
2021-08-21 08:00	2.82	3.27	5.09	6.72	9	13	18
2021-08-21 09:00	0.26	0.48	1.84	4.67	1	5	12
2021-08-21 10:00	0.16	0.34	1.32	2.85	1	3	8
2021-08-21 11:00	0.24	0.41	1.23	3.1	1	3	8
2021-08-21 12:00	0.26	0.44	1.18	1.9	1	3	5
2021-08-21 13:00	0.22	0.42	1.01	1.3	1	3	3
2021-08-21 14:00	0.27	0.42	0.77	1.06	1	2	3
2021-08-21 15:00	0.17	0.31	0.89	1.75	1	2	5
2021-08-21 16:00	0.19	0.34	1.14	2.71	1	3	7
2021-08-21 17:00	0.12	0.25	0.91	2.64	1	2	7
2021-08-21 18:00	0.12	0.27	1.09	3.37	1	3	9
2021-08-21 19:00	0.98	1.18	2.02	3.22	3	5	9
2021-08-21 20:00	3.27	3.52	4.41	5.56	9	12	15
2021-08-21 21:00	3.26	3.52	4.56	4.9	9	12	13
2021-08-21 22:00	3.7	4.02	5.21	5.45	11	14	14
2021-08-21 23:00	4.09	4.52	5.99	6.37	12	16	17
2021-08-22 00:00	3.56	4.02	5.47	5.61	11	14	15

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-22 01:00	2.79	3.23	4.57	4.72	9	12	13
2021-08-22 02:00	2.73	3.22	4.76	4.95	9	13	13
2021-08-22 03:00	2.12	2.61	4.26	4.55	7	11	12
2021-08-22 04:00	1.76	2.26	4.14	4.47	6	11	12
2021-08-22 05:00	1.82	2.33	4.02	4.43	6	11	12
2021-08-22 06:00	1.96	2.57	4.71	5.45	7	12	14
2021-08-22 07:00	2.45	3.04	4.52	4.84	8	12	13
2021-08-22 08:00	2.93	3.57	4.8	5.55	9	13	15
2021-08-22 09:00	3.42	4.05	5.31	6.72	11	14	18
2021-08-22 10:00	5.42	6.01	7.04	8.14	16	19	22
2021-08-22 11:00	4.85	5.32	6.28	7.19	14	17	19
2021-08-22 12:00	3.28	3.66	4.57	5.15	10	12	14
2021-08-22 13:00	2.62	2.96	4.02	4.98	8	11	13
2021-08-22 14:00	2.42	2.73	3.9	4.96	7	10	13
2021-08-22 15:00	3.02	3.35	4.39	6	9	12	16
2021-08-22 16:00	3.46	3.82	4.89	6.35	10	13	17
2021-08-22 17:00	3.57	3.93	5.12	6.86	10	14	18
2021-08-22 18:00	3.89	4.27	5.41	6.45	11	14	17
2021-08-22 19:00	3.93	4.34	5.64	6.98	11	15	18
2021-08-22 20:00	3.71	4.15	5.4	6.22	11	14	16
2021-08-22 21:00	3.49	3.95	5.36	6.22	10	14	16
2021-08-22 22:00	3.37	3.81	5.13	6.21	10	14	16
2021-08-22 23:00	3.72	4.21	5.55	6.65	11	15	18
2021-08-23 00:00	15.9	17.69	19.52	21.4	47	52	57
2021-08-23 01:00	19.89	22.26	24.51	25.95	59	65	69
2021-08-23 02:00	19.73	22.22	24.31	25.11	59	64	67
2021-08-23 03:00	28.86	32.63	34.89	35.69	86	92	95
2021-08-23 04:00	39.7	45.06	47.11	47.51	119	125	126
2021-08-23 05:00	40.28	45.79	47.79	48.18	121	127	128
2021-08-23 06:00	48.32	55.3	57.98	58.46	147	154	155
2021-08-23 07:00	50.51	58.12	61.25	62.07	154	162	164
2021-08-23 08:00	45.56	52.57	55.85	56.66	139	148	150
2021-08-23 09:00	42.52	49.43	52.91	53.46	131	140	142
2021-08-23 10:00	25.59	29.39	31.58	31.79	78	84	84
2021-08-23 11:00	3.53	4.21	5.77	6.47	11	15	17
2021-08-23 12:00	0.74	1.09	2.38	2.88	3	6	8
2021-08-23 13:00	0.89	1.3	3.04	3.33	3	8	9
2021-08-23 14:00	0.59	0.93	2.23	2.59	2	6	7
2021-08-23 15:00	0.63	0.96	2.28	2.54	3	6	7
2021-08-23 16:00	0.63	0.96	2.07	2.16	3	5	6
2021-08-23 17:00	0.62	1.16	5.25	6.52	3	14	17
2021-08-23 18:00	0.75	1.19	4.66	6.36	3	12	17
2021-08-23 19:00	8.12	9.18	12.92	13.74	24	34	36
2021-08-23 20:00	7.85	8.87	12.32	12.94	23	33	34
2021-08-23 21:00	2.96	3.62	7.05	7.7	10	19	20
2021-08-23 22:00	1.75	2.36	5.96	6.22	6	16	16
2021-08-23 23:00	0.85	1.57	6.42	6.83	4	17	18
2021-08-24 00:00	0.42	1.07	5.37	5.78	3	14	15
2021-08-24 01:00	0.26	0.82	4.75	4.99	2	13	13
2021-08-24 02:00	0.19	0.61	3.86	4.24	2	10	11
2021-08-24 03:00	0.49	0.98	4.61	4.99	3	12	13

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-24 04:00	0.67	1.19	4.97	5.23	3	13	14
2021-08-24 05:00	0.86	1.36	4.57	5.05	4	12	13
2021-08-24 06:00	0.68	1.11	3.78	4.33	3	10	11
2021-08-24 07:00	0.45	0.77	2.75	3.17	2	7	8
2021-08-24 08:00	0.68	1	2.72	3.92	3	7	10
2021-08-24 09:00	1.02	1.32	2.94	4.11	3	8	11
2021-08-24 10:00	1.35	1.64	3.08	4.54	4	8	12
2021-08-24 11:00	1.59	2	3.69	4.6	5	10	12
2021-08-24 12:00	1.61	1.87	2.99	3.7	5	8	10
2021-08-24 13:00	1.44	1.72	2.77	3.55	5	7	9
2021-08-24 14:00	1.23	1.5	2.48	2.9	4	7	8
2021-08-24 15:00	0.93	1.17	2.35	2.73	3	6	7
2021-08-24 16:00	0.75	0.98	2.16	2.83	3	6	7
2021-08-24 17:00	0.64	0.88	2.12	2.74	2	6	7
2021-08-24 18:00	0.94	1.28	3.2	3.77	3	8	10
2021-08-24 19:00	1.06	1.47	3.66	4.19	4	10	11
2021-08-24 20:00	0.99	1.41	3.66	3.85	4	10	10
2021-08-24 21:00	0.69	1.06	3.18	3.39	3	8	9
2021-08-24 22:00	0.77	1.36	4.67	5.39	4	12	14
2021-08-24 23:00	1.12	2.08	8.07	10.31	6	21	27
2021-08-25 00:00	0.95	1.63	4.51	5.61	4	12	15
2021-08-25 01:00	0.8	1.47	4.33	7.34	4	11	19
2021-08-25 02:00	0.63	1.13	2.96	3.87	3	8	10
2021-08-25 03:00	0.41	0.79	2.48	3.15	2	7	8
2021-08-25 04:00	0.27	0.71	2.99	3.44	2	8	9
2021-08-25 05:00	0.35	0.84	3.69	4.45	2	10	12
2021-08-25 06:00	0.52	0.83	2.62	3.14	2	7	8
2021-08-25 07:00	0.34	0.63	2.24	2.57	2	6	7
2021-08-25 08:00	0.17	0.38	1.62	2.05	1	4	5
2021-08-25 09:00	0.44	0.75	2.08	2.84	2	6	8
2021-08-25 10:00	0.57	0.88	2.39	3.26	2	6	9
2021-08-25 11:00	0.28	0.52	1.71	2.33	1	5	6
2021-08-25 12:00	0.2	0.41	1.89	3.09	1	5	8
2021-08-25 13:00	0.12	0.32	1.67	2.63	1	4	7
2021-08-25 14:00	0.1	0.25	1.28	2.01	1	3	5
2021-08-25 15:00	0.13	0.3	1.32	2.21	1	3	6
2021-08-25 16:00	0.12	0.3	1.23	1.66	1	3	4
2021-08-25 17:00	0.12	0.33	1.41	1.94	1	4	5
2021-08-25 18:00	0.13	0.38	1.89	2.32	1	5	6
2021-08-25 19:00	0.14	0.44	1.87	2.4	1	5	6
2021-08-25 20:00	0.19	0.55	1.98	2.37	1	5	6
2021-08-25 21:00	0.18	0.59	2.38	2.81	2	6	7
2021-08-25 22:00	0.16	0.53	2.31	2.5	1	6	7
2021-08-25 23:00	0.15	0.46	2.22	2.42	1	6	6
2021-08-26 00:00	0.19	0.44	2.22	2.41	1	6	6
2021-08-26 01:00	0.18	0.41	2.12	2.41	1	6	6
2021-08-26 02:00	0.16	0.34	1.83	2.31	1	5	6
2021-08-26 03:00	0.22	0.41	1.91	2.15	1	5	6
2021-08-26 04:00	0.23	0.52	2.81	3.29	1	7	9
2021-08-26 05:00	0.28	0.52	2.38	2.76	1	6	7
2021-08-26 06:00	0.52	0.83	2.88	3.12	2	8	8

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-26 07:00	0.76	1.06	2.46	2.62	3	7	7
2021-08-26 08:00	1.1	1.51	3.09	3.66	4	8	10
2021-08-26 09:00	0.91	1.25	2.58	3.35	3	7	9
2021-08-26 10:00	0.45	0.65	1.35	1.64	2	4	4
2021-08-26 11:00	0.34	0.51	1.05	1.57	1	3	4
2021-08-26 12:00	0.31	0.51	1.13	1.37	1	3	4
2021-08-26 13:00	0.31	0.46	0.97	1.35	1	3	4
2021-08-26 14:00	0.58	0.73	1.37	1.95	2	4	5
2021-08-26 15:00	0.55	0.68	1.16	1.45	2	3	4
2021-08-26 16:00	0.67	0.81	1.37	1.42	2	4	4
2021-08-26 17:00	0.7	0.85	1.42	1.71	2	4	5
2021-08-26 18:00	0.71	0.88	1.5	1.59	2	4	4
2021-08-26 19:00	0.66	0.85	1.62	1.67	2	4	4
2021-08-26 20:00	0.71	0.91	1.76	2	2	5	5
2021-08-26 21:00	0.64	0.86	1.78	1.92	2	5	5
2021-08-26 22:00	0.61	0.84	1.85	1.94	2	5	5
2021-08-26 23:00	0.48	0.72	1.77	1.82	2	5	5
2021-08-27 00:00	0.51	0.77	2	2.33	2	5	6
2021-08-27 01:00	0.61	0.88	2	2.29	2	5	6
2021-08-27 02:00	0.67	0.97	2.37	2.6	3	6	7
2021-08-27 03:00	0.78	1.12	2.62	2.91	3	7	8
2021-08-27 04:00	1	1.35	3.06	3.11	4	8	8
2021-08-27 05:00	0.94	1.26	2.66	3.09	3	7	8
2021-08-27 06:00	0.94	1.24	2.5	2.65	3	7	7
2021-08-27 07:00	1.24	1.55	2.66	2.85	4	7	8
2021-08-27 08:00	1.52	1.87	3.06	3.73	5	8	10
2021-08-27 09:00	1.84	2.19	3.26	3.79	6	9	10
2021-08-27 10:00	1.72	2.02	3.01	3.54	5	8	9
2021-08-27 11:00	1.57	1.83	2.69	2.98	5	7	8
2021-08-27 12:00	1.79	2.06	2.95	3.57	5	8	9
2021-08-27 13:00	2.1	2.41	3.41	3.79	6	9	10
2021-08-27 14:00	2.17	2.49	3.5	4.46	7	9	12
2021-08-27 15:00	2.15	2.47	3.52	4.34	7	9	11
2021-08-27 16:00	2.02	2.32	3.35	4.16	6	9	11
2021-08-27 17:00	1.92	2.22	3.39	4.17	6	9	11
2021-08-27 18:00	1.8	2.13	3.46	4.37	6	9	12
2021-08-27 19:00	1.8	2.16	3.65	4.32	6	10	11
2021-08-27 20:00	1.8	2.22	3.89	5.09	6	10	13
2021-08-27 21:00	2.11	2.53	4.01	4.92	7	11	13
2021-08-27 22:00	2.29	2.73	4.29	5.4	7	11	14
2021-08-27 23:00	2.5	3.03	4.6	5.03	8	12	13
2021-08-28 00:00	2.56	3.1	5.11	5.54	8	14	15
2021-08-28 01:00	3.02	3.56	5.21	5.73	9	14	15
2021-08-28 02:00	3.05	3.61	5.06	5.16	10	13	14
2021-08-28 03:00	2.19	2.55	3.41	3.41	7	9	9
2021-08-28 04:00	1.19	1.39	2.11	2.49	4	6	7
2021-08-28 05:00	0.85	1.06	2.09	2.7	3	6	7
2021-08-28 06:00	0.68	0.91	2.04	2.38	2	5	6
2021-08-28 07:00	0.77	1.07	2.59	2.88	3	7	8
2021-08-28 08:00	0.97	1.29	2.78	2.89	3	7	8
2021-08-28 09:00	1.24	1.57	3.14	3.33	4	8	9

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-28 10:00	1.72	2.1	3.7	3.94	6	10	10
2021-08-28 11:00	2.13	2.54	4.13	4.37	7	11	12
2021-08-28 12:00	1.94	2.26	3.59	3.69	6	10	10
2021-08-28 13:00	1.78	2.07	3.53	3.77	5	9	10
2021-08-28 14:00	2.1	2.46	4.21	4.6	7	11	12
2021-08-28 15:00	3.04	3.56	5.56	5.99	9	15	16
2021-08-28 16:00	3.41	3.92	5.96	6.3	10	16	17
2021-08-28 17:00	3.73	4.28	6.55	6.79	11	17	18
2021-08-28 18:00	4.57	5.28	8.15	8.73	14	22	23
2021-08-28 19:00	4.04	4.82	7.98	8.17	13	21	22
2021-08-28 20:00	3.35	4.44	9.34	9.57	12	25	25
2021-08-28 21:00	2.89	4.05	9.37	9.61	11	25	25
2021-08-28 22:00	3.36	5.47	16.1	16.29	14	43	43
2021-08-28 23:00	3.59	7.05	25.57	26.39	19	68	70
2021-08-29 00:00	3.61	6.65	22.99	23.52	18	61	62
2021-08-29 01:00	5.58	7.62	17.42	17.9	20	46	47
2021-08-29 02:00	6.72	8.81	18.16	18.68	23	48	49
2021-08-29 03:00	5.99	8.44	21.7	32.62	22	57	86
2021-08-29 04:00	4.05	5.23	12.65	26.98	14	34	71
2021-08-29 05:00	3.62	4.79	12.04	14.58	13	32	39
2021-08-29 06:00	4.77	5.27	8.59	17.15	14	23	45
2021-08-29 07:00	4.41	4.84	7.26	7.93	13	19	21
2021-08-29 08:00	6.2	6.71	8.98	9.28	18	24	25
2021-08-29 09:00	6.31	6.79	8.8	9.57	18	23	25
2021-08-29 10:00	4.41	4.74	6.16	7.21	13	16	19
2021-08-29 11:00	3.19	3.47	4.96	6.25	9	13	17
2021-08-29 12:00	3.39	3.66	5.33	7.79	10	14	21
2021-08-29 13:00	6.74	7.23	9.59	12.36	19	25	33
2021-08-29 14:00	8.62	9.2	11.59	13.31	24	31	35
2021-08-29 15:00	9.12	9.77	12.05	13.58	26	32	36
2021-08-29 16:00	8.55	9.28	11.78	12.83	25	31	34
2021-08-29 17:00	7.72	8.96	13.01	13.92	24	34	37
2021-08-29 18:00	7.84	8.72	11.67	12.01	23	31	32
2021-08-29 19:00	7.39	8.69	13.49	14.25	23	36	38
2021-08-29 20:00	6.08	7.84	14.44	14.78	21	38	39
2021-08-29 21:00	5.62	7.93	17.93	18.65	21	48	49
2021-08-29 22:00	4.83	6.76	13.41	13.74	18	36	36
2021-08-29 23:00	4.44	5.7	10.45	10.98	15	28	29
2021-08-30 00:00	5.45	6.61	11.12	11.89	18	29	32
2021-08-30 01:00	6.12	7.26	11.9	12.33	19	32	33
2021-08-30 02:00	7.23	8.34	12.93	13.94	22	34	37
2021-08-30 03:00	8.43	9.68	14.86	15.63	26	39	41
2021-08-30 04:00	8.7	9.84	14.2	15.01	26	38	40
2021-08-30 05:00	10.39	11.59	15.79	16.7	31	42	44
2021-08-30 06:00	11.02	12.28	16.44	16.78	33	44	44
2021-08-30 07:00	10.56	11.72	15.01	15.88	31	40	42
2021-08-30 08:00	9.61	10.6	13.39	14.4	28	35	38
2021-08-30 09:00	9.1	9.94	12.28	13.53	26	33	36
2021-08-30 10:00	7.2	7.82	9.88	11.46	21	26	30
2021-08-30 11:00	6.09	6.58	8.32	10.47	17	22	28
2021-08-30 12:00	7.83	8.36	9.86	11.29	22	26	30

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-08-30 13:00	9.82	10.43	12.17	15.13	28	32	40
2021-08-30 14:00	10.59	11.23	12.68	14.13	30	34	37
2021-08-30 15:00	7.75	8.25	9.82	11.3	22	26	30
2021-08-30 16:00	6.11	6.58	8.19	9.87	17	22	26
2021-08-30 17:00	5.69	6.3	8.45	9.61	17	22	25
2021-08-30 18:00	5.42	6.36	10.56	11.28	17	28	30
2021-08-30 19:00	5.7	7.02	14	14.48	19	37	38
2021-08-30 20:00	5.87	7.5	15.45	16.12	20	41	43
2021-08-30 21:00	10.05	12.07	20.88	21.59	32	55	57
2021-08-30 22:00	8.59	10.76	20.73	21.45	29	55	57
2021-08-30 23:00	8.26	10.34	19.91	20.29	27	53	54
2021-08-31 00:00	7.43	9.77	21.68	22.41	26	57	59
2021-08-31 01:00	9.63	12	22.81	23.48	32	60	62
2021-08-31 02:00	8.19	10.56	22.04	22.99	28	58	61
2021-08-31 03:00	9.16	11.38	21.63	22.69	30	57	60
2021-08-31 04:00	10.72	12.36	19.59	20.74	33	52	55
2021-08-31 05:00	8.92	10.42	17.1	18.15	28	45	48
2021-08-31 06:00	9.22	10.59	16.01	16.44	28	42	44
2021-08-31 07:00	7.66	8.54	11.28	11.62	23	30	31
2021-08-31 08:00	7.42	8.21	10.54	11.07	22	28	29
2021-08-31 09:00	7.41	8.15	10.15	10.62	22	27	28
2021-08-31 10:00	7.35	8	9.88	11.21	21	26	30
2021-08-31 11:00	7.42	7.98	9.32	10.14	21	25	27
2021-08-31 12:00	8.05	8.57	9.72	10.54	23	26	28
2021-08-31 13:00	7.76	8.3	9.95	10.53	22	26	28
2021-08-31 14:00	7.81	8.33	9.75	11.52	22	26	31
2021-08-31 15:00	7.37	7.89	10.17	15.06	21	27	40
2021-08-31 16:00	6.95	7.44	9.08	11.14	20	24	30
2021-08-31 17:00	6.98	7.67	10.64	15.84	20	28	42
2021-08-31 18:00	7	7.7	10.78	14.04	20	29	37
2021-08-31 19:00	5.91	7.14	14.19	19.23	19	38	51
2021-08-31 20:00	5.59	7.25	15.18	15.9	19	40	42
2021-08-31 21:00	7.25	8.4	13.46	14.18	22	36	38
2021-08-31 22:00	8.03	8.7	10.92	11.4	23	29	30
2021-08-31 23:00	7.75	8.4	10.57	11.05	22	28	29
2021-09-01 00:00	7.55	8.15	9.97	10.06	22	26	27
2021-09-01 01:00	6.53	7.38	10.52	11.29	20	28	30
2021-09-01 02:00	5.97	6.95	11.64	12.02	18	31	32
2021-09-01 03:00	5.54	6.23	8.45	8.93	17	22	24
2021-09-01 04:00	5.64	6.33	8.49	8.92	17	22	24
2021-09-01 05:00	6.66	7.39	9.6	10.03	20	25	27
2021-09-01 06:00	7.16	7.98	10.88	11.4	21	29	30
2021-09-01 07:00	5.89	6.58	8.62	9	17	23	24
2021-09-01 08:00	5.61	6.3	8.3	8.68	17	22	23
2021-09-01 09:00	5.84	6.51	8.48	9.01	17	22	24
2021-09-01 10:00	6.35	6.98	8.86	9.58	18	23	25
2021-09-01 11:00	6.53	7.08	8.77	9.97	19	23	26
2021-09-01 12:00	6.62	7.13	8.71	9.29	19	23	25
2021-09-01 13:00	6.97	7.49	8.97	9.73	20	24	26
2021-09-01 14:00	6.92	7.41	8.77	9.54	20	23	25
2021-09-01 15:00	6.53	7	8.26	8.69	19	22	23

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-01 16:00	6.41	6.87	8.04	8.67	18	21	23
2021-09-01 17:00	6.19	6.65	7.93	8.84	18	21	23
2021-09-01 18:00	5.99	6.5	8.06	8.78	17	21	23
2021-09-01 19:00	6.17	6.79	8.99	10.57	18	24	28
2021-09-01 20:00	5.73	6.37	8.57	9.15	17	23	24
2021-09-01 21:00	6.2	6.81	8.89	9.75	18	24	26
2021-09-01 22:00	6.53	7.12	9.04	9.71	19	24	26
2021-09-01 23:00	6.78	7.41	9.5	10.07	20	25	27
2021-09-02 00:00	6.88	7.54	9.74	10.17	20	26	27
2021-09-02 01:00	6.97	7.66	9.96	10.29	20	26	27
2021-09-02 02:00	6.92	7.66	10.04	10.53	20	27	28
2021-09-02 03:00	6.84	7.6	10.23	10.61	20	27	28
2021-09-02 04:00	6.68	7.45	10.11	10.5	20	27	28
2021-09-02 05:00	6.6	7.4	10.11	11.07	20	27	29
2021-09-02 06:00	6.53	7.33	10.05	10.72	19	27	28
2021-09-02 07:00	6.6	7.36	9.94	10.71	19	26	28
2021-09-02 08:00	6.63	7.32	9.55	10.65	19	25	28
2021-09-02 09:00	6.55	7.17	9.15	9.87	19	24	26
2021-09-02 10:00	6.52	7.08	8.84	9.64	19	23	26
2021-09-02 11:00	6.38	6.89	8.39	9.12	18	22	24
2021-09-02 12:00	6.13	6.62	8.09	9.05	18	21	24
2021-09-02 13:00	6.06	6.54	8.12	9.03	17	22	24
2021-09-02 14:00	6.45	6.95	8.49	9.58	18	22	25
2021-09-02 15:00	6.44	6.91	8.4	9.08	18	22	24
2021-09-02 16:00	6.11	6.55	7.99	8.67	17	21	23
2021-09-02 17:00	5.44	5.86	7.32	7.95	16	19	21
2021-09-02 18:00	4.78	5.2	6.84	7.61	14	18	20
2021-09-02 19:00	4.33	4.75	6.35	6.92	13	17	18
2021-09-02 20:00	4.2	4.85	7.37	8.84	13	20	23
2021-09-02 21:00	4.35	5.03	7.35	8.18	13	19	22
2021-09-02 22:00	4.36	4.97	7.56	8.8	13	20	23
2021-09-02 23:00	4.57	5.19	7.84	8.7	14	21	23
2021-09-03 00:00	5.44	6.11	8.62	9.39	16	23	25
2021-09-03 01:00	6.97	7.7	9.72	10.44	20	26	28
2021-09-03 02:00	7.43	8.01	9.5	9.6	21	25	25
2021-09-03 03:00	6.53	7.13	8.95	9.24	19	24	24
2021-09-03 04:00	4.14	4.61	6.07	6.16	12	16	16
2021-09-03 05:00	4.99	5.46	6.91	7.39	14	18	20
2021-09-03 06:00	5.38	5.9	7.56	7.7	16	20	20
2021-09-03 07:00	6.26	6.96	9.16	9.31	18	24	25
2021-09-03 08:00	6.07	6.85	9.42	9.9	18	25	26
2021-09-03 09:00	4.69	5.38	7.81	8.62	14	21	23
2021-09-03 10:00	3.7	4.29	6.35	6.59	11	17	17
2021-09-03 11:00	3.23	3.8	5.76	6.27	10	15	17
2021-09-03 12:00	2.87	3.45	5.56	6.01	9	15	16
2021-09-03 13:00	2.18	2.71	4.52	4.57	7	12	12
2021-09-03 14:00	1.46	1.87	3.53	3.77	5	9	10
2021-09-03 15:00	1.12	1.55	3.39	3.53	4	9	9
2021-09-03 16:00	1.36	1.81	4	5.06	5	11	13
2021-09-03 17:00	1.44	1.93	4.32	5.64	5	11	15
2021-09-03 18:00	1.41	1.95	4.47	6.34	5	12	17

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-03 19:00	1.41	1.95	4.59	5.52	5	12	15
2021-09-03 20:00	1.26	1.82	4.64	5.36	5	12	14
2021-09-03 21:00	1	1.58	4.42	5.23	4	12	14
2021-09-03 22:00	1.2	1.86	5.13	5.85	5	14	15
2021-09-03 23:00	1.53	2.3	5.94	7.14	6	16	19
2021-09-04 00:00	1.85	2.81	7.37	8.57	7	20	23
2021-09-04 01:00	1.96	3.35	10.09	10.93	9	27	29
2021-09-04 02:00	2.03	3.87	13.32	14.25	10	35	38
2021-09-04 03:00	2.12	4.22	15.93	16.93	11	42	45
2021-09-04 04:00	2.57	4.23	12.95	14.05	11	34	37
2021-09-04 05:00	3.2	4.44	10.4	11.77	12	28	31
2021-09-04 06:00	3.54	4.69	10.12	11.53	12	27	31
2021-09-04 07:00	3.51	4.66	9.92	11.69	12	26	31
2021-09-04 08:00	3.32	4.45	9.22	11.04	12	24	29
2021-09-04 09:00	3.23	4.12	7.9	9.22	11	21	24
2021-09-04 10:00	3.17	3.87	6.99	9.65	10	19	26
2021-09-04 11:00	3.64	4.35	7.64	10.99	12	20	29
2021-09-04 12:00	3.29	3.87	6.46	8.39	10	17	22
2021-09-04 13:00	3.34	3.83	6.12	8.35	10	16	22
2021-09-04 14:00	2.71	3.25	5.51	7.38	9	15	20
2021-09-04 15:00	1.29	1.59	3.04	4.11	4	8	11
2021-09-04 16:00	1.5	1.87	3.65	4.51	5	10	12
2021-09-04 17:00	1.22	1.54	3.25	3.85	4	9	10
2021-09-04 18:00	0.81	1.1	2.73	3.36	3	7	9
2021-09-04 19:00	0.77	1.11	3.06	4.45	3	8	12
2021-09-04 20:00	0.62	1.02	2.96	3.3	3	8	9
2021-09-04 21:00	0.72	1.22	3.92	4.26	3	10	11
2021-09-04 22:00	0.47	0.97	3.27	3.61	3	9	10
2021-09-04 23:00	0.25	0.74	3.03	3.37	2	8	9
2021-09-05 00:00	0.24	0.76	3.43	3.72	2	9	10
2021-09-05 01:00	0.3	0.79	3.31	3.7	2	9	10
2021-09-05 02:00	0.37	0.84	3.15	3.62	2	8	10
2021-09-05 03:00	0.43	0.9	3.03	3.22	2	8	9
2021-09-05 04:00	0.55	1.06	3.42	3.95	3	9	10
2021-09-05 05:00	0.52	1.04	3.17	3.41	3	8	9
2021-09-05 06:00	0.31	0.64	2.25	2.72	2	6	7
2021-09-05 07:00	0.2	0.4	1.57	2	1	4	5
2021-09-05 08:00	0.16	0.33	1.48	2	1	4	5
2021-09-05 09:00	0.18	0.36	1.52	1.86	1	4	5
2021-09-05 10:00	0.19	0.36	1.46	1.7	1	4	5
2021-09-05 11:00	0.14	0.3	1.23	1.7	1	3	5
2021-09-05 12:00	0.16	0.33	1.41	1.84	1	4	5
2021-09-05 13:00	0.15	0.31	1.53	2.68	1	4	7
2021-09-05 14:00	0.3	0.46	1.63	3.01	1	4	8
2021-09-05 15:00	0.41	0.62	2.02	6.05	2	5	16
2021-09-05 16:00	0.33	0.53	1.79	2.94	1	5	8
2021-09-05 17:00	0.33	0.53	1.91	2.34	1	5	6
2021-09-05 18:00	0.37	0.63	2.19	2.62	2	6	7
2021-09-05 19:00	0.41	0.72	2.57	2.71	2	7	7
2021-09-05 20:00	0.45	0.91	3.56	3.95	2	9	10
2021-09-05 21:00	0.5	0.94	3.53	4.01	2	9	11

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-05 22:00	0.56	1.02	3.59	3.88	3	10	10
2021-09-05 23:00	0.64	1.48	5.63	5.87	4	15	16
2021-09-06 00:00	0.66	1.55	5.92	6.5	4	16	17
2021-09-06 01:00	0.71	1.84	8.41	9.12	5	22	24
2021-09-06 02:00	0.73	1.86	8.59	9.27	5	23	25
2021-09-06 03:00	0.72	2.05	10.01	10.48	5	27	28
2021-09-06 04:00	0.74	1.89	9.87	10.5	5	26	28
2021-09-06 05:00	0.74	1.67	8.58	9.25	4	23	25
2021-09-06 06:00	0.72	2.16	10.47	10.95	6	28	29
2021-09-06 07:00	0.72	1.64	6.33	6.73	4	17	18
2021-09-06 08:00	1.09	1.59	3.92	4.3	4	10	11
2021-09-06 09:00	0.52	0.77	1.98	2.17	2	5	6
2021-09-06 10:00	0.54	0.72	1.8	1.94	2	5	5
2021-09-06 11:00	0.48	0.68	1.97	2.54	2	5	7
2021-09-06 12:00	0.51	0.71	2.12	2.64	2	6	7
2021-09-06 13:00	0.5	0.69	2.23	2.71	2	6	7
2021-09-06 14:00	0.54	0.74	2.4	2.83	2	6	7
2021-09-06 15:00	0.56	0.77	2.43	2.91	2	6	8
2021-09-06 16:00	0.5	0.73	2.48	2.95	2	7	8
2021-09-06 17:00	0.49	0.76	3.2	3.97	2	8	11
2021-09-06 18:00	0.49	0.81	3.58	4.4	2	9	12
2021-09-06 19:00	0.5	0.89	4.29	5.01	2	11	13
2021-09-06 20:00	0.51	0.91	4.05	5.15	2	11	14
2021-09-06 21:00	0.54	1	4.45	5.5	3	12	15
2021-09-06 22:00	0.63	1.17	5.3	6.64	3	14	18
2021-09-06 23:00	0.99	1.72	6.77	8.4	5	18	22
2021-09-07 00:00	1.74	2.89	7.19	8.58	8	19	23
2021-09-07 01:00	3.75	4.93	9.38	10.82	13	25	29
2021-09-07 02:00	1.17	1.87	5.8	7.58	5	15	20
2021-09-07 03:00	1.47	2.29	7.44	8.73	6	20	23
2021-09-07 04:00	1.07	1.72	5.1	6.06	5	14	16
2021-09-07 05:00	1.03	1.73	5.3	5.87	5	14	16
2021-09-07 06:00	0.87	1.5	5.46	6.13	4	14	16
2021-09-07 07:00	0.99	1.66	5.8	6.29	4	15	17
2021-09-07 08:00	1.08	1.68	4.98	5.6	4	13	15
2021-09-07 09:00	0.83	1.27	3.77	4.35	3	10	12
2021-09-07 10:00	0.88	1.32	3.73	4.88	3	10	13
2021-09-07 11:00	1.03	1.5	4.13	4.95	4	11	13
2021-09-07 12:00	1.12	1.62	4.67	5.63	4	12	15
2021-09-07 13:00	1.16	1.65	4.54	5.3	4	12	14
2021-09-07 14:00	1.39	1.9	4.53	5.67	5	12	15
2021-09-07 15:00	1.62	2.22	5.73	7.01	6	15	19
2021-09-07 16:00	1.71	2.49	7.21	10.65	7	19	28
2021-09-07 17:00	1.65	2.86	10.31	11.77	8	27	31
2021-09-07 18:00	1.86	3.17	10.9	12.36	8	29	33
2021-09-07 19:00	1.22	2.84	13.72	15.83	8	36	42
2021-09-07 20:00	1.18	3.93	22.53	24.07	10	60	64
2021-09-07 21:00	1.18	3.62	20.11	21.21	10	53	56
2021-09-07 22:00	1.37	3.05	13.53	14.4	8	36	38
2021-09-07 23:00	1.27	3.47	18.42	19.33	9	49	51
2021-09-08 00:00	1.29	3.99	23	24.33	11	61	64

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-08 01:00	1.28	4.34	24.92	26.07	11	66	69
2021-09-08 02:00	1.08	4.02	24.26	25.46	11	64	67
2021-09-08 03:00	1	2.22	10.32	10.85	6	27	29
2021-09-08 04:00	1.4	2.35	8.82	9.88	6	23	26
2021-09-08 05:00	1.78	3.04	11.04	11.51	8	29	30
2021-09-08 06:00	1.88	3.13	10.94	11.86	8	29	31
2021-09-08 07:00	2.03	2.96	8.7	9.36	8	23	25
2021-09-08 08:00	1.83	2.6	7.29	8.4	7	19	22
2021-09-08 09:00	1.73	2.42	6.49	7.87	6	17	21
2021-09-08 10:00	1.71	2.35	6.53	7.54	6	17	20
2021-09-08 11:00	1.67	2.26	6.22	7.85	6	16	21
2021-09-08 12:00	1.59	2.16	6.46	8.04	6	17	21
2021-09-08 13:00	1.4	1.94	5.89	7.8	5	16	21
2021-09-08 14:00	1.14	1.6	4.55	4.94	4	12	13
2021-09-08 15:00	1.09	1.52	4.25	5.06	4	11	13
2021-09-08 16:00	1	1.43	4.15	4.63	4	11	12
2021-09-08 17:00	1.5	2.48	7.82	10.6	7	21	28
2021-09-08 18:00	1.3	2.31	8.49	10.78	6	22	29
2021-09-08 19:00	0.93	1.87	7.41	7.99	5	20	21
2021-09-08 20:00	0.85	1.95	8.16	8.59	5	22	23
2021-09-08 21:00	0.77	2.27	10.42	10.89	6	28	29
2021-09-08 22:00	0.74	3.42	14.57	15.24	9	39	40
2021-09-08 23:00	0.67	2.73	13.34	13.92	7	35	37
2021-09-09 00:00	0.66	3.06	18.83	19.79	8	50	52
2021-09-09 01:00	0.7	3.66	23.1	24.15	10	61	64
2021-09-09 02:00	0.83	2.75	15.27	16.18	7	40	43
2021-09-09 03:00	1.08	2.52	13.4	14.55	7	36	39
2021-09-09 04:00	1.26	2.61	13.65	15.04	7	36	40
2021-09-09 05:00	1.25	2.89	17.34	18.39	8	46	49
2021-09-09 06:00	1.18	3.08	18.02	18.98	8	48	50
2021-09-09 07:00	1.34	1.92	6.14	6.47	5	16	17
2021-09-09 08:00	1.43	1.95	5.26	6.08	5	14	16
2021-09-09 09:00	1.36	1.85	4.61	5.18	5	12	14
2021-09-09 10:00	1.22	1.63	4.23	5.09	4	11	13
2021-09-09 11:00	0.94	1.23	3.28	4.14	3	9	11
2021-09-09 12:00	0.91	1.16	2.98	3.8	3	8	10
2021-09-09 13:00	0.98	1.25	3.41	4.56	3	9	12
2021-09-09 14:00	1.09	1.37	3.56	4.24	4	9	11
2021-09-09 15:00	1.04	1.41	4	4.38	4	11	12
2021-09-09 16:00	1.05	1.45	3.97	4.25	4	11	11
2021-09-09 17:00	1.04	1.92	7.89	8.87	5	21	23
2021-09-09 18:00	1.04	2.47	13.4	15.1	7	36	40
2021-09-09 19:00	1.13	2.9	17.12	18.66	8	45	49
2021-09-09 20:00	1.13	3.55	22.15	24.26	9	59	64
2021-09-09 21:00	1.14	4.06	24.89	26.18	11	66	69
2021-09-09 22:00	1.08	4.59	29.53	31.78	12	78	84
2021-09-09 23:00	1.12	4.2	25.32	27	11	67	72
2021-09-10 00:00	1.26	3.88	21.13	22.42	10	56	59
2021-09-10 01:00	1.32	3.55	19.46	20.71	9	52	55
2021-09-10 02:00	1.33	3.42	20.25	21.87	9	54	58
2021-09-10 03:00	1.36	3.2	16.9	18.6	8	45	49

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-10 04:00	1.38	3.34	18.82	20.64	9	50	55
2021-09-10 05:00	1.43	2.32	8.97	9.48	6	24	25
2021-09-10 06:00	1.43	2.17	7.93	8.68	6	21	23
2021-09-10 07:00	1.44	2.13	7.35	7.74	6	19	21
2021-09-10 08:00	1.43	2	6.1	7.02	5	16	19
2021-09-10 09:00	1.35	1.89	6.03	7.13	5	16	19
2021-09-10 10:00	1.12	1.65	6.02	7.95	4	16	21
2021-09-10 11:00	1.03	1.62	6.86	10.22	4	18	27
2021-09-10 12:00	1.01	1.72	7.44	11.07	5	20	29
2021-09-10 13:00	0.97	1.79	8.14	12.79	5	22	34
2021-09-10 14:00	0.81	1.8	8.25	13.97	5	22	37
2021-09-10 15:00	0.79	1.89	8.74	14.48	5	23	38
2021-09-10 16:00	0.85	2.01	8.75	14.54	5	23	39
2021-09-10 17:00	1.03	2.49	11.07	15.06	7	29	40
2021-09-10 18:00	1.31	3.14	12.76	17.34	8	34	46
2021-09-10 19:00	1.63	3.58	13.53	21.1	9	36	56
2021-09-10 20:00	2.02	3.87	13.38	18.71	10	35	50
2021-09-10 21:00	1.88	3.27	8.56	9.55	9	23	25
2021-09-10 22:00	1.9	3.36	8.94	9.65	9	24	26
2021-09-10 23:00	1.55	2.54	6.87	7.93	7	18	21
2021-09-11 00:00	1.41	2.11	5.52	6.23	6	15	17
2021-09-11 01:00	1.33	2.04	5.55	6.27	5	15	17
2021-09-11 02:00	1.22	1.93	5.63	6.45	5	15	17
2021-09-11 03:00	1.1	1.8	5.57	6.57	5	15	17
2021-09-11 04:00	0.44	0.89	4.12	4.93	2	11	13
2021-09-11 05:00	0.15	0.46	3.09	4.39	1	8	12
2021-09-11 06:00	0.12	0.44	3.26	5.21	1	9	14
2021-09-11 07:00	0.07	0.32	2.57	3.93	1	7	10
2021-09-11 08:00	0.11	0.33	2.34	3.6	1	6	10
2021-09-11 09:00	0.14	0.33	2.15	4.09	1	6	11
2021-09-11 10:00	0.16	0.37	2.34	5.08	1	6	13
2021-09-11 11:00	0.18	0.39	2.38	5.25	1	6	14
2021-09-11 12:00	0.19	0.39	2.32	4.64	1	6	12
2021-09-11 13:00	0.14	0.32	2.24	5.53	1	6	15
2021-09-11 14:00	0.13	0.3	2.05	3.59	1	5	10
2021-09-11 15:00	0.11	0.28	1.91	4.06	1	5	11
2021-09-11 16:00	0.13	0.29	1.86	3.78	1	5	10
2021-09-11 17:00	0.14	0.29	1.86	2.89	1	5	8
2021-09-11 18:00	0.26	0.46	2.36	6.16	1	6	16
2021-09-11 19:00	0.14	0.4	2.47	4.46	1	7	12
2021-09-11 20:00	0.16	0.41	2.28	3.17	1	6	8
2021-09-11 21:00	0.2	0.49	2.88	4.22	1	8	11
2021-09-11 22:00	0.45	0.71	2.96	4.49	2	8	12
2021-09-11 23:00	0.58	0.79	2.7	3.76	2	7	10
2021-09-12 00:00	0.64	0.85	2.57	3.43	2	7	9
2021-09-12 01:00	0.67	0.89	2.52	3.39	2	7	9
2021-09-12 02:00	0.74	0.97	2.65	3.08	3	7	8
2021-09-12 03:00	0.76	1.01	2.72	3.58	3	7	9
2021-09-12 04:00	0.78	1.04	2.81	3.34	3	7	9
2021-09-12 05:00	0.8	1.06	2.75	3.48	3	7	9
2021-09-12 06:00	0.81	1.07	3.03	3.65	3	8	10

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-12 07:00	0.77	1.03	2.96	3.63	3	8	10
2021-09-12 08:00	0.82	1.3	4.56	8.5	3	12	23
2021-09-12 09:00	0.54	0.77	2.61	3.21	2	7	9
2021-09-12 10:00	0.38	0.62	2.66	3.95	2	7	10
2021-09-12 11:00	0.24	0.41	2.09	3.14	1	6	8
2021-09-12 12:00	0.15	0.29	1.77	2.37	1	5	6
2021-09-12 13:00	0.13	0.27	1.73	2.77	1	5	7
2021-09-12 14:00	0.12	0.29	2.61	7.8	1	7	21
2021-09-12 15:00	0.1	0.25	1.87	2.45	1	5	6
2021-09-12 16:00	0.1	0.25	1.92	2.73	1	5	7
2021-09-12 17:00	0.1	0.28	2.53	3.52	1	7	9
2021-09-12 18:00	0.11	0.39	4.53	12.4	1	12	33
2021-09-12 19:00	0.08	0.51	6.05	6.97	1	16	18
2021-09-12 20:00	0.1	0.76	8.9	9.94	2	24	26
2021-09-12 21:00	0.14	0.87	9.49	10.27	2	25	27
2021-09-12 22:00	3.5	5.46	14.47	15.44	14	38	41
2021-09-12 23:00	3.61	4.9	14.29	15.69	13	38	42
2021-09-13 00:00	2.21	3.25	12.5	13.66	9	33	36
2021-09-13 01:00	0.37	0.82	5.55	6.4	2	15	17
2021-09-13 02:00	0.17	0.45	2.89	3.08	1	8	8
2021-09-13 03:00	0.16	0.46	3.25	3.49	1	9	9
2021-09-13 04:00	0.13	0.39	2.72	2.96	1	7	8
2021-09-13 05:00	0.13	0.36	2.51	2.56	1	7	7
2021-09-13 06:00	0.15	0.38	2.3	2.54	1	6	7
2021-09-13 07:00	0.17	0.4	2.34	2.58	1	6	7
2021-09-13 08:00	0.23	0.48	2.47	3.07	1	7	8
2021-09-13 09:00	0.43	0.73	3.26	3.97	2	9	11
2021-09-13 10:00	0.68	0.97	3.82	4.67	3	10	12
2021-09-13 11:00	0.78	1	3.22	4.1	3	9	11
2021-09-13 12:00	0.75	0.95	3.15	3.91	3	8	10
2021-09-13 13:00	0.75	0.98	3.26	4.21	3	9	11
2021-09-13 14:00	0.75	0.99	3.3	4.02	3	9	11
2021-09-13 15:00	0.74	0.99	3.49	4.65	3	9	12
2021-09-13 16:00	0.74	1	3.8	5.19	3	10	14
2021-09-13 17:00	0.78	1.06	4.26	5.21	3	11	14
2021-09-13 18:00	0.81	1.12	5.33	6.63	3	14	18
2021-09-13 19:00	0.88	1.23	5.68	7.08	3	15	19
2021-09-13 20:00	0.93	1.34	6.34	7.44	4	17	20
2021-09-13 21:00	0.98	1.45	6.36	7.84	4	17	21
2021-09-13 22:00	1.01	1.5	6.62	7.63	4	18	20
2021-09-13 23:00	1.07	1.57	5.92	6.88	4	16	18
2021-09-14 00:00	1.12	1.63	4.33	4.91	4	11	13
2021-09-14 01:00	1.3	1.95	4.04	4.28	5	11	11
2021-09-14 02:00	1.42	2.18	4.6	5.08	6	12	13
2021-09-14 03:00	1.65	2.53	5.07	5.36	7	13	14
2021-09-14 04:00	1.79	2.82	6.64	7.74	7	18	21
2021-09-14 05:00	1.76	2.84	7.85	8.95	8	21	24
2021-09-14 06:00	1.76	3.05	10.62	12.25	8	28	32
2021-09-14 07:00	2.03	3.26	9.35	11.52	9	25	31
2021-09-14 08:00	2.18	3.44	8.73	10.73	9	23	28
2021-09-14 09:00	1.92	3.04	7.76	9.77	8	21	26

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-14 10:00	1.42	2.17	5.18	6.57	6	14	17
2021-09-14 11:00	1.14	1.69	4.1	5.25	4	11	14
2021-09-14 12:00	1.09	1.58	3.88	5.51	4	10	15
2021-09-14 13:00	0.88	1.24	3.49	5.74	3	9	15
2021-09-14 14:00	0.79	1.1	2.96	4.23	3	8	11
2021-09-14 15:00	0.62	0.89	2.71	4.24	2	7	11
2021-09-14 16:00	0.56	0.84	2.59	3.64	2	7	10
2021-09-14 17:00	0.49	0.77	2.51	3.71	2	7	10
2021-09-14 18:00	0.4	0.78	2.81	3.67	2	7	10
2021-09-14 19:00	0.36	0.74	3.84	5.09	2	10	13
2021-09-14 20:00	0.41	0.8	3.77	5.06	2	10	13
2021-09-14 21:00	0.41	0.94	5.63	6.73	2	15	18
2021-09-14 22:00	0.4	0.85	4.67	5.44	2	12	14
2021-09-14 23:00	0.4	0.83	4.81	5.49	2	13	15
2021-09-15 00:00	0.41	1.2	8.99	10	3	24	26
2021-09-15 01:00	0.43	1.28	8	9.01	3	21	24
2021-09-15 02:00	0.45	1.12	6.44	6.82	3	17	18
2021-09-15 03:00	0.48	1.42	9.92	11.12	4	26	29
2021-09-15 04:00	0.52	1.35	9.85	10.57	4	26	28
2021-09-15 05:00	0.6	1.53	12.48	13.2	4	33	35
2021-09-15 06:00	0.6	1.53	12.54	13.16	4	33	35
2021-09-15 07:00	0.66	1.38	8.14	8.52	4	22	23
2021-09-15 08:00	0.66	1.06	3.67	3.9	3	10	10
2021-09-15 09:00	0.58	0.89	2.75	3.28	2	7	9
2021-09-15 10:00	0.46	0.71	2.27	2.75	2	6	7
2021-09-15 11:00	0.43	0.68	2.16	3.07	2	6	8
2021-09-15 12:00	0.39	0.63	2.36	2.6	2	6	7
2021-09-15 13:00	0.38	0.59	2.24	3.18	2	6	8
2021-09-15 14:00	0.42	0.68	2.78	3.85	2	7	10
2021-09-15 15:00	0.47	0.84	3.95	6.51	2	10	17
2021-09-15 16:00	0.44	0.87	4.3	6.92	2	11	18
2021-09-15 17:00	0.43	0.94	5.15	8.2	2	14	22
2021-09-15 18:00	0.41	1.03	7.46	10.22	3	20	27
2021-09-15 19:00	0.42	1.14	9.04	12.58	3	24	33
2021-09-15 20:00	0.44	1.34	10.8	14.39	4	29	38
2021-09-15 21:00	0.51	1.53	10.53	16.63	4	28	44
2021-09-15 22:00	0.6	1.69	9.93	14.06	4	26	37
2021-09-15 23:00	0.75	1.75	8.66	13.33	5	23	35
2021-09-16 00:00	1.02	1.86	7.3	10.64	5	19	28
2021-09-16 01:00	1.16	1.91	6.74	9.56	5	18	25
2021-09-16 02:00	1.19	1.9	6.67	10.08	5	18	27
2021-09-16 03:00	1.23	1.96	6.81	10.77	5	18	29
2021-09-16 04:00	1.25	2.05	7.49	11.47	5	20	30
2021-09-16 05:00	1.32	2.21	8.04	10.66	6	21	28
2021-09-16 06:00	1.41	2.37	8.58	11.4	6	23	30
2021-09-16 07:00	1.49	2.57	9.25	12.15	7	25	32
2021-09-16 08:00	1.61	2.72	9.38	12.06	7	25	32
2021-09-16 09:00	1.72	2.74	8.94	12.97	7	24	34
2021-09-16 10:00	1.6	2.51	7.87	10.37	7	21	27
2021-09-16 11:00	1.28	2.05	6.68	10.81	5	18	29
2021-09-16 12:00	1.41	2.57	11.77	17.33	7	31	46

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-16 13:00	1.44	2.35	7.18	9.56	6	19	25
2021-09-16 14:00	1.34	2.19	5.96	7.71	6	16	20
2021-09-16 15:00	1.13	1.87	5.73	7.46	5	15	20
2021-09-16 16:00	1.24	2.07	5.31	7.16	5	14	19
2021-09-16 17:00	1.19	1.92	4.65	5.85	5	12	15
2021-09-16 18:00	1.14	1.93	5.54	7.36	5	15	19
2021-09-16 19:00	1.12	2.07	6.83	7.9	5	18	21
2021-09-16 20:00	1.05	1.89	6.13	6.99	5	16	19
2021-09-16 21:00	0.99	1.77	6.05	6.58	5	16	17
2021-09-16 22:00	0.91	1.68	6.31	7.31	4	17	19
2021-09-16 23:00	0.94	1.7	6.14	6.9	5	16	18
2021-09-17 00:00	0.92	1.72	6.53	7.63	5	17	20
2021-09-17 01:00	0.88	1.7	6.53	7.44	5	17	20
2021-09-17 02:00	0.87	1.75	6.73	7.67	5	18	20
2021-09-17 03:00	0.88	1.85	7.16	8.71	5	19	23
2021-09-17 04:00	0.87	1.93	7.86	10.16	5	21	27
2021-09-17 05:00	0.84	1.96	8.2	11.15	5	22	30
2021-09-17 06:00	0.82	2.04	9.48	13.91	5	25	37
2021-09-17 07:00	0.81	1.99	8.59	13.53	5	23	36
2021-09-17 08:00	0.71	1.92	8.21	14.72	5	22	39
2021-09-17 09:00	0.36	1.17	5.59	10.18	3	15	27
2021-09-17 10:00	0.2	0.67	3.36	5.75	2	9	15
2021-09-17 11:00	0.12	0.41	2.4	4.51	1	6	12
2021-09-17 12:00	0.09	0.34	2.26	3.93	1	6	10
2021-09-17 13:00	0.08	0.3	2.18	3.9	1	6	10
2021-09-17 14:00	0.08	0.25	1.91	3.18	1	5	8
2021-09-17 15:00	0.08	0.27	2.04	3.79	1	5	10
2021-09-17 16:00	0.09	0.3	1.99	3.25	1	5	9
2021-09-17 17:00	0.1	0.33	2.29	3.68	1	6	10
2021-09-17 18:00	0.09	0.35	2.67	3.41	1	7	9
2021-09-17 19:00	0.13	0.46	3.31	4.17	1	9	11
2021-09-17 20:00	0.12	0.5	3.44	4.06	1	9	11
2021-09-17 21:00	0.12	0.58	3.94	4.71	2	10	12
2021-09-17 22:00	0.13	0.65	4.4	5.9	2	12	16
2021-09-17 23:00	0.14	0.72	5.03	6.13	2	13	16
2021-09-18 00:00	0.16	1.27	10.15	12.71	3	27	34
2021-09-18 01:00	0.18	1.43	11.32	12.88	4	30	34
2021-09-18 02:00	0.18	1.92	17.99	21.82	5	48	58
2021-09-18 03:00	0.17	1.7	14.93	17.2	5	40	46
2021-09-18 04:00	0.18	1.63	15.88	18.2	4	42	48
2021-09-18 05:00	0.18	1.17	9.37	11.13	3	25	29
2021-09-18 06:00	0.17	0.83	6.02	7.74	2	16	21
2021-09-18 07:00	0.16	0.67	4.54	6.46	2	12	17
2021-09-18 08:00	0.2	0.68	5.06	7.49	2	13	20
2021-09-18 09:00	0.41	0.93	5.62	10.08	2	15	27
2021-09-18 10:00	0.77	1.38	6.39	13.75	4	17	36
2021-09-18 11:00	0.87	1.52	6.67	14.06	4	18	37
2021-09-18 12:00	0.55	1.19	6.26	12.18	3	17	32
2021-09-18 13:00	0.46	1.13	6.65	13.56	3	18	36
2021-09-18 14:00	0.56	1.28	7.66	15.7	3	20	42
2021-09-18 15:00	0.63	1.31	7.28	12.81	3	19	34

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-18 16:00	0.64	1.35	7.92	13.11	4	21	35
2021-09-18 17:00	0.59	1.33	7.96	13.13	4	21	35
2021-09-18 18:00	0.57	1.4	9.37	13.96	4	25	37
2021-09-18 19:00	0.55	1.36	8.93	13.37	4	24	35
2021-09-18 20:00	0.47	1.32	9.67	13.25	3	26	35
2021-09-18 21:00	0.44	1.31	9.43	13.22	3	25	35
2021-09-18 22:00	0.43	1.33	9.5	12.42	4	25	33
2021-09-18 23:00	0.47	1.34	9.13	13.26	4	24	35
2021-09-19 00:00	0.54	1.39	8.36	12.42	4	22	33
2021-09-19 01:00	0.59	1.46	8.91	12.75	4	24	34
2021-09-19 02:00	0.63	1.5	9.15	13.7	4	24	36
2021-09-19 03:00	0.66	1.54	8.83	12.4	4	23	33
2021-09-19 04:00	0.75	1.65	9.06	13.32	4	24	35
2021-09-19 05:00	0.8	1.79	10.3	15.14	5	27	40
2021-09-19 06:00	0.92	1.97	10.77	15.32	5	29	41
2021-09-19 07:00	1.16	2.32	11.03	14.46	6	29	38
2021-09-19 08:00	1.64	2.93	11.62	16.59	8	31	44
2021-09-19 09:00	2.25	3.71	12.71	18.94	10	34	50
2021-09-19 10:00	2.84	4.44	13.73	20.43	12	36	54
2021-09-19 11:00	3.53	5.21	14.1	21.81	14	37	58
2021-09-19 12:00	4.06	5.79	14.25	22.05	15	38	58
2021-09-19 13:00	4.49	6.17	14.48	21.7	16	38	57
2021-09-19 14:00	4.72	6.33	14.64	22.78	17	39	60
2021-09-19 15:00	5.23	6.73	14.59	24.02	18	39	64
2021-09-19 16:00	5.9	7.46	16	24.86	20	42	66
2021-09-19 17:00	6.31	7.89	17.03	26.18	21	45	69
2021-09-19 18:00	6.37	8.04	17.65	25.73	21	47	68
2021-09-19 19:00	5.98	7.73	17.9	25.66	20	47	68
2021-09-19 20:00	5.67	7.48	17.69	24.2	20	47	64
2021-09-19 21:00	5.79	7.68	18.32	26.13	20	49	69
2021-09-19 22:00	6.36	8.48	20.17	28.6	22	53	76
2021-09-19 23:00	6.37	9.62	30.22	37.5	25	80	99
2021-09-20 00:00	6.23	9.95	32.94	36.62	26	87	97
2021-09-20 01:00	6.3	10.26	35.47	38.78	27	94	103
2021-09-20 02:00	7.13	10.45	33.93	39.1	28	90	104
2021-09-20 03:00	8.77	11.38	27.71	31.69	30	73	84
2021-09-20 04:00	9.86	12.26	27.21	32.14	32	72	85
2021-09-20 05:00	9.86	12.1	24.93	29.19	32	66	77
2021-09-20 06:00	7.78	9.78	20.61	24.17	26	55	64
2021-09-20 07:00	5.48	7.13	16.08	19	19	43	50
2021-09-20 08:00	3.5	4.79	12.1	13.86	13	32	37
2021-09-20 09:00	3.41	4.67	12.2	13.86	12	32	37
2021-09-20 10:00	3.13	4.42	11.26	12.73	12	30	34
2021-09-20 11:00	2.39	3.46	8.92	10.04	9	24	27
2021-09-20 12:00	1.85	2.69	6.8	7.66	7	18	20
2021-09-20 13:00	1.66	2.39	6.29	7.34	6	17	19
2021-09-20 14:00	1.6	2.33	6.67	7.82	6	18	21
2021-09-20 15:00	1.55	2.36	7.26	8.36	6	19	22
2021-09-20 16:00	1.44	2.17	7.68	9.31	6	20	25
2021-09-20 17:00	1.22	1.95	9.34	10.35	5	25	27
2021-09-20 18:00	1.11	1.97	11.16	13.03	5	30	35

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-20 19:00	0.99	2.15	13.56	16.11	6	36	43
2021-09-20 20:00	0.92	2.37	16.33	18.76	6	43	50
2021-09-20 21:00	0.91	2.83	21.72	24.81	7	58	66
2021-09-20 22:00	0.92	2.2	15.08	17.02	6	40	45
2021-09-20 23:00	0.92	2.18	14.29	16.49	6	38	44
2021-09-21 00:00	0.91	2.18	13.8	15.69	6	37	42
2021-09-21 01:00	0.87	2.09	13.11	14.81	6	35	39
2021-09-21 02:00	0.79	1.54	8.31	9.75	4	22	26
2021-09-21 03:00	0.52	1.14	6.82	8.32	3	18	22
2021-09-21 04:00	0.44	1.01	6.65	7.96	3	18	21
2021-09-21 05:00	0.46	1.07	6.96	7.51	3	18	20
2021-09-21 06:00	0.42	1	6.85	7.83	3	18	21
2021-09-21 07:00	0.35	0.9	6.66	7.57	2	18	20
2021-09-21 08:00	0.38	0.86	5.64	6.17	2	15	16
2021-09-21 09:00	0.22	0.58	4.36	5.02	2	12	13
2021-09-21 10:00	0.16	0.42	3.58	4.49	1	9	12
2021-09-21 11:00	0.14	0.36	3.06	4.26	1	8	11
2021-09-21 12:00	0.13	0.32	2.84	4.35	1	8	12
2021-09-21 13:00	0.16	0.33	2.68	4.29	1	7	11
2021-09-21 14:00	0.15	0.29	2.47	3.29	1	7	9
2021-09-21 15:00	0.17	0.33	2.45	3.16	1	6	8
2021-09-21 16:00	0.21	0.39	2.68	3.69	1	7	10
2021-09-21 17:00	0.24	0.48	3.49	4.35	1	9	12
2021-09-21 18:00	0.28	0.65	6.52	8.06	2	17	21
2021-09-21 19:00	0.25	1.12	15.6	17.84	3	41	47
2021-09-21 20:00	0.26	1.12	15.03	17.11	3	40	45
2021-09-21 21:00	0.26	1.21	14.35	16.38	3	38	43
2021-09-21 22:00	8.2	13.22	29.3	31.93	35	78	85
2021-09-21 23:00	6.7	10.49	27.92	29.9	28	74	79
2021-09-22 00:00	4.7	9.23	28.02	30.04	24	74	80
2021-09-22 01:00	2.05	4.76	22.11	24.12	13	59	64
2021-09-22 02:00	0.93	2.44	18.03	19.65	6	48	52
2021-09-22 03:00	2.42	4.09	19.91	21.53	11	53	57
2021-09-22 04:00	1.39	2.8	16.12	17.8	7	43	47
2021-09-22 05:00	2.55	4.44	17.21	19.84	12	46	53
2021-09-22 06:00	0.77	1.85	15.6	17.65	5	41	47
2021-09-22 07:00	0.8	1.55	10.55	13.53	4	28	36
2021-09-22 08:00	0.46	0.91	4.45	5.07	2	12	13
2021-09-22 09:00	0.48	0.95	4.85	6.33	3	13	17
2021-09-22 10:00	0.54	1.09	5.39	8.15	3	14	22
2021-09-22 11:00	0.52	1.09	5.69	8.04	3	15	21
2021-09-22 12:00	0.48	1.04	5.38	8.77	3	14	23
2021-09-22 13:00	0.51	1.08	5.09	9.24	3	13	24
2021-09-22 14:00	0.45	1.03	5.06	8.99	3	13	24
2021-09-22 15:00	0.44	1.06	5.51	9.9	3	15	26
2021-09-22 16:00	0.42	1.01	5.47	9.9	3	14	26
2021-09-22 17:00	0.4	1.03	6	9.8	3	16	26
2021-09-22 18:00	0.4	1.15	8.43	11.91	3	22	32
2021-09-22 19:00	0.42	1.3	10.99	14.42	3	29	38
2021-09-22 20:00	0.46	1.38	11.19	14.53	4	30	38
2021-09-22 21:00	0.48	1.42	11.24	14.21	4	30	38

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-22 22:00	0.51	1.45	10.52	13.4	4	28	36
2021-09-22 23:00	0.53	1.51	10.98	14.04	4	29	37
2021-09-23 00:00	0.51	1.54	11.4	14.46	4	30	38
2021-09-23 01:00	0.49	1.51	11.21	13.88	4	30	37
2021-09-23 02:00	0.46	1.35	9.99	14.21	4	26	38
2021-09-23 03:00	0.43	1.2	8.31	11.5	3	22	30
2021-09-23 04:00	0.4	1.14	7.5	11.79	3	20	31
2021-09-23 05:00	0.4	1.15	7.38	11.77	3	20	31
2021-09-23 06:00	0.41	1.15	7.63	11.84	3	20	31
2021-09-23 07:00	0.42	1.15	7.38	11.34	3	20	30
2021-09-23 08:00	0.44	1.16	7.04	10.84	3	19	29
2021-09-23 09:00	0.45	1.16	6.52	11.31	3	17	30
2021-09-23 10:00	0.46	1.16	6.64	10.81	3	18	29
2021-09-23 11:00	0.46	1.18	6.75	12.72	3	18	34
2021-09-23 12:00	0.49	1.25	7.34	13.67	3	19	36
2021-09-23 13:00	0.5	1.25	7.3	12.94	3	19	34
2021-09-23 14:00	0.5	1.22	7.16	11.82	3	19	31
2021-09-23 15:00	0.51	1.23	7.48	13.54	3	20	36
2021-09-23 16:00	0.52	1.33	7.89	13.06	4	21	35
2021-09-23 17:00	0.52	1.33	7.9	13.42	4	21	36
2021-09-23 18:00	0.53	1.34	7.89	12.73	4	21	34
2021-09-23 19:00	0.53	1.42	8.96	14.41	4	24	38
2021-09-23 20:00	0.58	1.64	10.75	17.02	4	28	45
2021-09-23 21:00	0.58	1.97	14.47	18.46	5	38	49
2021-09-23 22:00	0.59	2.45	17.78	21.61	6	47	57
2021-09-23 23:00	0.64	2.36	17.17	20.8	6	45	55
2021-09-24 00:00	0.77	2.84	21.4	26.1	8	57	69
2021-09-24 01:00	0.84	3.16	24.22	29.54	8	64	78
2021-09-24 02:00	0.93	2.56	12.07	17.76	7	32	47
2021-09-24 03:00	1.28	2.54	9.64	13.04	7	26	35
2021-09-24 04:00	1.33	2.36	8.73	11.17	6	23	30
2021-09-24 05:00	1.12	1.92	8.75	11.81	5	23	31
2021-09-24 06:00	1.07	1.84	9.6	12.76	5	25	34
2021-09-24 07:00	1.09	1.95	9.44	11.7	5	25	31
2021-09-24 08:00	1.07	1.69	5.55	8.94	4	15	24
2021-09-24 09:00	0.92	1.42	4.93	9.58	4	13	25
2021-09-24 10:00	0.77	1.14	3.84	8.21	3	10	22
2021-09-24 11:00	0.82	1.19	3.87	7.79	3	10	21
2021-09-24 12:00	1.18	1.57	4.23	9.25	4	11	25
2021-09-24 13:00	0.86	1.14	3.14	5.01	3	8	13
2021-09-24 14:00	1.14	1.47	3.69	5.7	4	10	15
2021-09-24 15:00	0.75	1.02	3.19	5.39	3	8	14
2021-09-24 16:00	0.56	0.81	3.16	7.9	2	8	21
2021-09-24 17:00	0.34	0.5	1.91	2.68	1	5	7
2021-09-24 18:00	0.31	0.48	2.04	2.81	1	5	7
2021-09-24 19:00	0.42	0.67	3.05	3.96	2	8	10
2021-09-24 20:00	0.44	0.77	3.83	5.17	2	10	14
2021-09-24 21:00	0.49	0.89	3.37	5.19	2	9	14
2021-09-24 22:00	0.35	0.69	2.5	3.22	2	7	9
2021-09-24 23:00	0.29	0.61	2.2	2.3	2	6	6
2021-09-25 00:00	0.23	0.46	2.06	2.35	1	5	6

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-25 01:00	0.22	0.43	2.19	2.48	1	6	7
2021-09-25 02:00	0.17	0.28	1.38	1.72	1	4	5
2021-09-25 03:00	0.26	0.36	1.5	1.69	1	4	4
2021-09-25 04:00	0.26	0.4	1.7	2.04	1	5	5
2021-09-25 05:00	0.25	0.41	1.7	2.18	1	5	6
2021-09-25 06:00	0.17	0.33	1.74	2.27	1	5	6
2021-09-25 07:00	0.16	0.33	1.79	2.27	1	5	6
2021-09-25 08:00	0.13	0.31	1.74	2.22	1	5	6
2021-09-25 09:00	0.11	0.28	1.52	1.8	1	4	5
2021-09-25 10:00	0.11	0.27	1.53	1.96	1	4	5
2021-09-25 11:00	0.14	0.3	1.59	2.26	1	4	6
2021-09-25 12:00	0.22	0.41	1.94	2.67	1	5	7
2021-09-25 13:00	0.29	0.48	2.08	2.99	1	6	8
2021-09-25 14:00	0.24	0.42	1.93	2.55	1	5	7
2021-09-25 15:00	0.23	0.41	2.27	5.05	1	6	13
2021-09-25 16:00	0.2	0.38	2.21	3.01	1	6	8
2021-09-25 17:00	0.21	0.43	3.21	3.88	1	9	10
2021-09-25 18:00	0.24	0.66	6.33	7.74	2	17	21
2021-09-25 19:00	0.41	1.23	10.09	11.76	3	27	31
2021-09-25 20:00	0.34	1.28	9.21	11.44	3	24	30
2021-09-25 21:00	0.43	1.34	9.53	11.64	4	25	31
2021-09-25 22:00	0.47	1.38	9.33	11.3	4	25	30
2021-09-25 23:00	0.51	1.6	11.77	13.94	4	31	37
2021-09-26 00:00	0.5	1.55	11.57	14.63	4	31	39
2021-09-26 01:00	0.5	1.46	12.9	14.9	4	34	39
2021-09-26 02:00	0.54	1.64	14.41	16.91	4	38	45
2021-09-26 03:00	1.38	2.73	15.75	17.72	7	42	47
2021-09-26 04:00	0.94	2.2	14.17	16.32	6	38	43
2021-09-26 05:00	0.59	1.73	12.94	14.76	5	34	39
2021-09-26 06:00	0.65	1.84	11.89	14.89	5	32	39
2021-09-26 07:00	0.86	1.86	10.1	13.72	5	27	36
2021-09-26 08:00	0.71	1.38	5.86	7.68	4	16	20
2021-09-26 09:00	0.54	0.9	3.44	4.38	2	9	12
2021-09-26 10:00	0.39	0.66	2.92	3.78	2	8	10
2021-09-26 11:00	0.53	0.82	3.83	10.84	2	10	29
2021-09-26 12:00	0.37	0.68	5	20.34	2	13	54
2021-09-26 13:00	0.35	0.61	3.15	8.65	2	8	23
2021-09-26 14:00	0.34	0.59	2.68	3.8	2	7	10
2021-09-26 15:00	0.28	0.45	2.38	4.06	1	6	11
2021-09-26 16:00	0.28	0.5	3.73	11.15	1	10	30
2021-09-26 17:00	0.3	0.48	2.61	5.48	1	7	15
2021-09-26 18:00	0.29	0.48	2.62	4.13	1	7	11
2021-09-26 19:00	0.31	0.58	3.99	6.97	2	11	18
2021-09-26 20:00	0.27	0.62	4.34	5.01	2	11	13
2021-09-26 21:00	0.34	0.67	4.11	4.68	2	11	12
2021-09-26 22:00	0.33	0.78	5.8	6.91	2	15	18
2021-09-26 23:00	0.31	0.82	7.8	9.25	2	21	25
2021-09-27 00:00	1.31	2.9	11.75	12.92	8	31	34
2021-09-27 01:00	1.89	4.39	14.62	16.25	12	39	43
2021-09-27 02:00	1.77	4.46	15.44	16.92	12	41	45
2021-09-27 03:00	0.66	1.88	10.38	12.01	5	27	32

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-27 04:00	0.77	1.8	9.17	10.59	5	24	28
2021-09-27 05:00	0.74	1.54	7.59	8.71	4	20	23
2021-09-27 06:00	1.23	2.78	9.62	11.35	7	25	30
2021-09-27 07:00	1.03	2.21	7.96	10.88	6	21	29
2021-09-27 08:00	1.01	2.69	7.89	10.36	7	21	27
2021-09-27 09:00	0.23	0.41	1.95	2.4	1	5	6
2021-09-27 10:00	0.23	0.38	1.76	2.26	1	5	6
2021-09-27 11:00	0.23	0.37	1.72	1.89	1	5	5
2021-09-27 12:00	0.24	0.39	1.73	2.21	1	5	6
2021-09-27 13:00	0.34	0.47	1.7	2.34	1	5	6
2021-09-27 14:00	0.25	0.37	1.53	1.72	1	4	5
2021-09-27 15:00	0.29	0.4	1.44	2.59	1	4	7
2021-09-27 16:00	0.3	0.46	2.1	4.04	1	6	11
2021-09-27 17:00	0.36	0.8	4.23	5.83	2	11	15
2021-09-27 18:00	0.38	1.03	6.11	7.88	3	16	21
2021-09-27 19:00	1.8	3.29	23.04	68.23	9	61	181
2021-09-27 20:00	0.92	1.83	10.4	12.96	5	28	34
2021-09-27 21:00	0.37	0.74	5.1	6.25	2	14	17
2021-09-27 22:00	0.37	0.77	5.46	6.23	2	14	17
2021-09-27 23:00	0.4	0.74	4.46	5.73	2	12	15
2021-09-28 00:00	0.43	0.74	4.36	5.4	2	12	14
2021-09-28 01:00	0.47	0.8	4.77	5.84	2	13	15
2021-09-28 02:00	0.49	0.85	5.44	6.57	2	14	17
2021-09-28 03:00	0.52	0.92	5.64	6.83	2	15	18
2021-09-28 04:00	0.54	0.98	5.73	6.85	3	15	18
2021-09-28 05:00	0.57	1.03	5.93	7.82	3	16	21
2021-09-28 06:00	0.59	1.12	6.42	7.86	3	17	21
2021-09-28 07:00	0.63	1.22	6.83	9.42	3	18	25
2021-09-28 08:00	0.71	1.4	7.68	9.98	4	20	26
2021-09-28 09:00	0.79	1.58	8.04	10.95	4	21	29
2021-09-28 10:00	0.92	1.8	8.67	13.47	5	23	36
2021-09-28 11:00	1.03	1.97	8.56	14.58	5	23	39
2021-09-28 12:00	1	2.01	9.1	16.71	5	24	44
2021-09-28 13:00	1.05	2.14	10.17	20.94	6	27	55
2021-09-28 14:00	1.04	2.11	9.73	18.64	6	26	49
2021-09-28 15:00	1.05	2.18	9.98	17.55	6	26	46
2021-09-28 16:00	1.12	2.28	10.68	19.16	6	28	51
2021-09-28 17:00	1.17	2.47	11.39	21.33	7	30	57
2021-09-28 18:00	1.07	2.29	10.34	16.43	6	27	44
2021-09-28 19:00	1.04	2.26	10.22	15.26	6	27	40
2021-09-28 20:00	0.98	2.15	9.99	14	6	26	37
2021-09-28 21:00	0.93	1.99	9.42	12.98	5	25	34
2021-09-28 22:00	0.92	1.93	9.56	12.05	5	25	32
2021-09-28 23:00	0.85	1.86	9.81	11.25	5	26	30
2021-09-29 00:00	1.05	2.28	10.44	12.64	6	28	33
2021-09-29 01:00	0.75	1.71	9.64	11.17	5	26	30
2021-09-29 02:00	0.66	1.54	9.65	12.06	4	26	32
2021-09-29 03:00	0.62	1.43	9.05	11.78	4	24	31
2021-09-29 04:00	0.61	1.39	8.41	10.41	4	22	28
2021-09-29 05:00	0.65	1.42	8.27	9.96	4	22	26
2021-09-29 06:00	0.69	1.49	7.92	10.68	4	21	28

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-09-29 07:00	0.76	1.57	7.71	9.74	4	20	26
2021-09-29 08:00	0.79	1.62	7.59	10.11	4	20	27
2021-09-29 09:00	0.91	1.84	8.43	11.18	5	22	30
2021-09-29 10:00	1.11	2.13	8.88	12.48	6	24	33
2021-09-29 11:00	1.3	2.4	9.68	15.34	6	26	41
2021-09-29 12:00	1.3	2.48	10.24	15.91	7	27	42
2021-09-29 13:00	1.44	2.83	11.51	17.94	7	30	48
2021-09-29 14:00	1.43	3.05	13.09	20.35	8	35	54
2021-09-29 15:00	1.42	3.01	13.02	19.19	8	34	51
2021-09-29 16:00	1.39	2.91	13.05	20.48	8	35	54
2021-09-29 17:00	1.6	3.56	15.77	24.38	9	42	65
2021-09-29 18:00	1.68	3.69	16.35	23.38	10	43	62
2021-09-29 19:00	1.59	3.58	15.95	21.82	9	42	58
2021-09-29 20:00	1.46	3.71	17.47	20.51	10	46	54
2021-09-29 21:00	1.31	3	13.73	16.83	8	36	45
2021-09-29 22:00	1.27	2.81	13.7	16.71	7	36	44
2021-09-29 23:00	1.27	2.85	15.3	20.16	8	41	53
2021-09-30 00:00	1.34	2.99	15.24	18.75	8	40	50
2021-09-30 01:00	1.49	3.36	16.88	21.51	9	45	57
2021-09-30 02:00	1.63	3.68	18.13	22.61	10	48	60
2021-09-30 03:00	1.83	3.96	18.42	23.35	10	49	62
2021-09-30 04:00	1.97	4.29	18.81	23.82	11	50	63
2021-09-30 05:00	1.97	5.14	20.32	22.54	14	54	60
2021-09-30 06:00	2.47	5.03	17.98	20.53	13	48	54
2021-09-30 07:00	2.74	5.3	17.02	20.29	14	45	54
2021-09-30 08:00	3.01	5.3	16.83	22.68	14	45	60
2021-09-30 09:00	3.16	5.46	16.77	26.02	14	44	69
2021-09-30 10:00	3.54	5.88	17.74	29.46	16	47	78
2021-09-30 11:00	3.71	6.08	18.28	31.3	16	48	83
2021-09-30 12:00	3.94	6.49	19.64	34.29	17	52	91
2021-09-30 13:00	4.09	6.77	20.73	35.75	18	55	95
2021-09-30 14:00	4.17	6.84	20.78	33.73	18	55	89
2021-09-30 15:00	4.27	7.03	21.85	37.18	19	58	99
2021-09-30 16:00	4.36	7.12	21.6	36.29	19	57	96
2021-09-30 17:00	4.42	7.28	21.83	34.7	19	58	92
2021-09-30 18:00	4.35	7.39	21.28	30.76	20	56	81
2021-09-30 19:00	4.12	7.95	25.05	29.63	21	66	78
2021-09-30 20:00	4.27	8.26	25.95	32.07	22	69	85
2021-09-30 21:00	4.71	8.4	25.2	30.34	22	67	80
2021-09-30 22:00	5.09	9	25.71	28.91	24	68	77
2021-09-30 23:00	18.38	22.76	32.6	34.99	60	86	93
2021-10-01 00:00	32.02	37.52	45.88	48.47	99	122	128
2021-10-01 01:00	33.35	38.94	46.56	48.03	103	123	127
2021-10-01 02:00	31.62	37.01	43.57	45.11	98	115	120
2021-10-01 03:00	30.36	35.78	42.74	44.9	95	113	119
2021-10-01 04:00	25.28	29.89	36.38	37.87	79	96	100
2021-10-01 05:00	18.07	21.45	26.9	29	57	71	77
2021-10-01 06:00	15.03	17.68	22.42	23.52	47	59	62
2021-10-01 07:00	12.23	14.43	19.9	29.19	38	53	77
2021-10-01 08:00	8.77	10.44	15.68	26.08	28	42	69
2021-10-01 09:00	7.85	9.58	15.03	21.77	25	40	58

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-01 10:00	9.16	10.98	17.77	33.39	29	47	88
2021-10-01 11:00	6.04	7.6	12.67	20.67	20	34	55
2021-10-01 12:00	6.02	7.52	12.53	18.16	20	33	48
2021-10-01 13:00	6.12	7.96	15.11	25.88	21	40	69
2021-10-01 14:00	8.37	10.46	16.6	20.95	28	44	56
2021-10-01 15:00	8.71	10.66	17.48	28.44	28	46	75
2021-10-01 16:00	12.75	15.01	22.46	32.67	40	60	87
2021-10-01 17:00	13.52	15.82	22.8	32.32	42	60	86
2021-10-01 18:00	12.52	14.66	21.77	26.99	39	58	72
2021-10-01 19:00	11.12	13.35	20.66	22.87	35	55	61
2021-10-01 20:00	11.42	13.46	20.22	21.71	36	54	58
2021-10-01 21:00	10.43	12.45	20.54	22.02	33	54	58
2021-10-01 22:00	10.36	12.38	20	21.39	33	53	57
2021-10-01 23:00	8.21	10.05	16.58	18.45	27	44	49
2021-10-02 00:00	6.7	8.71	17.88	19.33	23	47	51
2021-10-02 01:00	5.83	8.27	18.28	20.15	22	48	53
2021-10-02 02:00	5.66	7.52	14.78	16.17	20	39	43
2021-10-02 03:00	5.77	7.64	14	15.25	20	37	40
2021-10-02 04:00	5.51	6.78	10.48	10.95	18	28	29
2021-10-02 05:00	4.7	5.72	8.95	10.82	15	24	29
2021-10-02 06:00	4.26	5.23	8.35	9.17	14	22	24
2021-10-02 07:00	3.86	4.82	9.58	17.81	13	25	47
2021-10-02 08:00	3.68	4.49	7.81	14.85	12	21	39
2021-10-02 09:00	3.34	4.16	6.4	7.02	11	17	19
2021-10-02 10:00	3.49	4.35	7.27	8.62	12	19	23
2021-10-02 11:00	3.97	4.73	7.19	8.15	13	19	22
2021-10-02 12:00	4.15	4.89	7.42	8.09	13	20	21
2021-10-02 13:00	3.7	4.37	6.93	7.31	12	18	19
2021-10-02 14:00	4.34	5.04	7.51	8.51	13	20	23
2021-10-02 15:00	4.93	5.65	8.05	8.72	15	21	23
2021-10-02 16:00	5.24	6.03	8.77	9.49	16	23	25
2021-10-02 17:00	8.48	9.47	13.31	15.22	25	35	40
2021-10-02 18:00	10.92	12.87	21.5	23.35	34	57	62
2021-10-02 19:00	10.63	13.04	25.52	27.15	35	68	72
2021-10-02 20:00	7.08	9	19.87	21.64	24	53	57
2021-10-02 21:00	20.56	26.66	42.94	45.33	71	114	120
2021-10-02 22:00	16.18	19.2	32.5	34.42	51	86	91
2021-10-02 23:00	9.51	11.65	22.09	23.24	31	59	62
2021-10-03 00:00	7.16	9.21	20.53	22.07	24	54	58
2021-10-03 01:00	6.54	8.32	17.62	18.85	22	47	50
2021-10-03 02:00	5.11	6.54	15.56	16.86	17	41	45
2021-10-03 03:00	4.95	6.21	13.21	13.54	16	35	36
2021-10-03 04:00	2.62	3.57	9.35	10.26	9	25	27
2021-10-03 05:00	1.75	2.35	8.79	25.03	6	23	66
2021-10-03 06:00	1.05	1.21	5.04	28.65	3	13	76
2021-10-03 07:00	0.81	0.9	3.49	24.17	2	9	64
2021-10-03 08:00	0.66	0.83	9.48	98.85	2	25	262
2021-10-03 09:00	0.81	0.96	8.24	128.65	3	22	341
2021-10-03 10:00	1.55	1.8	7.74	72.09	5	21	191
2021-10-03 11:00	2.64	3.01	6.35	21.54	8	17	57
2021-10-03 12:00	3.09	3.5	5.92	6.65	9	16	18

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-03 13:00	3.49	3.9	5.67	6.1	10	15	16
2021-10-03 14:00	4.25	4.67	6.4	6.59	12	17	17
2021-10-03 15:00	3.64	4.06	5.95	6.34	11	16	17
2021-10-03 16:00	3.56	4.01	6.27	6.8	11	17	18
2021-10-03 17:00	3.45	4	6.82	7.49	11	18	20
2021-10-03 18:00	6.25	7.77	15.75	18.97	21	42	50
2021-10-03 19:00	12.62	16.27	25.47	28.92	43	67	77
2021-10-03 20:00	2.81	3.69	9.01	10.03	10	24	27
2021-10-03 21:00	3.07	3.66	7.73	8.74	10	20	23
2021-10-03 22:00	3.27	3.99	9.14	9.96	11	24	26
2021-10-03 23:00	3.47	4.24	9.7	11.13	11	26	29
2021-10-04 00:00	3.64	4.42	9.88	11.04	12	26	29
2021-10-04 01:00	3.79	4.6	10.29	11.09	12	27	29
2021-10-04 02:00	3.96	5	11.54	12.27	13	31	33
2021-10-04 03:00	4.16	5.3	11.75	13.05	14	31	35
2021-10-04 04:00	4.21	5.39	12.2	13.03	14	32	35
2021-10-04 05:00	4.1	5.11	10.75	11.98	14	28	32
2021-10-04 06:00	3.89	4.78	10.28	11.1	13	27	29
2021-10-04 07:00	3.83	4.69	10.64	12.12	12	28	32
2021-10-04 08:00	3.56	4.21	8.36	9.94	11	22	26
2021-10-04 09:00	3.89	4.53	8.27	10.33	12	22	27
2021-10-04 10:00	4.93	5.8	10.25	15.82	15	27	42
2021-10-04 11:00	5.39	6.32	11.06	16.94	17	29	45
2021-10-04 12:00	7.6	8.88	15.03	24	24	40	64
2021-10-04 13:00	7.59	8.86	14.77	21.51	23	39	57
2021-10-04 14:00	8.35	9.68	15.6	22.35	26	41	59
2021-10-04 15:00	9.73	11.17	16.97	23.91	30	45	63
2021-10-04 16:00	11.32	12.96	19.19	25.59	34	51	68
2021-10-04 17:00	13.42	15.46	24.37	29.48	41	65	78
2021-10-04 18:00	14.62	17.02	30.74	37.11	45	81	98
2021-10-04 19:00	15.5	18.45	35.74	43.43	49	95	115
2021-10-04 20:00	14.63	17.62	33.33	39.45	47	88	105
2021-10-04 21:00	13.45	16.44	32.35	36.44	44	86	97
2021-10-04 22:00	14.22	17.21	31.31	34.55	46	83	92
2021-10-04 23:00	13.36	16.54	31.32	34.08	44	83	90
2021-10-05 00:00	13.01	15.88	31.11	34.12	42	82	90
2021-10-05 01:00	12.61	15.34	28.9	32.13	41	77	85
2021-10-05 02:00	12.34	14.84	25.45	27.76	39	67	74
2021-10-05 03:00	12.51	14.89	26.36	28.29	39	70	75
2021-10-05 04:00	13.14	15.39	25.7	27.88	41	68	74
2021-10-05 05:00	13.12	15.36	24.61	26.26	41	65	70
2021-10-05 06:00	13.23	15.3	24.4	25.79	41	65	68
2021-10-05 07:00	14.09	16.09	23.56	24.76	43	62	66
2021-10-05 08:00	13.96	16.83	28.31	33.91	45	75	90
2021-10-05 09:00	11.11	12.42	17.56	20.17	33	47	53
2021-10-05 10:00	12	13.41	18.63	21.91	36	49	58
2021-10-05 11:00	15.15	16.84	22.63	25.84	45	60	68
2021-10-05 12:00	14.46	16.23	22.89	29.35	43	61	78
2021-10-05 13:00	13.07	14.83	22.09	28.55	39	59	76
2021-10-05 14:00	11.23	12.85	19.46	26.33	34	52	70
2021-10-05 15:00	10.33	11.95	18.57	25.29	32	49	67

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-05 16:00	9.63	11.05	16.63	21.96	29	44	58
2021-10-05 17:00	8.63	9.89	15.02	18.49	26	40	49
2021-10-05 18:00	8.98	10.27	15.91	18.83	27	42	50
2021-10-05 19:00	9.2	10.93	21.5	28.02	29	57	74
2021-10-05 20:00	10.3	11.89	18.94	21.22	32	50	56
2021-10-05 21:00	10.62	12.18	18.93	21.9	32	50	58
2021-10-05 22:00	10.67	12.19	18.6	21.32	32	49	56
2021-10-05 23:00	11.09	12.7	19.6	22.42	34	52	59
2021-10-06 00:00	11.28	12.91	20.05	23.39	34	53	62
2021-10-06 01:00	10.34	11.86	18.57	21.8	31	49	58
2021-10-06 02:00	9.91	11.34	17.83	20.42	30	47	54
2021-10-06 03:00	9.67	10.97	16.91	18.75	29	45	50
2021-10-06 04:00	9.51	10.74	16.17	17.52	28	43	46
2021-10-06 05:00	9.56	10.7	15.73	18.2	28	42	48
2021-10-06 06:00	9.31	10.37	14.76	16.95	27	39	45
2021-10-06 07:00	8.49	9.45	13.51	16.74	25	36	44
2021-10-06 08:00	7.99	8.85	12.67	16.13	23	34	43
2021-10-06 09:00	7.19	8.09	12.12	16.59	21	32	44
2021-10-06 10:00	6.4	7.39	12.17	18.42	20	32	49
2021-10-06 11:00	5.82	6.92	12.24	19.07	18	32	51
2021-10-06 12:00	5.7	6.86	12.46	18.06	18	33	48
2021-10-06 13:00	5.08	6.34	12.17	18.59	17	32	49
2021-10-06 14:00	4.86	6.16	11.92	18.4	16	32	49
2021-10-06 15:00	4.55	5.89	11.76	18.12	16	31	48
2021-10-06 16:00	4.46	5.87	11.98	17.68	16	32	47
2021-10-06 17:00	4.49	5.93	11.98	16.57	16	32	44
2021-10-06 18:00	4.15	5.56	11.53	15.43	15	31	41
2021-10-06 19:00	3.69	5.04	10.72	14.6	13	28	39
2021-10-06 20:00	3.13	4.48	10.52	13.35	12	28	35
2021-10-06 21:00	2.72	3.95	9.5	13.14	10	25	35
2021-10-06 22:00	2.58	3.71	8.73	11.55	10	23	31
2021-10-06 23:00	2.64	3.79	8.66	11.4	10	23	30
2021-10-07 00:00	2.63	3.78	8.42	10.95	10	22	29
2021-10-07 01:00	2.58	3.75	8.41	10.57	10	22	28
2021-10-07 02:00	2.6	3.78	8.33	10.71	10	22	28
2021-10-07 03:00	2.58	3.76	8.24	10.3	10	22	27
2021-10-07 04:00	2.56	3.72	7.98	9.81	10	21	26
2021-10-07 05:00	2.53	3.72	7.89	9.56	10	21	25
2021-10-07 06:00	2.78	3.72	7.13	8.09	10	19	21
2021-10-07 07:00	3.04	3.84	6.72	7.88	10	18	21
2021-10-07 08:00	3.39	4.11	6.88	8.12	11	18	22
2021-10-07 09:00	3.72	4.46	7.59	9.9	12	20	26
2021-10-07 10:00	3.83	4.62	8.25	11.69	12	22	31
2021-10-07 11:00	3.51	4.3	7.62	10.5	11	20	28
2021-10-07 12:00	3.5	4.19	7.02	9.84	11	19	26
2021-10-07 13:00	2.94	3.63	6.48	9.02	10	17	24
2021-10-07 14:00	2.87	3.51	6.04	8.3	9	16	22
2021-10-07 15:00	2.99	3.68	6.41	8.9	10	17	24
2021-10-07 16:00	3.03	3.78	6.55	9.42	10	17	25
2021-10-07 17:00	3.2	3.99	6.96	8.79	11	18	23
2021-10-07 18:00	3.45	4.35	7.79	9.56	12	21	25

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-07 19:00	3.71	4.74	8.65	11.48	13	23	30
2021-10-07 20:00	3.83	5.29	10.67	13.02	14	28	34
2021-10-07 21:00	3.9	5.48	12.04	14.58	15	32	39
2021-10-07 22:00	4.01	5.87	13.19	15.59	16	35	41
2021-10-07 23:00	4.38	6.19	12.75	14.27	16	34	38
2021-10-08 00:00	4.66	6.57	12.54	13.98	17	33	37
2021-10-08 01:00	4.96	6.37	11.3	12.97	17	30	34
2021-10-08 02:00	5.26	6.26	10.11	11.16	17	27	30
2021-10-08 03:00	5.36	6.23	9.43	10.59	17	25	28
2021-10-08 04:00	5.23	6.23	9.73	10.92	17	26	29
2021-10-08 05:00	5.21	6.15	9.69	10.94	16	26	29
2021-10-08 06:00	5.16	5.96	9.15	10.34	16	24	27
2021-10-08 07:00	5.04	5.84	9.1	9.82	15	24	26
2021-10-08 08:00	4.92	5.65	8.68	10.12	15	23	27
2021-10-08 09:00	4.47	5.2	8.43	10.73	14	22	28
2021-10-08 10:00	4.29	5.05	8.66	12.25	13	23	32
2021-10-08 11:00	4.9	5.77	10.28	14.73	15	27	39
2021-10-08 12:00	5.09	5.99	10.18	14.25	16	27	38
2021-10-08 13:00	4.58	5.4	9.13	12.63	14	24	33
2021-10-08 14:00	4.11	4.79	7.69	9.51	13	20	25
2021-10-08 15:00	4.63	5.6	9.33	12.8	15	25	34
2021-10-08 16:00	3.76	4.33	6.56	7.77	11	17	21
2021-10-08 17:00	2.61	3.44	6.75	8.42	9	18	22
2021-10-08 18:00	2.23	3.2	6.26	7.41	8	17	20
2021-10-08 19:00	3.23	4.31	7.28	8.31	11	19	22
2021-10-08 20:00	3.82	5.61	10.62	12.02	15	28	32
2021-10-08 21:00	3.26	6.57	15.69	16.41	17	42	43
2021-10-08 22:00	2.03	2.89	5.99	6.9	8	16	18
2021-10-08 23:00	1.43	2.1	5.18	5.75	6	14	15
2021-10-09 00:00	0.98	1.52	4.32	5.18	4	11	14
2021-10-09 01:00	0.81	1.25	3.89	5.28	3	10	14
2021-10-09 02:00	0.63	1	3.62	5.91	3	10	16
2021-10-09 03:00	0.32	0.68	2.96	3.35	2	8	9
2021-10-09 04:00	0.29	0.7	3.13	3.42	2	8	9
2021-10-09 05:00	0.34	0.69	2.77	3.39	2	7	9
2021-10-09 06:00	0.31	0.63	2.56	2.7	2	7	7
2021-10-09 07:00	0.38	0.67	2.43	3.14	2	6	8
2021-10-09 08:00	0.45	0.65	1.93	3.85	2	5	10
2021-10-09 09:00	0.49	0.71	1.89	3.37	2	5	9
2021-10-09 10:00	0.44	0.69	1.98	2.55	2	5	7
2021-10-09 11:00	0.27	0.44	1.55	2.17	1	4	6
2021-10-09 12:00	0.33	0.58	2.18	3.67	2	6	10
2021-10-09 13:00	0.2	0.37	1.52	2.86	1	4	8
2021-10-09 14:00	0.18	0.36	1.83	3.45	1	5	9
2021-10-09 15:00	0.18	0.39	2.02	3.51	1	5	9
2021-10-09 16:00	0.25	0.5	2.19	3.05	1	6	8
2021-10-09 17:00	0.21	0.43	1.77	2.29	1	5	6
2021-10-09 18:00	0.2	0.46	2.07	2.54	1	5	7
2021-10-09 19:00	0.28	0.56	2.42	2.96	1	6	8
2021-10-09 20:00	0.29	0.71	3.3	4.16	2	9	11
2021-10-09 21:00	0.37	0.7	2.97	4.46	2	8	12

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-09 22:00	0.63	1.06	3.85	4.33	3	10	11
2021-10-09 23:00	0.59	0.88	2.97	5.03	2	8	13
2021-10-10 00:00	0.54	0.84	2.91	4.05	2	8	11
2021-10-10 01:00	0.38	0.72	3.07	3.6	2	8	10
2021-10-10 02:00	0.27	0.53	2.39	2.76	1	6	7
2021-10-10 03:00	0.23	0.47	2.08	4.37	1	6	12
2021-10-10 04:00	0.18	0.38	2.51	14.67	1	7	39
2021-10-10 05:00	0.35	0.57	2.75	14.21	2	7	38
2021-10-10 06:00	0.64	0.91	2.87	10.27	2	8	27
2021-10-10 07:00	0.86	1.15	3.08	6.64	3	8	18
2021-10-10 08:00	5.32	6.02	8.73	23.02	16	23	61
2021-10-10 09:00	0.56	0.75	2.7	17.64	2	7	47
2021-10-10 10:00	0.88	1.1	2.46	6.87	3	7	18
2021-10-10 11:00	1.43	1.63	3.13	12.17	4	8	32
2021-10-10 12:00	2.44	2.73	4.54	9.74	7	12	26
2021-10-10 13:00	3.09	3.51	5.59	9.47	9	15	25
2021-10-10 14:00	2.76	3.28	5.47	6.1	9	14	16
2021-10-10 15:00	3.69	4.49	7.1	8.11	12	19	21
2021-10-10 16:00	2.09	2.64	4.74	5.17	7	13	14
2021-10-10 17:00	2.32	2.89	5.19	5.84	8	14	15
2021-10-10 18:00	2.79	3.48	6.06	6.87	9	16	18
2021-10-10 19:00	2.01	2.7	5.37	6.12	7	14	16
2021-10-10 20:00	1.73	2.47	5.38	5.96	7	14	16
2021-10-10 21:00	1.72	2.61	6.01	7.01	7	16	19
2021-10-10 22:00	1.5	2.29	5.38	5.72	6	14	15
2021-10-10 23:00	1.33	2.17	5.27	5.61	6	14	15
2021-10-11 00:00	1.18	2.02	5.18	5.41	5	14	14
2021-10-11 01:00	1.66	2.63	6.2	6.82	7	16	18
2021-10-11 02:00	2.23	3.41	7.82	8.44	9	21	22
2021-10-11 03:00	1.84	2.84	6.61	7.04	8	18	19
2021-10-11 04:00	1.69	2.59	5.97	6.29	7	16	17
2021-10-11 05:00	1.49	2.23	5.5	5.9	6	15	16
2021-10-11 06:00	1	1.49	4.03	4.22	4	11	11
2021-10-11 07:00	0.62	1.08	3.51	4.56	3	9	12
2021-10-11 08:00	0.64	1.14	3.99	4.75	3	11	13
2021-10-11 09:00	1.44	1.93	3.96	4.67	5	10	12
2021-10-11 10:00	1.64	2.07	3.97	6.13	5	11	16
2021-10-11 11:00	1.04	1.38	2.7	2.99	4	7	8
2021-10-11 12:00	1.22	1.57	3.01	3.44	4	8	9
2021-10-11 13:00	1.21	1.62	3.36	4.32	4	9	11
2021-10-11 14:00	1.43	1.87	3.51	4.03	5	9	11
2021-10-11 15:00	0.64	0.94	2.23	2.76	2	6	7
2021-10-11 16:00	0.66	1.04	2.79	3.17	3	7	8
2021-10-11 17:00	0.67	1.15	3.15	3.34	3	8	9
2021-10-11 18:00	0.86	1.43	3.65	4.42	4	10	12
2021-10-11 19:00	0.97	1.64	4.09	4.59	4	11	12
2021-10-11 20:00	0.96	1.52	3.73	4.19	4	10	11
2021-10-11 21:00	1.01	1.7	4.36	4.55	5	12	12
2021-10-11 22:00	1.06	3.71	14.25	15.4	10	38	41
2021-10-11 23:00	1.11	3.73	15.35	16.07	10	41	43
2021-10-12 00:00	1.36	2.56	8.12	8.74	7	22	23

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-12 01:00	2.05	2.87	6.64	7.81	8	18	21
2021-10-12 02:00	2.36	3.43	8.38	9.85	9	22	26
2021-10-12 03:00	2.33	4.08	12.81	13.98	11	34	37
2021-10-12 04:00	2.44	4.17	13.17	14.49	11	35	38
2021-10-12 05:00	2.72	4.39	12.72	14.03	12	34	37
2021-10-12 06:00	2.52	4.25	12.13	13.17	11	32	35
2021-10-12 07:00	2.29	3.5	9.24	10.34	9	24	27
2021-10-12 08:00	2.3	3.3	7.94	9.57	9	21	25
2021-10-12 09:00	2.46	3.16	5.78	7.51	8	15	20
2021-10-12 10:00	2.45	3.22	5.95	8.25	9	16	22
2021-10-12 11:00	4.59	5.81	9.8	14.18	15	26	38
2021-10-12 12:00	7.58	9.17	13.46	17.6	24	36	47
2021-10-12 13:00	8.78	10.42	14.29	17.33	28	38	46
2021-10-12 14:00	12.81	14.69	18.15	19.92	39	48	53
2021-10-12 15:00	18.5	20.85	24.28	25.92	55	64	69
2021-10-12 16:00	31.73	35.56	39.34	40.71	94	104	108
2021-10-12 17:00	30.26	34.05	38.21	41.21	90	101	109
2021-10-12 18:00	30.24	34.18	38.66	40.71	91	102	108
2021-10-12 19:00	30.65	34.8	39.79	40.71	92	105	108
2021-10-12 20:00	31.67	35.87	40.33	41.61	95	107	110
2021-10-12 21:00	32.92	37.43	42.71	44.06	99	113	117
2021-10-12 22:00	34.43	39.21	44.72	46.09	104	118	122
2021-10-12 23:00	33.08	37.71	43.66	44.91	100	116	119
2021-10-13 00:00	32.77	37.21	42.6	43.6	99	113	116
2021-10-13 01:00	32.34	36.73	42.25	43.49	97	112	115
2021-10-13 02:00	30.65	34.74	39.77	40.74	92	105	108
2021-10-13 03:00	29.63	33.56	38.77	39.3	89	103	104
2021-10-13 04:00	29.26	33.02	36.62	37.23	87	97	99
2021-10-13 05:00	29.33	33.14	36.45	37.28	88	97	99
2021-10-13 06:00	29.21	32.48	34.96	38.79	86	93	103
2021-10-13 07:00	29.24	32.18	34.07	35.18	85	90	93
2021-10-13 08:00	27.73	30.69	32.92	33.44	81	87	89
2021-10-13 09:00	20.69	22.52	24.26	29.67	60	64	79
2021-10-13 10:00	14.74	15.87	17.06	17.54	42	45	46
2021-10-13 11:00	11.13	12.22	13.9	14.62	32	37	39
2021-10-13 12:00	10.53	11.85	13.2	13.63	31	35	36
2021-10-13 13:00	3.34	3.81	4.66	5.09	10	12	13
2021-10-13 14:00	1.16	1.4	2.18	2.95	4	6	8
2021-10-13 15:00	0.76	1.05	2.07	2.64	3	5	7
2021-10-13 16:00	0.67	0.97	2.03	2.84	3	5	8
2021-10-13 17:00	1.12	1.44	2.32	3.03	4	6	8
2021-10-13 18:00	3.31	4.12	5.55	6.52	11	15	17
2021-10-13 19:00	0.53	1.11	2.45	3.22	3	6	9
2021-10-13 20:00	3.56	3.99	5.16	5.87	11	14	16
2021-10-13 21:00	0.46	0.82	2	2.81	2	5	7
2021-10-13 22:00	0.15	0.33	1.15	1.59	1	3	4
2021-10-13 23:00	0.08	0.25	1.15	1.82	1	3	5
2021-10-14 00:00	0.04	0.15	0.96	1.59	0	3	4
2021-10-14 01:00	0.04	0.14	0.86	1.58	0	2	4
2021-10-14 02:00	0.05	0.15	0.84	1.65	0	2	4
2021-10-14 03:00	0.05	0.15	0.83	1.89	0	2	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-14 04:00	0.06	0.19	0.98	2.41	1	3	6
2021-10-14 05:00	0.22	0.52	1.78	2.4	1	5	6
2021-10-14 06:00	0.39	0.79	2.47	3.29	2	7	9
2021-10-14 07:00	0.52	1.42	5.67	9.98	4	15	26
2021-10-14 08:00	0.48	1.46	6.56	12.26	4	17	32
2021-10-14 09:00	0.47	1.55	7.12	12.97	4	19	34
2021-10-14 10:00	0.48	1.56	6.67	10.31	4	18	27
2021-10-14 11:00	0.43	1.33	5.38	7.97	4	14	21
2021-10-14 12:00	0.42	1.24	4.76	6.15	3	13	16
2021-10-14 13:00	0.37	1.02	3.69	4.65	3	10	12
2021-10-14 14:00	0.35	0.85	2.89	3.23	2	8	9
2021-10-14 15:00	0.32	0.77	2.47	2.62	2	7	7
2021-10-14 16:00	0.36	0.85	2.42	2.61	2	6	7
2021-10-14 17:00	0.4	0.87	2.29	2.53	2	6	7
2021-10-14 18:00	0.35	0.68	1.75	1.89	2	5	5
2021-10-14 19:00	0.24	0.51	1.63	1.72	1	4	5
2021-10-14 20:00	0.15	0.42	1.5	1.6	1	4	4
2021-10-14 21:00	0.13	0.43	1.59	1.64	1	4	4
2021-10-14 22:00	0.14	0.43	1.63	1.73	1	4	5
2021-10-14 23:00	0.13	0.38	1.55	1.6	1	4	4
2021-10-15 00:00	0.12	0.34	1.33	1.48	1	4	4
2021-10-15 01:00	0.14	0.41	1.81	1.86	1	5	5
2021-10-15 02:00	0.09	0.39	1.96	2.21	1	5	6
2021-10-15 03:00	0.07	0.27	1.36	1.45	1	4	4
2021-10-15 04:00	0.12	0.32	1.37	1.56	1	4	4
2021-10-15 05:00	0.1	0.27	1.27	1.6	1	3	4
2021-10-15 06:00	0.09	0.24	1	1.19	1	3	3
2021-10-15 07:00	0.08	0.26	1.3	1.59	1	3	4
2021-10-15 08:00	0.08	0.24	1.08	1.22	1	3	3
2021-10-15 09:00	0.06	0.21	0.9	0.9	1	2	2
2021-10-15 10:00	0.04	0.15	0.68	0.87	0	2	2
2021-10-15 11:00	0.03	0.12	0.61	1.14	0	2	3
2021-10-15 12:00	0.03	0.12	0.62	0.77	0	2	2
2021-10-15 13:00	0.03	0.11	0.6	0.79	0	2	2
2021-10-15 14:00	0.03	0.11	0.58	0.72	0	2	2
2021-10-15 15:00	0.04	0.14	0.69	0.89	0	2	2
2021-10-15 16:00	0.07	0.19	0.92	1.01	1	2	3
2021-10-15 17:00	0.09	0.24	1.03	1.08	1	3	3
2021-10-15 18:00	0.08	0.24	0.97	1.07	1	3	3
2021-10-15 19:00	0.07	0.2	0.84	1.08	1	2	3
2021-10-15 20:00	0.09	0.22	0.93	1.03	1	2	3
2021-10-15 21:00	0.12	0.28	0.91	1.01	1	2	3
2021-10-15 22:00	0.13	0.29	0.91	1.01	1	2	3
2021-10-15 23:00	0.09	0.21	0.78	0.82	1	2	2
2021-10-16 00:00	0.08	0.2	0.71	0.81	1	2	2
2021-10-16 01:00	0.04	0.13	0.59	0.59	0	2	2
2021-10-16 02:00	0.03	0.12	0.58	0.67	0	2	2
2021-10-16 03:00	0.04	0.15	0.69	0.79	0	2	2
2021-10-16 04:00	0.06	0.16	0.66	0.9	0	2	2
2021-10-16 05:00	0.17	0.3	0.89	0.94	1	2	2
2021-10-16 06:00	0.36	0.55	1.33	1.52	1	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-16 07:00	0.49	0.71	1.67	2	2	4	5
2021-10-16 08:00	0.64	0.88	1.79	1.99	2	5	5
2021-10-16 09:00	0.97	1.29	2.3	2.59	3	6	7
2021-10-16 10:00	1.07	1.43	2.6	3.17	4	7	8
2021-10-16 11:00	0.9	1.25	2.4	2.83	3	6	7
2021-10-16 12:00	0.77	1.06	2.15	2.77	3	6	7
2021-10-16 13:00	0.67	0.93	1.88	2.5	2	5	7
2021-10-16 14:00	0.61	0.86	1.72	1.95	2	5	5
2021-10-16 15:00	0.61	0.84	1.73	2.01	2	5	5
2021-10-16 16:00	0.67	0.9	1.86	2.24	2	5	6
2021-10-16 17:00	0.64	0.88	1.9	2.67	2	5	7
2021-10-16 18:00	0.6	0.88	2.2	3.02	2	6	8
2021-10-16 19:00	0.57	1.2	3.98	4.38	3	11	12
2021-10-16 20:00	0.56	0.98	2.95	3.53	3	8	9
2021-10-16 21:00	0.49	0.87	2.53	3.15	2	7	8
2021-10-16 22:00	0.51	0.91	2.76	3.77	2	7	10
2021-10-16 23:00	0.64	1.1	2.95	3.77	3	8	10
2021-10-17 00:00	0.81	1.35	3.25	3.71	4	9	10
2021-10-17 01:00	0.84	1.42	3.37	3.54	4	9	9
2021-10-17 02:00	0.81	1.46	3.74	4.46	4	10	12
2021-10-17 03:00	0.79	1.46	3.95	4.38	4	10	12
2021-10-17 04:00	0.77	1.45	4.12	4.5	4	11	12
2021-10-17 05:00	0.77	1.35	3.5	3.88	4	9	10
2021-10-17 06:00	0.78	1.35	3.46	3.79	4	9	10
2021-10-17 07:00	0.81	1.32	3.25	3.56	3	9	9
2021-10-17 08:00	0.82	1.25	2.63	3.09	3	7	8
2021-10-17 09:00	0.81	1.16	2.26	2.41	3	6	6
2021-10-17 10:00	0.82	1.1	2.13	2.47	3	6	7
2021-10-17 11:00	0.8	1.06	2.09	2.42	3	6	6
2021-10-17 12:00	0.63	0.82	1.61	2.09	2	4	6
2021-10-17 13:00	0.52	0.7	1.41	1.65	2	4	4
2021-10-17 14:00	0.45	0.61	1.19	1.19	2	3	3
2021-10-17 15:00	0.45	0.62	1.18	1.32	2	3	3
2021-10-17 16:00	0.45	0.65	1.51	1.75	2	4	5
2021-10-17 17:00	0.43	0.92	3.15	3.39	2	8	9
2021-10-17 18:00	0.45	0.92	3.16	3.3	2	8	9
2021-10-17 19:00	1.58	2.37	5.63	5.94	6	15	16
2021-10-17 20:00	0.81	1.58	5.34	5.51	4	14	15
2021-10-17 21:00	1.07	1.9	6.11	6.25	5	16	17
2021-10-17 22:00	1.58	2.58	6.84	7.12	7	18	19
2021-10-17 23:00	0.58	1.28	4.8	5.04	3	13	13
2021-10-18 00:00	0.52	1.1	3.89	4.23	3	10	11
2021-10-18 01:00	0.51	0.86	2.36	3.08	2	6	8
2021-10-18 02:00	0.55	0.92	2.67	3.34	2	7	9
2021-10-18 03:00	0.63	1.05	2.92	3.78	3	8	10
2021-10-18 04:00	0.73	1.23	3.35	4.19	3	9	11
2021-10-18 05:00	0.84	1.42	3.56	4.59	4	9	12
2021-10-18 06:00	0.88	1.48	3.71	4.67	4	10	12
2021-10-18 07:00	0.88	1.52	3.77	5.64	4	10	15
2021-10-18 08:00	0.88	1.56	4.01	5.59	4	11	15
2021-10-18 09:00	0.86	1.58	4.4	6.48	4	12	17

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-18 10:00	0.86	1.64	4.6	7.27	4	12	19
2021-10-18 11:00	0.88	1.78	5.03	7.99	5	13	21
2021-10-18 12:00	0.88	1.82	5.2	7.87	5	14	21
2021-10-18 13:00	0.9	1.77	4.59	6.67	5	12	18
2021-10-18 14:00	0.9	1.73	4.34	6.2	5	11	16
2021-10-18 15:00	0.87	1.71	4.49	6.36	5	12	17
2021-10-18 16:00	0.92	1.84	5.32	8.35	5	14	22
2021-10-18 17:00	0.94	1.96	5.78	8.75	5	15	23
2021-10-18 18:00	0.88	2.14	6.95	9.36	6	18	25
2021-10-18 19:00	0.9	2.1	6.83	9.69	6	18	26
2021-10-18 20:00	0.88	2.07	7.63	16.3	5	20	43
2021-10-18 21:00	0.88	2.11	6.97	9.74	6	18	26
2021-10-18 22:00	0.89	2.38	8.12	10.6	6	22	28
2021-10-18 23:00	0.92	2.72	9.75	11.64	7	26	31
2021-10-19 00:00	0.96	2.97	9.98	11.04	8	26	29
2021-10-19 01:00	1.03	2.83	9.47	11.14	7	25	30
2021-10-19 02:00	1.07	2.98	9.66	11.03	8	26	29
2021-10-19 03:00	1.1	2.82	9.04	10.01	7	24	27
2021-10-19 04:00	1.2	2.91	9.33	11.43	8	25	30
2021-10-19 05:00	1.25	2.99	9.67	11.6	8	26	31
2021-10-19 06:00	1.37	2.7	7.54	10.12	7	20	27
2021-10-19 07:00	1.3	2.13	4.42	5.43	6	12	14
2021-10-19 08:00	1.34	1.75	3	4.2	5	8	11
2021-10-19 09:00	0.81	1.13	1.9	2.76	3	5	7
2021-10-19 10:00	0.51	0.91	2.21	4.9	2	6	13
2021-10-19 11:00	0.24	0.37	1	2.1	1	3	6
2021-10-19 12:00	0.23	0.31	0.93	2.37	1	2	6
2021-10-19 13:00	0.18	0.26	0.87	2.35	1	2	6
2021-10-19 14:00	0.22	0.3	0.9	2.39	1	2	6
2021-10-19 15:00	1.2	1.38	2.08	3.71	4	6	10
2021-10-19 16:00	0.3	0.4	1.07	2.8	1	3	7
2021-10-19 17:00	0.27	0.37	0.78	1.64	1	2	4
2021-10-19 18:00	0.27	0.38	0.84	1.61	1	2	4
2021-10-19 19:00	0.26	0.36	0.82	1.06	1	2	3
2021-10-19 20:00	0.18	0.29	0.86	1.05	1	2	3
2021-10-19 21:00	0.25	0.34	0.78	1.02	1	2	3
2021-10-19 22:00	0.2	0.3	0.71	0.76	1	2	2
2021-10-19 23:00	0.18	0.27	0.66	0.85	1	2	2
2021-10-20 00:00	0.26	0.35	0.72	0.81	1	2	2
2021-10-20 01:00	0.26	0.36	0.68	0.78	1	2	2
2021-10-20 02:00	0.31	0.39	0.67	0.86	1	2	2
2021-10-20 03:00	0.33	0.41	0.68	0.87	1	2	2
2021-10-20 04:00	0.42	0.51	0.77	0.86	1	2	2
2021-10-20 05:00	0.38	0.48	0.76	0.86	1	2	2
2021-10-20 06:00	0.39	0.49	0.72	0.77	1	2	2
2021-10-20 07:00	0.44	0.56	1.07	1.98	1	3	5
2021-10-20 08:00	0.46	0.56	0.83	1.12	1	2	3
2021-10-20 09:00	0.48	0.58	0.86	1.58	2	2	4
2021-10-20 10:00	1.03	1.13	1.41	2.08	3	4	6
2021-10-20 11:00	0.4	0.49	0.77	1.49	1	2	4
2021-10-20 12:00	0.33	0.41	0.68	1.35	1	2	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-20 13:00	0.38	0.48	1.23	4.34	1	3	11
2021-10-20 14:00	0.38	0.46	0.7	0.85	1	2	2
2021-10-20 15:00	0.24	0.3	0.48	0.63	1	1	2
2021-10-20 16:00	0.24	0.36	1.81	8.56	1	5	23
2021-10-20 17:00	0.25	0.33	0.66	1.53	1	2	4
2021-10-20 18:00	0.24	0.32	0.6	0.79	1	2	2
2021-10-20 19:00	0.23	0.31	0.55	0.89	1	1	2
2021-10-20 20:00	0.27	0.35	0.59	0.74	1	2	2
2021-10-20 21:00	0.29	0.37	0.66	0.75	1	2	2
2021-10-20 22:00	0.27	0.36	0.63	0.68	1	2	2
2021-10-20 23:00	0.26	0.34	0.65	0.89	1	2	2
2021-10-21 00:00	0.36	0.45	0.71	0.81	1	2	2
2021-10-21 01:00	0.45	0.55	0.83	0.97	1	2	3
2021-10-21 02:00	0.37	0.46	0.7	0.9	1	2	2
2021-10-21 03:00	0.45	0.53	0.75	0.94	1	2	2
2021-10-21 04:00	0.43	0.5	0.64	0.73	1	2	2
2021-10-21 05:00	0.34	0.4	0.58	0.62	1	2	2
2021-10-21 06:00	0.28	0.34	0.48	0.53	1	1	1
2021-10-21 07:00	0.2	0.24	0.36	0.55	1	1	1
2021-10-21 08:00	0.26	0.34	0.5	0.88	1	1	2
2021-10-21 09:00	0.19	0.24	0.34	0.49	1	1	1
2021-10-21 10:00	0.24	0.33	3.16	23.37	1	8	62
2021-10-21 11:00	0.21	0.28	0.46	0.99	1	1	3
2021-10-21 12:00	0.16	0.22	0.34	1.16	1	1	3
2021-10-21 13:00	0.12	0.17	0.28	0.37	0	1	1
2021-10-21 14:00	0.11	0.16	0.26	0.4	0	1	1
2021-10-21 15:00	0.11	0.15	0.25	0.49	0	1	1
2021-10-21 16:00	0.18	0.23	0.34	0.57	1	1	2
2021-10-21 17:00	0.14	0.18	0.29	0.58	0	1	2
2021-10-21 18:00	0.18	0.23	0.33	0.38	1	1	1
2021-10-21 19:00	0.2	0.27	0.38	0.52	1	1	1
2021-10-21 20:00	0.31	0.41	0.55	0.6	1	1	2
2021-10-21 21:00	0.33	0.44	0.58	0.63	1	2	2
2021-10-21 22:00	0.31	0.43	0.6	0.64	1	2	2
2021-10-21 23:00	0.31	0.42	0.58	0.58	1	2	2
2021-10-22 00:00	0.27	0.35	0.46	0.7	1	1	2
2021-10-22 01:00	0.22	0.28	0.38	0.47	1	1	1
2021-10-22 02:00	0.24	0.29	0.38	0.48	1	1	1
2021-10-22 03:00	0.21	0.26	0.33	0.38	1	1	1
2021-10-22 04:00	0.23	0.26	0.33	0.33	1	1	1
2021-10-22 05:00	0.24	0.27	0.34	0.44	1	1	1
2021-10-22 06:00	0.21	0.23	0.3	0.44	1	1	1
2021-10-22 07:00	0.2	0.21	0.34	0.77	1	1	2
2021-10-22 08:00	0.21	0.23	0.31	0.64	1	1	2
2021-10-22 09:00	0.26	0.3	0.37	0.61	1	1	2
2021-10-22 10:00	0.25	0.27	0.33	0.48	1	1	1
2021-10-22 11:00	0.23	0.24	0.31	0.55	1	1	1
2021-10-22 12:00	0.18	0.2	0.29	0.72	1	1	2
2021-10-22 13:00	0.17	0.2	0.3	0.39	1	1	1
2021-10-22 14:00	0.19	0.22	0.4	0.54	1	1	1
2021-10-22 15:00	0.51	0.57	0.68	0.73	2	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-22 16:00	0.55	0.61	0.76	0.91	2	2	2
2021-10-22 17:00	0.24	0.3	0.53	0.77	1	1	2
2021-10-22 18:00	0.23	0.29	0.49	0.54	1	1	1
2021-10-22 19:00	0.29	0.33	0.51	0.51	1	1	1
2021-10-22 20:00	0.36	0.41	0.63	0.68	1	2	2
2021-10-22 21:00	0.31	0.34	0.49	0.49	1	1	1
2021-10-22 22:00	0.34	0.38	0.54	0.54	1	1	1
2021-10-22 23:00	0.23	0.26	0.43	0.43	1	1	1
2021-10-23 00:00	0.16	0.19	0.31	0.45	1	1	1
2021-10-23 01:00	0.17	0.19	0.31	0.5	1	1	1
2021-10-23 02:00	0.14	0.16	0.25	0.25	0	1	1
2021-10-23 03:00	0.08	0.1	0.21	0.21	0	1	1
2021-10-23 04:00	0.05	0.07	0.18	0.18	0	0	0
2021-10-23 05:00	0.05	0.06	0.16	0.16	0	0	0
2021-10-23 06:00	0.15	0.17	0.25	0.25	0	1	1
2021-10-23 07:00	0.21	0.23	0.35	0.45	1	1	1
2021-10-23 08:00	0.28	0.3	0.4	0.44	1	1	1
2021-10-23 09:00	0.25	0.27	0.35	0.4	1	1	1
2021-10-23 10:00	0.22	0.24	0.31	0.41	1	1	1
2021-10-23 11:00	0.15	0.17	0.26	0.35	0	1	1
2021-10-23 12:00	0.13	0.15	0.25	0.39	0	1	1
2021-10-23 13:00	0.09	0.12	0.26	0.4	0	1	1
2021-10-23 14:00	0.07	0.1	0.21	0.3	0	1	1
2021-10-23 15:00	0.08	0.1	0.22	0.32	0	1	1
2021-10-23 16:00	0.09	0.11	0.26	0.4	0	1	1
2021-10-23 17:00	0.16	0.2	0.41	0.56	1	1	1
2021-10-23 18:00	0.23	0.27	0.42	0.42	1	1	1
2021-10-23 19:00	0.29	0.33	0.52	0.57	1	1	2
2021-10-23 20:00	0.29	0.33	0.52	0.52	1	1	1
2021-10-23 21:00	0.31	0.35	0.54	0.54	1	1	1
2021-10-23 22:00	0.29	0.34	0.5	0.5	1	1	1
2021-10-23 23:00	0.18	0.22	0.37	0.42	1	1	1
2021-10-24 00:00	0.24	0.28	0.43	0.48	1	1	1
2021-10-24 01:00	0.18	0.23	0.47	0.47	1	1	1
2021-10-24 02:00	0.18	0.22	0.41	0.41	1	1	1
2021-10-24 03:00	0.24	0.3	0.48	0.48	1	1	1
2021-10-24 04:00	0.24	0.33	0.54	0.54	1	1	1
2021-10-24 05:00	0.34	0.46	0.66	0.76	1	2	2
2021-10-24 06:00	0.34	0.47	0.68	0.68	1	2	2
2021-10-24 07:00	0.34	0.44	0.69	0.93	1	2	2
2021-10-24 08:00	0.38	0.5	0.72	1.06	1	2	3
2021-10-24 09:00	0.37	0.47	0.64	0.68	1	2	2
2021-10-24 10:00	0.29	0.39	0.61	0.84	1	2	2
2021-10-24 11:00	0.19	0.28	0.41	0.46	1	1	1
2021-10-24 12:00	0.14	0.2	0.29	0.34	1	1	1
2021-10-24 13:00	0.11	0.15	0.24	0.33	0	1	1
2021-10-24 14:00	0.11	0.16	0.26	0.26	0	1	1
2021-10-24 15:00	0.09	0.15	0.28	0.28	0	1	1
2021-10-24 16:00	0.27	0.38	0.56	0.56	1	1	1
2021-10-24 17:00	0.5	0.61	0.83	1.16	2	2	3
2021-10-24 18:00	0.32	0.42	0.66	1	1	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-24 19:00	4.03	4.53	4.97	5.07	12	13	13
2021-10-24 20:00	5.82	7.83	8.57	8.76	21	23	23
2021-10-24 21:00	6.14	7.92	8.6	8.65	21	23	23
2021-10-24 22:00	0.51	0.67	0.83	0.88	2	2	2
2021-10-24 23:00	0.15	0.22	0.4	0.43	1	1	1
2021-10-25 00:00	0.3	0.44	0.64	0.65	1	2	2
2021-10-25 01:00	0.63	1.15	1.66	1.71	3	4	5
2021-10-25 02:00	0.49	0.77	1.27	1.32	2	3	3
2021-10-25 03:00	0.15	0.26	0.73	0.73	1	2	2
2021-10-25 04:00	0.2	0.31	0.72	0.76	1	2	2
2021-10-25 05:00	0.28	0.39	0.81	0.81	1	2	2
2021-10-25 06:00	0.41	0.54	1.1	2.97	1	3	8
2021-10-25 07:00	0.05	0.09	2	19	0	5	50
2021-10-25 08:00	0.1	0.14	2.8	35.51	0	7	94
2021-10-25 09:00	0.07	0.11	1.97	24.93	0	5	66
2021-10-25 10:00	0.12	0.16	0.48	3.23	0	1	9
2021-10-25 11:00	0.07	0.09	0.18	0.77	0	0	2
2021-10-25 12:00	0.04	0.06	0.11	0.26	0	0	1
2021-10-25 13:00	0.04	0.06	0.11	0.21	0	0	1
2021-10-25 14:00	0.03	0.04	0.09	0.09	0	0	0
2021-10-25 15:00	0.04	0.06	0.13	0.22	0	0	1
2021-10-25 16:00	0.04	0.05	0.12	0.21	0	0	1
2021-10-25 17:00	0.04	0.06	0.11	0.11	0	0	0
2021-10-25 18:00	0.04	0.06	0.11	0.11	0	0	0
2021-10-25 19:00	0.04	0.07	0.13	0.18	0	0	0
2021-10-25 20:00	0.05	0.08	0.18	0.32	0	0	1
2021-10-25 21:00	0.12	0.19	0.3	0.34	1	1	1
2021-10-25 22:00	0.05	0.08	0.17	0.17	0	0	0
2021-10-25 23:00	0.06	0.1	0.22	0.27	0	1	1
2021-10-26 00:00	0.06	0.11	0.24	0.33	0	1	1
2021-10-26 01:00	0.06	0.11	0.27	0.27	0	1	1
2021-10-26 02:00	0.07	0.12	0.27	0.32	0	1	1
2021-10-26 03:00	0.06	0.11	0.27	0.27	0	1	1
2021-10-26 04:00	0.05	0.1	0.27	0.37	0	1	1
2021-10-26 05:00	0.05	0.1	0.27	0.32	0	1	1
2021-10-26 06:00	0.05	0.1	0.28	0.33	0	1	1
2021-10-26 07:00	0.06	0.12	0.34	0.53	0	1	1
2021-10-26 08:00	0.08	0.15	0.39	0.44	0	1	1
2021-10-26 09:00	0.1	0.17	0.41	0.49	0	1	1
2021-10-26 10:00	0.11	0.18	0.37	0.42	0	1	1
2021-10-26 11:00	0.13	0.19	0.4	0.5	1	1	1
2021-10-26 12:00	0.14	0.21	0.45	0.74	1	1	2
2021-10-26 13:00	0.12	0.18	0.39	0.63	0	1	2
2021-10-26 14:00	0.12	0.18	0.44	0.97	0	1	3
2021-10-26 15:00	0.12	0.18	0.41	0.79	0	1	2
2021-10-26 16:00	0.09	0.15	0.44	0.73	0	1	2
2021-10-26 17:00	0.07	0.13	0.37	0.52	0	1	1
2021-10-26 18:00	0.06	0.12	0.4	0.4	0	1	1
2021-10-26 19:00	0.09	0.17	0.43	0.59	0	1	2
2021-10-26 20:00	0.1	0.19	0.45	0.67	1	1	2
2021-10-26 21:00	0.11	0.2	0.53	0.63	1	1	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2021-10-26 22:00	0.11	0.2	0.52	0.85	1	1	2
2021-10-26 23:00	0.1	0.19	0.55	0.79	1	1	2
2021-10-27 00:00	0.1	0.19	0.53	0.73	1	1	2
2021-10-27 01:00	0.11	0.19	0.53	0.82	1	1	2
2021-10-27 02:00	0.13	0.22	0.61	0.85	1	2	2
2021-10-27 03:00	0.14	0.23	0.57	0.81	1	2	2
2021-10-27 04:00	0.18	0.26	0.58	0.96	1	2	3
2021-10-27 05:00	0.24	0.32	0.6	0.65	1	2	2
2021-10-27 06:00	0.27	0.35	0.58	0.77	1	2	2
2021-10-27 07:00	0.26	0.35	0.55	0.55	1	1	1
2021-10-27 08:00	0.24	0.32	0.52	0.62	1	1	2
2021-10-27 09:00	0.22	0.29	0.51	0.61	1	1	2
2021-10-27 10:00	0.21	0.28	0.54	0.69	1	1	2
2021-10-27 11:00	0.21	0.29	0.54	0.8	1	1	2
2021-10-27 12:00	0.22	0.32	0.61	0.93	1	2	2
2021-10-27 13:00	0.23	0.34	0.69	1.36	1	2	4
2021-10-27 14:00	0.24	0.36	0.69	0.84	1	2	2
2021-10-27 15:00	0.24	0.37	0.72	0.98	1	2	3
2021-10-27 16:00	0.23	0.36	0.73	1.15	1	2	3
2021-10-27 17:00	0.25	0.41	0.87	1.31	1	2	3
2021-10-27 18:00	0.25	0.44	0.93	1.12	1	2	3
2021-10-27 19:00	0.23	0.41	0.92	1.21	1	2	3
2021-10-27 20:00	0.25	0.42	0.89	1.09	1	2	3
2021-10-27 21:00	0.3	0.5	1	1.09	1	3	3
2021-10-27 22:00	0.32	0.55	1.19	1.33	1	3	4
2021-10-27 23:00	0.14	0.24	0.5	0.54	1	1	1
2021-10-28 00:00	0.02	0.04	0.05	0.05	0	0	0
2021-10-28 01:00	0.02	0.04	0.07	0.07	0	0	0
2021-10-28 02:00	0.02	0.03	0.05	0.05	0	0	0
2021-10-28 03:00	0.02	0.04	0.06	0.11	0	0	0
2021-10-28 04:00	0.02	0.03	0.06	0.1	0	0	0
2021-10-28 05:00	0.02	0.03	0.05	0.05	0	0	0
2021-10-28 06:00	0.02	0.03	0.04	0.04	0	0	0
2021-10-28 07:00	0.02	0.03	0.05	0.05	0	0	0
2021-10-28 08:00	0.02	0.03	0.06	0.06	0	0	0
2021-10-28 09:00	0.02	0.04	0.09	0.43	0	0	1
2021-10-28 10:00	0.02	0.03	0.04	0.04	0	0	0
2021-12-28 03:00	0	0	0	0	0	0	0
2021-12-29 05:00	0.01	0.03	0.03	0.03	0	0	0
2022-01-22 02:00	0.01	0.03	0.03	0.03	0	0	0
2022-01-22 03:00	0.01	0.03	0.03	0.03	0	0	0
2022-01-25 17:00	1.07	1.66	2.46	3.31	3	4	5
2022-01-25 18:00	1.08	1.81	4.76	8.68	3	7	14
2022-01-25 19:00	1.02	1.68	3.28	4.17	3	5	7
2022-01-25 20:00	0.86	1.7	4.93	5.94	3	8	9
2022-01-26 11:00	1.32	1.86	3.14	3.81	3	5	6
2022-01-26 12:00	1.52	2.01	3.26	4.55	3	5	7
2022-01-26 13:00	1.65	2.15	3.47	4.57	3	5	7
2022-01-26 14:00	1.74	2.24	3.61	4.52	4	6	7
2022-01-26 15:00	1.65	2.15	3.26	4.8	3	5	8
2022-01-26 16:00	1.64	2.28	4.04	5.24	4	6	8

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-01-26 17:00	1.49	2.01	3.08	4.14	3	5	7
2022-01-26 18:00	1.38	2.21	4.83	7.32	3	8	12
2022-01-26 19:00	1.31	2.08	3.83	4.55	3	6	7
2022-01-26 20:00	1.44	1.97	2.58	2.82	3	4	4
2022-01-26 21:00	1.52	1.95	2.48	2.48	3	4	4
2022-01-27 12:00	1.61	2.2	3.34	4.41	3	5	7
2022-01-27 13:00	1.61	2.07	2.86	3.24	3	4	5
2022-01-27 14:00	1.91	2.54	4.71	7.54	4	7	12
2022-01-27 15:00	1.91	2.48	4.26	5.63	4	7	9
2022-01-27 20:00	1.32	1.78	2.62	3.11	3	4	5
2022-01-27 21:00	1.31	1.73	2.3	2.3	3	4	4
2022-01-28 13:00	1.17	1.41	1.78	1.78	2	3	3
2022-01-28 14:00	1.27	1.73	3.48	3.96	3	5	6
2022-01-28 15:00	1.45	1.84	2.67	3.08	3	4	5
2022-02-03 17:00	1.14	1.91	2.14	2.27	3	3	4
2022-02-03 18:00	1.16	1.88	2.07	2.12	3	3	3
2022-02-03 19:00	1.33	2.13	2.35	2.4	3	4	4
2022-02-03 20:00	1.39	2.21	2.45	2.45	3	4	4
2022-02-03 21:00	1.34	2.1	2.31	2.31	3	4	4
2022-02-03 22:00	1.23	1.86	2.03	2.03	3	3	3
2022-02-03 23:00	1.21	1.79	1.95	2	3	3	3
2022-02-04 00:00	1.27	1.87	2.02	2.02	3	3	3
2022-02-04 01:00	1.69	2.48	2.65	2.65	4	4	4
2022-02-04 02:00	1.32	1.94	2.07	2.12	3	3	3
2022-02-04 03:00	1.73	2.55	2.74	2.74	4	4	4
2022-02-04 04:00	17.14	26.25	30.03	30.03	41	47	47
2022-02-04 05:00	8.16	12.23	13.37	13.37	19	21	21
2022-02-04 06:00	14.53	18.96	20.09	20.09	30	32	32
2022-02-04 07:00	11.73	16.8	17.99	17.99	26	28	28
2022-02-04 08:00	4.41	7.38	8.02	8.07	12	13	13
2022-02-04 09:00	3.25	5.19	5.58	5.63	8	9	9
2022-02-04 10:00	2.21	3.49	3.78	3.78	5	6	6
2022-02-04 11:00	1.62	2.37	2.58	2.63	4	4	4
2022-02-04 12:00	3	4.35	4.73	4.73	7	7	7
2022-02-04 13:00	3.24	4.61	5.01	5.01	7	8	8
2022-02-04 14:00	3.4	4.76	5.15	5.15	7	8	8
2022-02-04 15:00	3.47	4.77	5.19	5.29	8	8	8
2022-02-04 16:00	2.9	3.97	4.3	4.35	6	7	7
2022-02-04 17:00	2.66	3.66	3.93	3.98	6	6	6
2022-02-04 18:00	2.43	3.32	3.55	3.55	5	6	6
2022-02-04 19:00	2.26	3.08	3.28	3.28	5	5	5
2022-02-04 20:00	2.14	2.87	3.02	3.02	5	5	5
2022-02-04 21:00	1.85	2.47	2.58	2.58	4	4	4
2022-02-04 22:00	1.93	2.54	2.64	2.64	4	4	4
2022-02-04 23:00	1.76	2.32	2.41	2.41	4	4	4
2022-02-05 00:00	1.51	2	2.08	2.08	3	3	3
2022-02-05 01:00	1.57	2.05	2.14	2.14	3	3	3
2022-02-05 02:00	1.99	2.51	2.62	2.62	4	4	4
2022-02-05 03:00	1.45	1.89	1.97	1.97	3	3	3
2022-02-05 04:00	1.46	1.92	1.99	1.99	3	3	3
2022-02-05 05:00	1.53	2	2.09	2.09	3	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-05 06:00	1.61	2.11	2.21	2.21	3	3	3
2022-02-05 07:00	1.9	2.49	2.61	2.61	4	4	4
2022-02-05 08:00	2.04	2.77	2.96	3.01	4	5	5
2022-02-05 09:00	2.47	3.41	3.68	3.82	5	6	6
2022-02-05 10:00	2.51	3.46	3.76	4.04	5	6	6
2022-02-05 11:00	2.2	3.07	3.31	3.45	5	5	5
2022-02-05 12:00	2.02	2.84	3.06	3.16	4	5	5
2022-02-05 13:00	1.83	2.61	2.8	3	4	4	5
2022-02-05 14:00	1.85	2.6	2.81	2.81	4	4	4
2022-02-05 15:00	1.62	2.31	2.57	2.9	4	4	5
2022-02-05 16:00	1.32	1.85	2.12	2.55	3	3	4
2022-02-05 17:00	1.2	1.65	1.91	2	3	3	3
2022-02-05 18:00	1.31	1.77	2	2.05	3	3	3
2022-02-05 19:00	1.37	1.84	2.08	2.13	3	3	3
2022-02-05 20:00	1.43	1.93	2.16	2.21	3	3	3
2022-02-05 21:00	1.64	2.19	2.42	2.42	3	4	4
2022-02-05 22:00	1.9	2.48	2.7	2.79	4	4	4
2022-02-05 23:00	1.76	2.37	2.57	2.62	4	4	4
2022-02-06 00:00	1.83	2.43	2.6	2.6	4	4	4
2022-02-06 01:00	1.82	2.41	2.56	2.56	4	4	4
2022-02-06 02:00	2.9	3.56	3.71	3.71	6	6	6
2022-02-06 03:00	2.71	3.42	3.59	3.59	5	6	6
2022-02-06 04:00	2.23	2.91	3.07	3.07	5	5	5
2022-02-06 05:00	4.18	4.95	5.12	5.12	8	8	8
2022-02-06 06:00	1.78	2.41	2.54	2.63	4	4	4
2022-02-06 07:00	1.62	2.19	2.32	2.32	3	4	4
2022-02-06 08:00	1.83	2.44	2.57	2.57	4	4	4
2022-02-06 09:00	2.02	2.66	2.83	2.89	4	4	5
2022-02-06 10:00	2.09	2.8	3	3	4	5	5
2022-02-06 11:00	2	2.85	4.43	6.77	4	7	11
2022-02-06 12:00	1.77	2.42	2.67	2.82	4	4	4
2022-02-06 13:00	1.73	2.39	2.65	2.83	4	4	4
2022-02-06 14:00	1.95	2.65	3.47	4.16	4	5	7
2022-02-06 15:00	2.05	2.7	3.05	3.14	4	5	5
2022-02-06 16:00	1.92	2.51	2.82	2.97	4	4	5
2022-02-06 17:00	1.72	2.29	2.54	2.58	4	4	4
2022-02-06 18:00	1.62	2.12	2.3	2.3	3	4	4
2022-02-06 19:00	1.38	1.83	1.98	1.98	3	3	3
2022-02-06 20:00	1.55	2.05	2.18	2.18	3	3	3
2022-02-06 21:00	3.16	3.75	4.05	4.05	6	6	6
2022-02-06 22:00	1.96	2.45	2.63	2.63	4	4	4
2022-02-06 23:00	1.66	2.1	2.24	2.24	3	4	4
2022-02-07 00:00	1.27	1.61	1.7	1.7	3	3	3
2022-02-07 01:00	1.02	1.31	1.37	1.37	2	2	2
2022-02-07 02:00	1.04	1.34	1.4	1.4	2	2	2
2022-02-07 03:00	1.2	1.55	1.65	1.65	2	3	3
2022-02-07 04:00	1.06	1.38	1.47	1.47	2	2	2
2022-02-07 05:00	1.05	1.38	1.45	1.45	2	2	2
2022-02-07 06:00	1.13	1.5	1.58	1.63	2	2	3
2022-02-07 07:00	1.12	1.51	1.59	1.59	2	3	3
2022-02-07 08:00	1.19	1.61	1.69	1.69	3	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-07 09:00	1.2	1.6	1.68	1.73	3	3	3
2022-02-07 10:00	1.38	1.8	1.93	1.97	3	3	3
2022-02-07 11:00	1.3	1.69	1.82	1.91	3	3	3
2022-02-07 12:00	1.3	1.73	1.88	1.88	3	3	3
2022-02-07 13:00	1.45	1.95	2.22	2.37	3	3	4
2022-02-07 14:00	1.51	2.02	2.28	2.38	3	4	4
2022-02-07 15:00	1.68	2.29	2.65	2.98	4	4	5
2022-02-07 16:00	1.8	2.48	2.85	3.81	4	4	6
2022-02-07 17:00	2.08	2.72	3.13	3.61	4	5	6
2022-02-07 18:00	2.59	3.49	3.89	3.89	5	6	6
2022-02-07 19:00	3.07	4.22	4.68	4.83	7	7	8
2022-02-07 20:00	3.04	4.2	4.65	4.84	7	7	8
2022-02-07 21:00	3.33	4.52	5.05	5.2	7	8	8
2022-02-07 22:00	3.89	5.04	5.56	5.61	8	9	9
2022-02-07 23:00	4.72	6	6.47	6.61	9	10	10
2022-02-08 00:00	4.79	6.17	6.68	6.82	10	11	11
2022-02-08 01:00	4.04	5.21	5.69	5.69	8	9	9
2022-02-08 02:00	3.22	4.18	4.55	4.64	7	7	7
2022-02-08 03:00	3.03	3.92	4.29	4.29	6	7	7
2022-02-08 04:00	3.07	3.96	4.37	4.42	6	7	7
2022-02-08 05:00	3.17	4.06	4.47	4.52	6	7	7
2022-02-08 06:00	3.45	4.38	4.78	4.78	7	8	8
2022-02-08 07:00	3.82	4.8	5.2	5.2	8	8	8
2022-02-08 08:00	4.03	5.04	5.5	5.55	8	9	9
2022-02-08 09:00	4.3	5.37	5.87	5.92	8	9	9
2022-02-08 10:00	5.24	6.47	7.14	7.33	10	11	12
2022-02-08 11:00	7.69	9.64	11	11.49	15	17	18
2022-02-08 12:00	10.93	13.68	15.66	16.85	22	25	26
2022-02-08 13:00	12.58	15.71	17.86	19.35	25	28	30
2022-02-08 14:00	13.05	16.07	18.14	19.05	25	29	30
2022-02-08 15:00	13.02	16.24	18.73	19.07	26	29	30
2022-02-08 16:00	13.28	16.77	19.73	20.35	26	31	32
2022-02-08 17:00	13.82	17.14	19.85	20	27	31	31
2022-02-08 18:00	14.39	17.41	19.73	19.87	27	31	31
2022-02-08 19:00	20.55	23.92	26.04	26.19	38	41	41
2022-02-08 20:00	12.94	15.88	17.66	17.81	25	28	28
2022-02-08 21:00	14.07	17.35	19.27	19.42	27	30	31
2022-02-08 22:00	16.75	21.11	23.21	23.26	33	37	37
2022-02-08 23:00	22.74	27.93	29.49	29.53	44	46	46
2022-02-09 00:00	15.06	18.33	19.67	19.81	29	31	31
2022-02-09 01:00	12.62	14.99	16.17	16.22	24	25	26
2022-02-09 02:00	11.39	13.41	14.44	14.59	21	23	23
2022-02-09 03:00	14.26	17.04	18.02	18.02	27	28	28
2022-02-09 04:00	13.33	15.64	16.44	16.53	25	26	26
2022-02-09 05:00	6.57	8.02	8.63	8.87	13	14	14
2022-02-09 06:00	4.42	5.52	5.97	6.64	9	9	10
2022-02-09 07:00	9.39	10.41	10.87	11.59	16	17	18
2022-02-09 08:00	3.82	4.52	5.49	6.74	7	9	11
2022-02-09 09:00	3.04	3.77	4.67	5.54	6	7	9
2022-02-09 10:00	2.63	3.29	3.95	4.44	5	6	7
2022-02-09 11:00	2.38	2.98	3.56	4.22	5	6	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-09 12:00	2.41	3.13	3.66	4.28	5	6	7
2022-02-09 13:00	4.4	5.63	6.21	6.88	9	10	11
2022-02-09 14:00	2.17	2.81	3.17	3.5	4	5	6
2022-02-09 15:00	2.23	2.92	3.38	4.1	5	5	6
2022-02-09 16:00	2.67	3.2	3.48	3.57	5	5	6
2022-02-09 17:00	3.69	4.19	4.39	4.49	7	7	7
2022-02-09 18:00	7.61	9.8	10.06	10.11	15	16	16
2022-02-09 19:00	8.3	9.54	9.7	9.74	15	15	15
2022-02-09 20:00	1.88	2.26	2.39	2.43	4	4	4
2022-02-09 21:00	1.81	2.19	2.29	2.34	3	4	4
2022-02-09 22:00	1.74	2.21	2.34	2.34	3	4	4
2022-02-09 23:00	2.02	2.52	2.65	2.65	4	4	4
2022-02-10 00:00	1.53	2.04	2.16	2.16	3	3	3
2022-02-10 01:00	1.48	1.98	2.1	2.2	3	3	3
2022-02-10 02:00	1.58	2.07	2.19	2.19	3	3	3
2022-02-10 03:00	1.6	2.09	2.21	2.21	3	3	3
2022-02-10 04:00	1.55	2	2.12	2.12	3	3	3
2022-02-10 05:00	1.59	2.05	2.16	2.16	3	3	3
2022-02-10 06:00	1.57	2.04	2.15	2.15	3	3	3
2022-02-10 07:00	1.5	1.95	2.09	2.23	3	3	4
2022-02-10 08:00	1.46	1.93	2.1	2.25	3	3	4
2022-02-10 09:00	1.65	2.17	2.52	2.95	3	4	5
2022-02-10 10:00	1.61	2.13	2.46	3.29	3	4	5
2022-02-10 11:00	1.71	2.23	2.66	4.38	4	4	7
2022-02-10 12:00	1.68	2.16	2.51	3.23	3	4	5
2022-02-10 13:00	1.59	2.08	2.57	4.01	3	4	6
2022-02-10 14:00	1.46	1.88	2.33	4.04	3	4	6
2022-02-10 15:00	1.48	1.91	2.45	3.5	3	4	6
2022-02-10 16:00	1.45	1.89	2.34	2.96	3	4	5
2022-02-10 17:00	1.46	1.93	2.36	3.08	3	4	5
2022-02-10 18:00	1.28	1.66	2.02	2.31	3	3	4
2022-02-10 19:00	1.15	1.54	2.03	2.66	2	3	4
2022-02-10 20:00	1.18	1.54	2.09	2.47	2	3	4
2022-02-10 21:00	1.12	1.46	1.92	2.98	2	3	5
2022-02-10 22:00	1.31	1.65	2.36	3.51	3	4	6
2022-02-10 23:00	1.71	2.07	2.77	3.39	3	4	5
2022-02-11 00:00	2.63	3.04	3.57	3.91	5	6	6
2022-02-11 01:00	2.75	3.19	3.64	4.31	5	6	7
2022-02-11 02:00	2.27	2.77	3.67	5.78	4	6	9
2022-02-11 03:00	4.15	5.62	6.43	7.58	9	10	12
2022-02-11 04:00	4.02	5.02	6.4	10.95	8	10	17
2022-02-11 05:00	3.8	5.19	6.93	10.76	8	11	17
2022-02-11 06:00	3.56	4.32	6.06	11.56	7	10	18
2022-02-11 07:00	1.63	2.29	3.52	6.46	4	6	10
2022-02-11 08:00	7.99	8.93	9.61	10.61	14	15	17
2022-02-11 09:00	1.26	1.71	1.97	2.26	3	3	4
2022-02-11 10:00	7.22	8.53	8.74	8.89	13	14	14
2022-02-11 11:00	1.95	2.57	2.78	3.07	4	4	5
2022-02-11 12:00	2.04	2.76	2.98	3.03	4	5	5
2022-02-11 13:00	3.4	4.23	4.48	4.62	7	7	7
2022-02-11 14:00	3.22	4.07	4.31	4.45	6	7	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-11 15:00	1.88	2.78	3.01	3.2	4	5	5
2022-02-11 16:00	4.14	5.29	5.58	5.78	8	9	9
2022-02-11 17:00	4.33	5.73	6.03	6.12	9	9	10
2022-02-11 18:00	4.29	5.52	5.85	6	9	9	9
2022-02-11 19:00	4.68	6.12	6.4	6.49	10	10	10
2022-02-11 20:00	2.35	3.22	3.43	3.43	5	5	5
2022-02-11 21:00	1.98	2.77	2.95	2.95	4	5	5
2022-02-11 22:00	1.71	2.52	2.71	2.71	4	4	4
2022-02-11 23:00	1.64	2.69	3.13	3.13	4	5	5
2022-02-12 00:00	1.5	2.47	2.87	2.87	4	5	5
2022-02-12 01:00	1.92	4.33	5.67	5.72	7	9	9
2022-02-12 02:00	1.98	4.33	6.09	6.14	7	10	10
2022-02-12 03:00	2.6	6.16	8.31	8.31	10	13	13
2022-02-12 04:00	1.96	3.63	4.52	4.95	6	7	8
2022-02-12 05:00	1.38	2.28	2.57	2.57	4	4	4
2022-02-12 06:00	1.26	1.9	2.11	2.11	3	3	3
2022-02-12 07:00	1.26	1.82	2.03	2.27	3	3	4
2022-02-12 08:00	3.91	4.59	4.79	4.79	7	8	8
2022-02-12 09:00	1.47	2	2.24	2.29	3	4	4
2022-02-12 10:00	1.21	1.75	2.36	2.75	3	4	4
2022-02-12 11:00	1.42	2.05	2.19	2.19	3	3	3
2022-02-12 12:00	1.62	2.33	2.5	2.5	4	4	4
2022-02-12 13:00	1.62	2.32	2.48	2.57	4	4	4
2022-02-12 14:00	1.56	2.23	2.4	2.45	4	4	4
2022-02-12 15:00	1.57	2.24	2.41	2.41	4	4	4
2022-02-12 16:00	1.58	2.22	2.39	2.44	3	4	4
2022-02-12 17:00	1.61	2.26	2.45	2.59	4	4	4
2022-02-12 18:00	1.33	1.86	2.01	2.01	3	3	3
2022-02-12 19:00	1.43	1.94	2.07	2.07	3	3	3
2022-02-12 20:00	1.25	1.7	1.91	1.96	3	3	3
2022-02-12 21:00	1.33	1.77	1.85	1.9	3	3	3
2022-02-12 22:00	1.82	2.27	2.37	2.37	4	4	4
2022-02-12 23:00	3.1	3.66	3.78	3.78	6	6	6
2022-02-13 00:00	2.12	2.56	2.68	2.68	4	4	4
2022-02-13 01:00	1.33	1.68	1.79	1.88	3	3	3
2022-02-13 02:00	1.82	2.26	2.93	4.08	4	5	6
2022-02-13 03:00	2.54	3.13	3.68	4.92	5	6	8
2022-02-13 04:00	2.84	3.73	4.8	5.37	6	8	8
2022-02-13 05:00	1.77	2.25	2.83	2.87	4	4	5
2022-02-13 06:00	1.46	1.86	3.74	4.37	3	6	7
2022-02-13 07:00	0.95	1.21	1.69	1.93	2	3	3
2022-02-13 08:00	0.85	1.11	2.3	2.64	2	4	4
2022-02-13 09:00	0.8	1.05	1.92	2.11	2	3	3
2022-02-13 10:00	0.77	1.02	1.3	1.4	2	2	2
2022-02-13 11:00	1.07	1.52	1.66	1.66	2	3	3
2022-02-13 12:00	1.2	1.72	1.87	1.92	3	3	3
2022-02-13 13:00	1.08	1.56	1.69	1.74	2	3	3
2022-02-13 14:00	1.02	1.47	1.59	1.68	2	3	3
2022-02-13 15:00	1.05	1.52	1.66	1.66	2	3	3
2022-02-13 16:00	0.93	1.35	1.49	1.59	2	2	3
2022-02-13 17:00	0.96	1.4	1.52	1.66	2	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-13 18:00	0.9	1.27	1.4	1.4	2	2	2
2022-02-13 19:00	1.64	2.05	2.23	2.23	3	4	4
2022-02-13 20:00	1.52	1.92	2.05	2.05	3	3	3
2022-02-13 21:00	0.92	1.22	1.31	1.31	2	2	2
2022-02-13 22:00	2.13	2.57	2.67	2.67	4	4	4
2022-02-13 23:00	4.38	5.08	5.32	5.32	8	8	8
2022-02-14 00:00	2.04	2.5	2.62	2.62	4	4	4
2022-02-14 01:00	2.61	3.12	3.27	3.27	5	5	5
2022-02-14 02:00	2.17	2.63	2.76	2.76	4	4	4
2022-02-14 03:00	0.96	1.22	1.28	1.28	2	2	2
2022-02-14 04:00	0.71	0.92	0.97	0.97	1	2	2
2022-02-14 05:00	0.56	0.73	0.77	0.77	1	1	1
2022-02-14 06:00	0.53	0.7	0.73	0.78	1	1	1
2022-02-14 07:00	0.56	0.74	0.78	0.78	1	1	1
2022-02-14 08:00	0.75	0.97	1.06	1.06	2	2	2
2022-02-14 09:00	0.88	1.18	1.28	1.28	2	2	2
2022-02-14 10:00	1.16	1.6	1.75	1.85	3	3	3
2022-02-14 11:00	1.2	1.64	1.82	1.92	3	3	3
2022-02-14 12:00	1.19	1.6	1.76	1.8	3	3	3
2022-02-14 13:00	1.09	1.46	1.61	1.66	2	3	3
2022-02-14 14:00	1.02	1.35	1.5	1.65	2	2	3
2022-02-14 15:00	1.11	1.43	1.69	1.88	2	3	3
2022-02-14 16:00	2.22	2.59	2.76	2.81	4	4	4
2022-02-14 17:00	0.99	1.33	1.49	1.54	2	2	2
2022-02-14 18:00	1.11	1.43	1.59	1.74	2	3	3
2022-02-14 19:00	1.02	1.33	1.44	1.49	2	2	2
2022-02-14 20:00	1.12	1.49	1.64	1.64	2	3	3
2022-02-14 21:00	1.27	1.64	1.78	1.83	3	3	3
2022-02-14 22:00	1.12	1.41	1.5	1.5	2	2	2
2022-02-14 23:00	1.22	1.5	1.64	1.64	2	3	3
2022-02-15 00:00	0.79	0.98	1.04	1.04	2	2	2
2022-02-15 01:00	2.98	3.41	3.55	3.55	5	6	6
2022-02-15 02:00	2.73	3.16	3.32	3.36	5	5	5
2022-02-15 03:00	1.12	1.34	1.41	1.41	2	2	2
2022-02-15 04:00	1.63	1.95	2.07	2.07	3	3	3
2022-02-15 05:00	0.89	1.07	1.15	1.15	2	2	2
2022-02-15 06:00	0.84	1.01	1.07	1.07	2	2	2
2022-02-15 07:00	1.14	1.34	1.42	1.42	2	2	2
2022-02-15 08:00	1.16	1.36	1.5	1.55	2	2	2
2022-02-15 09:00	0.97	1.15	1.23	1.23	2	2	2
2022-02-15 10:00	0.81	0.98	1.06	1.06	2	2	2
2022-02-15 11:00	0.95	1.22	1.37	1.52	2	2	2
2022-02-15 12:00	1.02	1.34	1.47	1.52	2	2	2
2022-02-15 13:00	0.97	1.29	1.49	2.21	2	2	3
2022-02-15 14:00	0.96	1.28	1.48	2.1	2	2	3
2022-02-15 15:00	0.94	1.28	1.45	1.55	2	2	2
2022-02-15 16:00	0.79	1.08	1.28	1.67	2	2	3
2022-02-15 17:00	0.72	1.01	1.24	2.05	2	2	3
2022-02-15 18:00	0.72	1.01	1.2	1.39	2	2	2
2022-02-15 19:00	0.73	1.01	1.23	1.47	2	2	2
2022-02-15 20:00	0.73	1.01	1.3	1.83	2	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-15 21:00	0.72	0.99	1.26	1.7	2	2	3
2022-02-15 22:00	0.7	0.96	1.22	1.5	2	2	2
2022-02-15 23:00	0.67	0.92	1.15	1.24	1	2	2
2022-02-16 00:00	0.64	0.88	1.07	1.12	1	2	2
2022-02-16 01:00	0.63	0.86	1.06	1.25	1	2	2
2022-02-16 02:00	0.58	0.79	0.95	0.99	1	1	2
2022-02-16 03:00	0.59	0.79	0.98	0.98	1	2	2
2022-02-16 04:00	0.79	1.08	1.32	1.41	2	2	2
2022-02-16 05:00	1.08	1.44	1.72	1.77	2	3	3
2022-02-16 06:00	1.42	1.86	2.2	2.24	3	3	4
2022-02-16 07:00	1.48	1.94	2.24	2.63	3	4	4
2022-02-16 08:00	1.43	1.88	2.2	2.25	3	3	4
2022-02-16 09:00	1.44	1.86	2.13	2.13	3	3	3
2022-02-16 10:00	1.53	1.97	2.35	2.64	3	4	4
2022-02-16 11:00	1.72	2.19	2.65	3.22	3	4	5
2022-02-16 12:00	2.13	2.67	3.24	4.77	4	5	8
2022-02-16 13:00	2.22	2.79	3.36	4.32	4	5	7
2022-02-16 14:00	1.81	2.26	2.72	3.44	4	4	5
2022-02-16 15:00	1.35	1.71	2.29	3.39	3	4	5
2022-02-16 16:00	1.12	1.45	1.97	2.88	2	3	5
2022-02-16 17:00	1.18	1.56	2.36	4.8	2	4	8
2022-02-16 18:00	1.24	1.59	2.08	2.74	3	3	4
2022-02-16 19:00	1.14	1.48	2.03	2.89	2	3	5
2022-02-16 20:00	1.35	1.71	2.23	2.97	3	4	5
2022-02-16 21:00	1.55	1.91	2.33	3.32	3	4	5
2022-02-16 22:00	1.56	2.01	2.27	2.51	3	4	4
2022-02-16 23:00	1.83	2.54	2.81	2.86	4	4	4
2022-02-17 00:00	1.93	2.7	2.92	2.92	4	5	5
2022-02-17 01:00	1.81	2.46	2.66	2.66	4	4	4
2022-02-17 02:00	3.14	4.08	4.29	4.29	6	7	7
2022-02-17 03:00	1.69	2.21	2.36	2.41	3	4	4
2022-02-17 04:00	1.64	2.09	2.24	2.24	3	4	4
2022-02-17 05:00	1.48	1.88	1.99	2.03	3	3	3
2022-02-17 06:00	1.46	1.86	1.96	1.96	3	3	3
2022-02-17 07:00	1.43	1.82	1.93	1.98	3	3	3
2022-02-17 08:00	2.04	2.46	2.63	2.68	4	4	4
2022-02-17 09:00	6.23	7	7.19	7.39	11	11	12
2022-02-17 10:00	1.63	2.08	2.23	2.28	3	4	4
2022-02-17 11:00	1.86	2.35	2.52	2.57	4	4	4
2022-02-17 12:00	1.8	2.3	2.49	2.54	4	4	4
2022-02-17 13:00	1.65	2.1	2.29	2.29	3	4	4
2022-02-17 14:00	1.45	1.88	2.07	2.07	3	3	3
2022-02-17 15:00	1.35	1.76	1.95	2	3	3	3
2022-02-17 16:00	1.18	1.56	1.74	1.74	2	3	3
2022-02-17 17:00	1	1.35	1.52	1.52	2	2	2
2022-02-17 18:00	1.07	1.4	1.55	1.6	2	2	3
2022-02-17 19:00	1.03	1.35	1.54	1.78	2	2	3
2022-02-17 20:00	1.09	1.4	1.54	1.54	2	2	2
2022-02-17 21:00	1.34	1.62	1.74	1.74	3	3	3
2022-02-17 22:00	0.88	1.14	1.23	1.23	2	2	2
2022-02-17 23:00	0.79	1.01	1.1	1.1	2	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-18 00:00	0.82	1.03	1.22	1.31	2	2	2
2022-02-18 01:00	0.85	1.06	1.15	1.15	2	2	2
2022-02-18 02:00	0.73	0.92	0.97	0.97	1	2	2
2022-02-18 03:00	0.82	1.03	1.09	1.09	2	2	2
2022-02-18 04:00	0.8	1.02	1.09	1.09	2	2	2
2022-02-18 05:00	0.91	1.15	1.24	1.24	2	2	2
2022-02-18 06:00	0.96	1.21	1.31	1.31	2	2	2
2022-02-18 07:00	1.15	1.49	1.64	1.64	2	3	3
2022-02-18 08:00	1.09	1.4	1.52	1.52	2	2	2
2022-02-18 09:00	1.09	1.4	1.51	1.6	2	2	3
2022-02-18 10:00	1.2	1.53	1.69	1.69	2	3	3
2022-02-18 11:00	1.16	1.47	1.6	1.65	2	3	3
2022-02-18 12:00	1.29	1.66	1.87	2.06	3	3	3
2022-02-18 13:00	1.59	1.95	2.18	2.33	3	3	4
2022-02-18 14:00	4.14	4.8	5.02	5.2	8	8	8
2022-02-18 15:00	5.84	6.35	6.55	6.71	10	10	11
2022-02-18 16:00	3.25	3.64	3.85	3.94	6	6	6
2022-02-18 17:00	2.1	2.43	2.63	2.63	4	4	4
2022-02-18 18:00	4.17	4.61	4.76	4.76	7	7	7
2022-02-18 19:00	1.6	1.86	1.96	1.96	3	3	3
2022-02-18 20:00	0.77	1.04	1.17	1.17	2	2	2
2022-02-18 21:00	0.83	1.14	1.29	1.53	2	2	2
2022-02-18 22:00	1.12	1.47	1.63	1.68	2	3	3
2022-02-18 23:00	1.16	1.52	1.66	1.71	2	3	3
2022-02-19 00:00	0.94	1.27	1.41	1.41	2	2	2
2022-02-19 01:00	0.85	1.13	1.25	1.35	2	2	2
2022-02-19 02:00	0.78	1.03	1.15	1.2	2	2	2
2022-02-19 03:00	0.84	1.08	1.18	1.18	2	2	2
2022-02-19 04:00	0.94	1.2	1.3	1.39	2	2	2
2022-02-19 05:00	1.01	1.3	1.42	1.52	2	2	2
2022-02-19 06:00	1.04	1.34	1.47	1.51	2	2	2
2022-02-19 07:00	1.11	1.45	1.59	1.68	2	3	3
2022-02-19 08:00	1.15	1.49	1.66	1.8	2	3	3
2022-02-19 09:00	1.22	1.58	1.77	1.96	2	3	3
2022-02-19 10:00	1.5	1.96	2.15	2.2	3	3	3
2022-02-19 11:00	2.03	2.68	2.95	2.95	4	5	5
2022-02-19 12:00	2.01	2.66	2.99	2.99	4	5	5
2022-02-19 13:00	1.62	2.16	2.45	2.5	3	4	4
2022-02-19 14:00	1.3	1.75	2.07	2.12	3	3	3
2022-02-19 15:00	1.35	1.81	2.35	3.49	3	4	5
2022-02-19 16:00	1.49	2.01	3.65	9.14	3	6	14
2022-02-19 17:00	1.57	2.09	3.42	7.36	3	5	12
2022-02-19 18:00	1.45	1.93	2.71	5.35	3	4	8
2022-02-19 19:00	1.33	1.76	2.31	3.36	3	4	5
2022-02-19 20:00	1.22	1.63	2.1	2.77	3	3	4
2022-02-19 21:00	1.19	1.61	2.07	2.31	3	3	4
2022-02-19 22:00	1.19	1.61	2.32	2.61	3	4	4
2022-02-19 23:00	1.15	1.58	2.21	2.36	2	3	4
2022-02-20 00:00	1.13	1.56	2.17	2.22	2	3	3
2022-02-20 01:00	1.54	2.24	3.01	3.06	4	5	5
2022-02-20 02:00	1.54	2.04	2.68	2.82	3	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-20 03:00	2.04	2.5	3.06	3.06	4	5	5
2022-02-20 04:00	1.24	1.67	2.26	2.26	3	4	4
2022-02-20 05:00	1.33	1.84	2.53	2.63	3	4	4
2022-02-20 06:00	1.76	2.25	2.71	2.81	4	4	4
2022-02-20 07:00	18.15	22.29	22.81	22.95	35	36	36
2022-02-20 08:00	12.29	13.6	13.86	13.9	21	22	22
2022-02-20 09:00	1.91	2.44	2.71	2.71	4	4	4
2022-02-20 10:00	3.45	4.12	4.41	4.65	6	7	7
2022-02-20 11:00	2.9	3.63	3.91	3.96	6	6	6
2022-02-20 12:00	3.84	4.65	4.96	5.1	7	8	8
2022-02-20 13:00	2.88	3.74	4.03	4.08	6	6	6
2022-02-20 14:00	3.43	4.34	4.65	4.65	7	7	7
2022-02-20 15:00	6.4	7.42	7.73	7.85	12	12	12
2022-02-20 16:00	4.88	5.87	6.19	6.39	9	10	10
2022-02-20 17:00	3.28	4.37	4.72	4.82	7	7	8
2022-02-20 18:00	8.04	9.72	9.99	10.13	15	16	16
2022-02-20 19:00	3.06	4.08	4.28	4.33	6	7	7
2022-02-20 20:00	2.77	3.74	3.93	3.97	6	6	6
2022-02-20 21:00	2.72	3.71	3.89	3.89	6	6	6
2022-02-20 22:00	2.76	3.79	3.98	3.98	6	6	6
2022-02-20 23:00	2.79	3.86	4.05	4.14	6	6	7
2022-02-21 00:00	2.8	3.89	4.07	4.07	6	6	6
2022-02-21 01:00	2.89	3.87	4.04	4.05	6	6	6
2022-02-21 02:00	3.24	4.19	4.39	4.48	7	7	7
2022-02-21 03:00	3.01	3.89	4.37	5.52	6	7	9
2022-02-21 04:00	2.55	3.37	4.34	5.34	5	7	8
2022-02-21 05:00	2.35	3.16	4.58	7.21	5	7	11
2022-02-21 06:00	2.21	2.95	3.53	4.8	5	6	8
2022-02-21 07:00	2.19	2.93	3.73	5.19	5	6	8
2022-02-21 08:00	6.77	7.84	10.24	11.44	12	16	18
2022-02-21 09:00	4.11	5.26	5.77	6.01	8	9	9
2022-02-21 10:00	3.38	4.84	5.11	5.11	8	8	8
2022-02-21 11:00	3.74	5.46	5.78	5.78	9	9	9
2022-02-21 12:00	4.23	6.16	6.55	6.55	10	10	10
2022-02-21 13:00	4.71	6.77	7.19	7.29	11	11	11
2022-02-21 14:00	4.67	6.55	7.01	7.01	10	11	11
2022-02-21 15:00	5.07	6.97	7.43	7.44	11	12	12
2022-02-21 16:00	4.85	6.68	7.14	7.14	11	11	11
2022-02-21 17:00	5.29	7.13	7.58	7.58	11	12	12
2022-02-21 18:00	5.15	6.81	7.2	7.25	11	11	11
2022-02-21 19:00	5.98	7.61	8.04	8.04	12	13	13
2022-02-21 20:00	9.82	11.79	12.37	12.47	19	19	20
2022-02-21 21:00	6.37	7.95	8.34	8.39	13	13	13
2022-02-21 22:00	4.76	6.13	6.48	6.48	10	10	10
2022-02-21 23:00	3.15	4.16	4.46	4.56	7	7	7
2022-02-22 00:00	2.79	3.71	3.92	3.92	6	6	6
2022-02-22 01:00	2.7	3.61	3.82	3.87	6	6	6
2022-02-22 02:00	2.66	3.54	3.72	3.82	6	6	6
2022-02-22 03:00	2.61	3.45	3.68	3.82	5	6	6
2022-02-22 04:00	2.57	3.41	3.57	3.57	5	6	6
2022-02-22 05:00	2.54	3.38	3.54	3.54	5	6	6

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-22 06:00	2.52	3.39	3.56	3.61	5	6	6
2022-02-22 07:00	2.8	3.79	3.98	4.27	6	6	7
2022-02-22 08:00	5.18	6.79	7.29	7.75	11	11	12
2022-02-22 09:00	8.34	9.89	10.32	10.58	16	16	17
2022-02-22 10:00	3.86	5.35	5.7	5.7	8	9	9
2022-02-22 11:00	4.87	6.52	6.92	6.92	10	11	11
2022-02-22 12:00	5.58	7.21	7.59	7.59	11	12	12
2022-02-22 13:00	8.62	10.16	10.52	10.52	16	17	17
2022-02-22 14:00	3.5	4.62	4.93	4.98	7	8	8
2022-02-22 15:00	6.3	7.62	8.1	8.26	12	13	13
2022-02-22 16:00	2.88	4.17	4.5	4.54	7	7	7
2022-02-22 17:00	2.24	3.2	3.44	3.44	5	5	5
2022-02-22 18:00	1.77	2.4	2.56	2.56	4	4	4
2022-02-22 19:00	1.66	2.26	2.42	2.47	4	4	4
2022-02-22 20:00	1.63	2.2	2.36	2.36	3	4	4
2022-02-22 21:00	1.73	2.36	2.52	2.52	4	4	4
2022-02-22 22:00	1.83	2.48	2.66	2.66	4	4	4
2022-02-22 23:00	1.9	2.56	2.76	2.76	4	4	4
2022-02-23 00:00	1.93	2.59	2.77	2.77	4	4	4
2022-02-23 01:00	2.03	2.68	2.85	2.9	4	4	5
2022-02-23 02:00	2.17	2.8	3.02	3.02	4	5	5
2022-02-23 03:00	2.2	2.86	3.25	3.68	4	5	6
2022-02-23 04:00	1.97	2.51	2.64	2.64	4	4	4
2022-02-23 05:00	1.88	2.4	2.51	2.51	4	4	4
2022-02-23 06:00	1.69	2.18	2.29	2.29	3	4	4
2022-02-23 07:00	2.03	2.54	2.7	2.79	4	4	4
2022-02-23 08:00	1.79	2.29	2.68	3.44	4	4	5
2022-02-23 09:00	3.27	3.9	4.18	4.42	6	7	7
2022-02-23 10:00	2.71	3.6	3.8	3.85	6	6	6
2022-02-23 11:00	2.83	3.86	4.07	4.07	6	6	6
2022-02-23 12:00	2.88	3.9	4.15	4.15	6	7	7
2022-02-23 13:00	2.91	3.91	4.19	4.47	6	7	7
2022-02-23 14:00	2.86	3.85	4.18	4.85	6	7	8
2022-02-23 15:00	2.72	3.68	4	4.39	6	6	7
2022-02-23 16:00	2.68	3.63	3.91	4.1	6	6	6
2022-02-23 17:00	2.59	3.48	3.75	3.89	5	6	6
2022-02-23 18:00	2.36	3.17	3.38	3.38	5	5	5
2022-02-23 19:00	2.13	2.86	3.06	3.06	4	5	5
2022-02-23 20:00	2.19	2.93	3.15	3.2	5	5	5
2022-02-23 21:00	2.21	2.95	3.14	3.18	5	5	5
2022-02-23 22:00	2.2	2.91	3.09	3.09	5	5	5
2022-02-23 23:00	2.04	2.7	2.88	3.03	4	5	5
2022-02-24 00:00	1.91	2.52	2.65	2.65	4	4	4
2022-02-24 01:00	3.17	4.47	4.9	4.9	7	8	8
2022-02-24 02:00	2.19	3	3.21	3.21	5	5	5
2022-02-24 03:00	1.95	2.58	2.72	2.76	4	4	4
2022-02-24 04:00	1.92	2.49	2.61	2.61	4	4	4
2022-02-24 05:00	1.67	2.18	2.28	2.28	3	4	4
2022-02-24 06:00	2.02	2.69	2.84	2.84	4	4	4
2022-02-24 07:00	3.34	4.34	4.73	4.92	7	7	8
2022-02-24 08:00	1.67	2.17	2.28	2.28	3	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-24 09:00	2.66	3.3	3.66	3.8	5	6	6
2022-02-24 10:00	3.31	4.26	4.61	4.61	7	7	7
2022-02-24 11:00	3.57	4.59	4.99	4.99	7	8	8
2022-02-24 12:00	3.14	4.09	4.44	4.44	6	7	7
2022-02-24 13:00	2.66	3.5	3.84	3.84	6	6	6
2022-02-24 14:00	2.61	3.46	3.78	3.78	5	6	6
2022-02-24 15:00	2.26	3.01	3.35	3.44	5	5	5
2022-02-24 16:00	1.96	2.66	2.97	3.11	4	5	5
2022-02-24 17:00	2.04	2.73	3.08	3.08	4	5	5
2022-02-24 18:00	2.01	2.68	2.97	2.97	4	5	5
2022-02-24 19:00	2.37	3.28	3.67	3.67	5	6	6
2022-02-24 20:00	2.18	3.2	3.6	3.65	5	6	6
2022-02-24 21:00	1.72	2.28	2.47	2.47	4	4	4
2022-02-24 22:00	1.61	2.09	2.27	2.27	3	4	4
2022-02-24 23:00	3.19	4.88	5.82	6.54	8	9	10
2022-02-25 00:00	5.84	9.16	10.25	10.3	14	16	16
2022-02-25 01:00	2.24	3.17	3.46	3.51	5	5	6
2022-02-25 02:00	1.87	2.42	2.6	2.6	4	4	4
2022-02-25 03:00	3.26	3.98	4.3	4.35	6	7	7
2022-02-25 04:00	2.98	3.68	4.04	4.04	6	6	6
2022-02-25 05:00	1.55	1.96	2.11	2.11	3	3	3
2022-02-25 06:00	1.3	1.64	1.73	1.73	3	3	3
2022-02-25 07:00	1.24	1.57	1.67	1.67	2	3	3
2022-02-25 08:00	1.36	1.73	1.88	1.92	3	3	3
2022-02-25 09:00	2.38	3.12	3.39	3.39	5	5	5
2022-02-25 10:00	2.43	3.29	3.64	3.64	5	6	6
2022-02-25 11:00	2.22	2.99	3.33	3.43	5	5	5
2022-02-25 12:00	1.92	2.58	2.91	3.06	4	5	5
2022-02-25 13:00	1.64	2.22	2.63	2.63	3	4	4
2022-02-25 14:00	1.59	2.15	2.6	3.03	3	4	5
2022-02-25 15:00	1.53	2.06	2.51	3.26	3	4	5
2022-02-25 16:00	1.58	2.15	2.61	2.97	3	4	5
2022-02-25 17:00	1.59	2.16	2.61	3.13	3	4	5
2022-02-25 18:00	1.67	2.25	2.68	2.92	4	4	5
2022-02-25 19:00	1.93	2.55	2.96	3.05	4	5	5
2022-02-25 20:00	2.64	3.42	3.84	4.08	5	6	6
2022-02-25 21:00	2.53	3.29	3.73	3.92	5	6	6
2022-02-25 22:00	2.12	2.79	3.15	3.25	4	5	5
2022-02-25 23:00	1.83	2.44	2.88	3.12	4	5	5
2022-02-26 00:00	2	2.66	3.11	3.35	4	5	5
2022-02-26 01:00	2.66	3.49	4.12	4.56	5	6	7
2022-02-26 02:00	3.14	4.08	4.79	4.84	6	8	8
2022-02-26 03:00	3.51	4.51	5.19	5.38	7	8	8
2022-02-26 04:00	3.87	4.92	5.66	6.05	8	9	10
2022-02-26 05:00	4.02	5.05	5.75	5.95	8	9	9
2022-02-26 06:00	4.01	4.98	5.63	6.21	8	9	10
2022-02-26 07:00	4.11	5.07	5.83	6.06	8	9	10
2022-02-26 08:00	4.1	5.05	5.78	6.16	8	9	10
2022-02-26 09:00	3.97	4.87	5.6	5.89	8	9	9
2022-02-26 10:00	3.66	4.49	5.22	5.41	7	8	9
2022-02-26 11:00	3.15	3.89	4.51	4.99	6	7	8

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-26 12:00	2.71	3.33	3.93	4.14	5	6	7
2022-02-26 13:00	2.26	2.8	3.28	3.73	4	5	6
2022-02-26 14:00	1.61	2.03	2.55	4.18	3	4	7
2022-02-26 15:00	0.99	1.28	1.56	1.61	2	2	3
2022-02-26 16:00	0.74	0.98	1.22	1.75	2	2	3
2022-02-26 17:00	0.72	0.99	1.27	1.85	2	2	3
2022-02-26 18:00	0.64	0.85	1.09	1.28	1	2	2
2022-02-26 19:00	0.56	0.77	1.03	1.51	1	2	2
2022-02-26 20:00	0.83	1.06	1.37	1.8	2	2	3
2022-02-26 21:00	2	2.35	2.73	3.49	4	4	5
2022-02-26 22:00	1.37	1.74	2.38	3.96	3	4	6
2022-02-26 23:00	1.22	1.62	2.07	2.46	3	3	4
2022-02-27 00:00	1.21	1.7	1.92	1.97	3	3	3
2022-02-27 01:00	1.11	1.6	1.8	1.85	3	3	3
2022-02-27 02:00	1.15	1.7	1.91	1.96	3	3	3
2022-02-27 03:00	1.17	1.77	1.95	1.95	3	3	3
2022-02-27 04:00	1.33	2.04	2.24	2.24	3	4	4
2022-02-27 05:00	1.29	1.96	2.17	2.22	3	3	3
2022-02-27 06:00	1.54	2.27	2.48	2.48	4	4	4
2022-02-27 07:00	1.93	2.68	2.9	2.9	4	5	5
2022-02-27 08:00	1.87	2.54	2.84	2.99	4	4	5
2022-02-27 09:00	1.62	2.43	2.67	2.72	4	4	4
2022-02-27 10:00	2.95	4.94	5.43	5.43	8	9	9
2022-02-27 11:00	6.41	9.45	10.07	10.12	15	16	16
2022-02-27 12:00	3.96	6.72	7.31	7.36	11	11	12
2022-02-27 13:00	3.45	5.99	6.54	6.69	9	10	11
2022-02-27 14:00	3.07	5.27	5.76	5.76	8	9	9
2022-02-27 15:00	2.64	4.56	4.99	5.03	7	8	8
2022-02-27 16:00	2.57	4.22	4.57	4.57	7	7	7
2022-02-27 17:00	2.29	3.93	4.29	4.29	6	7	7
2022-02-27 18:00	2.17	3.69	4.01	4.01	6	6	6
2022-02-27 19:00	3.27	5.89	6.61	6.66	9	10	10
2022-02-27 20:00	6.98	13.74	15.94	15.99	22	25	25
2022-02-27 21:00	4.27	7.7	8.77	9.01	12	14	14
2022-02-27 22:00	8.2	15.67	18.54	18.64	25	29	29
2022-02-27 23:00	10.86	23.5	29.15	29.25	37	46	46
2022-02-28 00:00	5.5	10.72	12.7	12.7	17	20	20
2022-02-28 01:00	4.57	8.51	9.87	9.87	13	16	16
2022-02-28 02:00	3.12	5.43	6.17	6.17	9	10	10
2022-02-28 03:00	3.36	5.78	6.53	6.53	9	10	10
2022-02-28 04:00	3.25	5.48	6.13	6.13	9	10	10
2022-02-28 05:00	4.33	8.03	9.27	9.27	13	15	15
2022-02-28 06:00	4.62	8.25	9.49	9.49	13	15	15
2022-02-28 07:00	5.72	10.35	11.95	11.95	16	19	19
2022-02-28 08:00	6.51	9.85	10.97	10.97	15	17	17
2022-02-28 09:00	3.41	4.97	5.36	5.36	8	8	8
2022-02-28 10:00	2.18	3.45	3.74	3.79	5	6	6
2022-02-28 11:00	1.93	3.14	3.41	3.46	5	5	5
2022-02-28 12:00	1.72	2.8	3.08	3.08	4	5	5
2022-02-28 13:00	1.43	2.28	2.61	2.8	4	4	4
2022-02-28 14:00	1.54	2.31	2.56	2.66	4	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-02-28 15:00	2.81	3.63	3.89	3.99	6	6	6
2022-02-28 16:00	1.13	1.76	2.01	2.1	3	3	3
2022-02-28 17:00	1.06	1.61	1.81	1.91	3	3	3
2022-02-28 18:00	1.12	1.7	1.94	1.94	3	3	3
2022-02-28 19:00	1.04	1.57	1.78	1.88	2	3	3
2022-02-28 20:00	1.72	2.57	2.94	2.94	4	5	5
2022-02-28 21:00	1.79	2.6	2.91	2.96	4	5	5
2022-02-28 22:00	1.28	2.05	2.39	2.39	3	4	4
2022-02-28 23:00	2.21	4.39	5.82	5.82	7	9	9
2022-03-01 00:00	2.02	3.72	4.61	4.61	6	7	7
2022-03-01 01:00	2.17	4.23	5.2	5.2	7	8	8
2022-03-01 02:00	1.27	2.01	2.2	2.2	3	3	3
2022-03-01 03:00	1.29	2.2	2.52	2.57	3	4	4
2022-03-01 04:00	1.59	3.27	4.09	4.09	5	6	6
2022-03-01 05:00	1.37	2.28	2.61	2.66	4	4	4
2022-03-01 06:00	1.58	2.68	3.14	3.24	4	5	5
2022-03-01 07:00	1.66	2.73	3.2	3.39	4	5	5
2022-03-01 08:00	2.92	6.04	7.63	7.63	9	12	12
2022-03-01 09:00	1.86	3.01	3.48	3.48	5	5	5
2022-03-01 10:00	2.15	3.06	3.28	3.28	5	5	5
2022-03-01 11:00	1.89	2.93	3.2	3.2	5	5	5
2022-03-01 12:00	1.82	2.82	3.09	3.09	4	5	5
2022-03-01 13:00	1.39	2.18	2.39	2.44	3	4	4
2022-03-01 14:00	1.2	1.88	2.11	2.11	3	3	3
2022-03-01 15:00	1.21	1.88	2.11	2.25	3	3	4
2022-03-01 16:00	1.08	1.7	1.9	1.95	3	3	3
2022-03-01 17:00	0.93	1.47	1.66	1.75	2	3	3
2022-03-01 18:00	0.76	1.19	1.34	1.49	2	2	2
2022-03-01 19:00	0.69	1.09	1.22	1.22	2	2	2
2022-03-01 20:00	0.78	1.24	1.47	1.57	2	2	2
2022-03-01 21:00	0.8	1.25	1.38	1.38	2	2	2
2022-03-01 22:00	0.85	1.31	1.45	1.5	2	2	2
2022-03-01 23:00	0.97	1.49	1.65	1.65	2	3	3
2022-03-02 00:00	1.19	1.78	1.97	1.97	3	3	3
2022-03-02 01:00	1.41	2.04	2.21	2.21	3	3	3
2022-03-02 02:00	2.14	2.84	3.04	3.04	4	5	5
2022-03-02 03:00	1.58	2.19	2.37	2.42	3	4	4
2022-03-02 04:00	1.24	1.82	2	2	3	3	3
2022-03-02 05:00	1.25	1.8	1.97	2.01	3	3	3
2022-03-02 06:00	1.43	1.98	2.15	2.25	3	3	4
2022-03-02 07:00	1.29	1.82	1.99	2.03	3	3	3
2022-03-02 08:00	2.75	3.35	3.53	3.53	5	6	6
2022-03-02 09:00	1.64	2.3	2.53	2.58	4	4	4
2022-03-02 10:00	1.93	2.67	2.94	2.94	4	5	5
2022-03-02 11:00	2.03	2.87	3.3	3.44	5	5	5
2022-03-02 12:00	2.01	2.84	3.25	3.3	4	5	5
2022-03-02 13:00	2.04	2.86	3.29	3.44	4	5	5
2022-03-02 14:00	2.03	2.86	3.31	3.45	4	5	5
2022-03-02 15:00	2.12	2.97	3.41	3.5	5	5	6
2022-03-02 16:00	1.86	2.65	3.07	3.07	4	5	5
2022-03-02 17:00	1.85	2.68	3.1	3.1	4	5	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-02 18:00	1.86	2.75	3.2	3.2	4	5	5
2022-03-02 19:00	1.84	2.73	3.2	3.3	4	5	5
2022-03-02 20:00	1.88	2.78	3.17	3.32	4	5	5
2022-03-02 21:00	2	3	3.46	3.46	5	5	5
2022-03-02 22:00	2.06	3.13	3.6	3.74	5	6	6
2022-03-02 23:00	2.01	3.05	3.47	3.47	5	5	5
2022-03-03 00:00	2	3.02	3.47	3.47	5	5	5
2022-03-03 01:00	1.98	2.97	3.38	3.57	5	5	6
2022-03-03 02:00	2.02	2.97	3.35	3.4	5	5	5
2022-03-03 03:00	1.93	2.77	3.08	3.08	4	5	5
2022-03-03 04:00	1.77	2.5	2.74	2.78	4	4	4
2022-03-03 05:00	1.82	2.55	2.85	2.99	4	4	5
2022-03-03 06:00	1.97	2.81	3.17	3.26	4	5	5
2022-03-03 07:00	2.04	2.89	3.23	3.23	5	5	5
2022-03-03 08:00	2.11	3	3.36	3.36	5	5	5
2022-03-03 09:00	2.09	3	3.37	3.47	5	5	5
2022-03-03 10:00	2.07	3	3.38	3.38	5	5	5
2022-03-03 11:00	2.04	2.95	3.35	3.49	5	5	5
2022-03-03 12:00	1.8	2.65	3.04	3.04	4	5	5
2022-03-03 13:00	1.68	2.47	2.82	2.86	4	4	4
2022-03-03 14:00	1.62	2.36	2.71	2.81	4	4	4
2022-03-03 15:00	1.66	2.41	2.76	2.91	4	4	5
2022-03-03 16:00	1.47	2.14	2.47	2.66	3	4	4
2022-03-03 17:00	1.43	2.08	2.4	2.45	3	4	4
2022-03-03 18:00	1.38	2.02	2.3	2.34	3	4	4
2022-03-03 19:00	1.33	1.93	2.21	2.45	3	3	4
2022-03-03 20:00	1.3	1.88	2.15	2.15	3	3	3
2022-03-03 21:00	1.29	1.88	2.13	2.13	3	3	3
2022-03-03 22:00	1.3	1.89	2.16	2.21	3	3	3
2022-03-03 23:00	1.23	1.79	2.11	2.16	3	3	3
2022-03-04 00:00	1.29	1.88	2.22	2.27	3	3	4
2022-03-04 01:00	1.51	2.18	2.62	2.66	3	4	4
2022-03-04 02:00	1.44	2.03	2.37	2.42	3	4	4
2022-03-04 03:00	1.46	2.07	2.46	2.51	3	4	4
2022-03-04 04:00	1.33	1.87	2.17	2.17	3	3	3
2022-03-04 05:00	1.29	1.81	2.07	2.07	3	3	3
2022-03-04 06:00	1.51	2.1	2.38	2.38	3	4	4
2022-03-04 07:00	1.3	1.81	2.05	2.05	3	3	3
2022-03-04 08:00	1.36	1.85	2.09	2.09	3	3	3
2022-03-04 09:00	1.76	2.38	2.72	2.72	4	4	4
2022-03-04 10:00	1.49	2.09	2.46	2.46	3	4	4
2022-03-04 11:00	1.34	1.86	2.21	2.45	3	3	4
2022-03-04 12:00	1.32	1.78	2.05	2.15	3	3	3
2022-03-04 13:00	0.96	1.31	1.56	1.7	2	2	3
2022-03-04 14:00	0.85	1.16	1.36	1.41	2	2	2
2022-03-04 15:00	0.84	1.14	1.34	1.34	2	2	2
2022-03-04 16:00	0.83	1.13	1.34	1.38	2	2	2
2022-03-04 17:00	0.82	1.11	1.3	1.3	2	2	2
2022-03-04 18:00	1	1.32	1.59	1.78	2	3	3
2022-03-04 19:00	1.01	1.37	1.71	1.9	2	3	3
2022-03-04 20:00	1.88	2.71	3.61	3.8	4	6	6

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-04 21:00	2.89	3.88	4.62	4.67	6	7	7
2022-03-04 22:00	4.53	5.42	5.87	5.87	9	9	9
2022-03-04 23:00	4.56	5.52	6.02	6.02	9	9	9
2022-03-05 00:00	6.7	8.6	9.91	9.96	14	16	16
2022-03-05 01:00	6.2	7.87	8.89	8.94	12	14	14
2022-03-05 02:00	5.23	5.98	6.25	6.25	9	10	10
2022-03-05 03:00	1.39	1.76	2.01	2.06	3	3	3
2022-03-05 04:00	1.32	1.72	2.05	2.05	3	3	3
2022-03-05 05:00	1.71	2.06	2.32	2.32	3	4	4
2022-03-05 06:00	1.46	2.1	2.75	2.89	3	4	5
2022-03-05 07:00	0.89	1.19	1.39	1.49	2	2	2
2022-03-05 08:00	1.08	1.45	1.79	1.89	2	3	3
2022-03-05 09:00	1.04	1.4	1.69	1.74	2	3	3
2022-03-05 10:00	1	1.36	1.62	1.76	2	3	3
2022-03-05 11:00	1	1.35	1.7	2.03	2	3	3
2022-03-05 12:00	1.04	1.39	1.65	2.03	2	3	3
2022-03-05 13:00	1.28	1.69	2.27	3.13	3	4	5
2022-03-05 14:00	0.97	1.36	2.03	2.37	2	3	4
2022-03-05 15:00	0.95	1.32	1.8	2.08	2	3	3
2022-03-05 16:00	2.16	2.59	3.33	3.85	4	5	6
2022-03-05 17:00	11.99	13.17	14.1	14.53	21	22	23
2022-03-05 18:00	1.43	1.8	2.32	2.7	3	4	4
2022-03-05 19:00	1.35	1.79	2.28	2.47	3	4	4
2022-03-05 20:00	1.1	1.46	1.85	2	2	3	3
2022-03-05 21:00	1.09	1.45	1.79	1.89	2	3	3
2022-03-05 22:00	1.3	1.67	2.07	2.21	3	3	3
2022-03-05 23:00	1.47	1.82	2.1	2.24	3	3	4
2022-03-06 00:00	1.06	1.39	1.69	1.74	2	3	3
2022-03-06 01:00	0.97	1.27	1.51	1.51	2	2	2
2022-03-06 02:00	0.78	1.08	1.31	1.4	2	2	2
2022-03-06 03:00	0.75	1.04	1.27	1.32	2	2	2
2022-03-06 04:00	0.73	1	1.21	1.26	2	2	2
2022-03-06 05:00	0.74	1.04	1.35	1.35	2	2	2
2022-03-06 06:00	0.73	1	1.22	1.22	2	2	2
2022-03-06 07:00	0.7	0.95	1.16	1.16	1	2	2
2022-03-06 08:00	0.71	0.96	1.12	1.12	2	2	2
2022-03-06 09:00	0.8	1.05	1.2	1.29	2	2	2
2022-03-06 10:00	1.3	1.64	2.03	2.77	3	3	4
2022-03-06 11:00	1.5	1.8	2.03	2.17	3	3	3
2022-03-06 12:00	1.68	1.98	2.24	2.38	3	4	4
2022-03-06 13:00	0.65	0.95	1.21	1.35	1	2	2
2022-03-06 14:00	0.58	0.88	1.12	1.17	1	2	2
2022-03-06 15:00	0.5	0.73	0.94	0.94	1	1	1
2022-03-06 16:00	0.61	0.82	0.96	1.01	1	2	2
2022-03-06 17:00	0.49	0.68	0.82	0.87	1	1	1
2022-03-06 18:00	3.94	4.25	4.43	4.52	7	7	7
2022-03-06 19:00	1.7	1.93	2.09	2.09	3	3	3
2022-03-06 20:00	0.5	0.71	0.84	0.84	1	1	1
2022-03-06 21:00	0.56	0.77	0.9	0.9	1	1	1
2022-03-06 22:00	0.61	0.82	0.93	0.98	1	1	2
2022-03-06 23:00	1.1	1.46	1.81	1.86	2	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-07 00:00	1.3	1.61	1.96	2.06	3	3	3
2022-03-07 01:00	1.19	1.51	1.77	1.82	2	3	3
2022-03-07 02:00	0.97	1.26	1.46	1.46	2	2	2
2022-03-07 03:00	1.42	1.81	2.24	2.24	3	4	4
2022-03-07 04:00	1.12	1.4	1.62	1.66	2	3	3
2022-03-07 05:00	1.06	1.32	1.56	1.65	2	2	3
2022-03-07 06:00	1.16	1.43	1.66	1.66	2	3	3
2022-03-07 07:00	1.18	1.45	1.66	1.76	2	3	3
2022-03-07 08:00	1.08	1.34	1.53	1.57	2	2	2
2022-03-07 09:00	1.24	1.5	1.79	1.84	2	3	3
2022-03-07 10:00	0.96	1.23	1.48	1.53	2	2	2
2022-03-07 11:00	1.11	1.37	1.59	1.68	2	3	3
2022-03-07 12:00	1.83	2.08	2.28	2.28	3	4	4
2022-03-07 13:00	0.69	0.9	1.07	1.17	1	2	2
2022-03-07 14:00	0.63	0.83	1.02	1.02	1	2	2
2022-03-07 15:00	0.55	0.74	0.91	0.99	1	1	2
2022-03-07 16:00	0.55	0.74	0.91	0.92	1	1	1
2022-03-07 17:00	0.56	0.72	0.88	0.88	1	1	1
2022-03-07 18:00	0.45	0.6	0.74	0.74	1	1	1
2022-03-07 19:00	0.47	0.61	0.71	0.71	1	1	1
2022-03-07 20:00	0.62	0.79	1.03	1.17	1	2	2
2022-03-07 21:00	0.57	0.74	0.97	1.26	1	2	2
2022-03-07 22:00	0.59	0.75	0.91	1.01	1	1	2
2022-03-07 23:00	0.69	0.85	0.99	0.99	1	2	2
2022-03-08 00:00	0.63	0.78	0.87	0.92	1	1	1
2022-03-08 01:00	0.72	0.89	1.03	1.08	1	2	2
2022-03-08 02:00	0.93	1.13	1.3	1.44	2	2	2
2022-03-08 03:00	1.38	1.65	1.85	1.95	3	3	3
2022-03-08 04:00	1.99	2.33	2.66	3.18	4	4	5
2022-03-08 05:00	2.62	3.01	3.37	4	5	5	6
2022-03-08 06:00	3.25	3.71	4.12	4.31	6	6	7
2022-03-08 07:00	3.84	4.87	5.64	5.97	8	9	9
2022-03-08 08:00	6.67	9.03	10.1	10.19	14	16	16
2022-03-08 09:00	8.06	10.67	11.81	11.95	17	19	19
2022-03-08 10:00	7.91	10	11.18	11.52	16	18	18
2022-03-08 11:00	7.13	8.73	9.7	9.94	14	15	16
2022-03-08 12:00	6.14	7.28	8.03	8.27	11	13	13
2022-03-08 13:00	5.14	5.94	6.43	6.72	9	10	11
2022-03-08 14:00	3.7	4.26	4.65	4.89	7	7	8
2022-03-08 15:00	1.94	2.28	2.59	2.87	4	4	5
2022-03-08 16:00	1.12	1.35	1.82	2.78	2	3	4
2022-03-08 17:00	1.33	1.56	1.79	1.93	2	3	3
2022-03-08 18:00	3.11	3.62	3.99	4.71	6	6	7
2022-03-08 19:00	3.64	3.96	4.14	4.14	6	7	7
2022-03-08 20:00	2.6	2.88	3.07	3.26	5	5	5
2022-03-08 21:00	1.41	1.76	2.86	4.25	3	4	7
2022-03-08 22:00	1.61	1.97	2.77	3.91	3	4	6
2022-03-08 23:00	2.5	2.84	3.63	4.44	4	6	7
2022-03-09 00:00	1.25	1.56	2.27	3.23	2	4	5
2022-03-09 01:00	1.42	1.69	2.26	3.65	3	4	6
2022-03-09 02:00	1.19	1.44	1.95	3.05	2	3	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-09 03:00	1.92	2.22	2.6	3.56	3	4	6
2022-03-09 04:00	2.07	2.47	2.83	3.88	4	4	6
2022-03-09 05:00	2.79	3.24	3.52	3.9	5	6	6
2022-03-09 06:00	1.8	2.09	2.34	2.48	3	4	4
2022-03-09 07:00	0.72	1.01	1.19	1.19	2	2	2
2022-03-09 08:00	2.23	2.59	2.78	2.83	4	4	4
2022-03-09 09:00	0.77	1.15	1.3	1.4	2	2	2
2022-03-09 10:00	0.81	1.22	1.49	2.27	2	2	4
2022-03-09 11:00	0.74	1.06	1.53	3.34	2	2	5
2022-03-09 12:00	0.76	1.07	1.36	2.13	2	2	3
2022-03-09 13:00	0.87	1.25	1.61	2.43	2	3	4
2022-03-09 14:00	0.98	1.45	1.77	2.77	2	3	4
2022-03-09 15:00	1.3	1.97	2.32	2.8	3	4	4
2022-03-09 16:00	1.15	1.7	2.01	2.3	3	3	4
2022-03-09 17:00	1.01	1.49	1.76	1.96	2	3	3
2022-03-09 18:00	0.89	1.29	1.47	1.62	2	2	3
2022-03-09 19:00	0.9	1.31	1.51	1.84	2	2	3
2022-03-09 20:00	0.87	1.27	1.49	1.64	2	2	3
2022-03-09 21:00	0.86	1.26	1.49	1.64	2	2	3
2022-03-09 22:00	0.83	1.2	1.4	1.44	2	2	2
2022-03-09 23:00	0.76	1.09	1.36	1.75	2	2	3
2022-03-10 00:00	0.75	1.08	1.23	1.33	2	2	2
2022-03-10 01:00	0.83	1.2	1.38	1.38	2	2	2
2022-03-10 02:00	0.81	1.17	1.36	1.46	2	2	2
2022-03-10 03:00	0.9	1.28	1.43	1.48	2	2	2
2022-03-10 04:00	0.77	1.12	1.21	1.21	2	2	2
2022-03-10 05:00	0.73	1.05	1.15	1.19	2	2	2
2022-03-10 06:00	0.79	1.12	1.26	1.26	2	2	2
2022-03-10 07:00	0.87	1.2	1.32	1.32	2	2	2
2022-03-10 08:00	1.02	1.4	1.59	1.59	2	3	3
2022-03-10 09:00	0.86	1.23	1.39	1.62	2	2	3
2022-03-10 10:00	0.83	1.18	1.35	1.45	2	2	2
2022-03-10 11:00	0.84	1.18	1.31	1.36	2	2	2
2022-03-10 12:00	0.84	1.18	1.35	1.6	2	2	3
2022-03-10 13:00	0.82	1.13	1.39	1.67	2	2	3
2022-03-10 14:00	0.8	1.11	1.39	1.72	2	2	3
2022-03-10 15:00	0.76	1.07	1.42	2.09	2	2	3
2022-03-10 16:00	0.73	1.04	1.38	2.46	2	2	4
2022-03-10 17:00	0.68	0.99	1.28	1.65	2	2	3
2022-03-10 18:00	0.58	0.91	1.33	2	1	2	3
2022-03-10 19:00	0.69	1.15	1.57	2.34	2	2	4
2022-03-10 20:00	0.8	1.23	1.71	2.16	2	3	3
2022-03-10 21:00	0.89	1.34	1.76	1.98	2	3	3
2022-03-10 22:00	0.89	1.34	1.73	1.88	2	3	3
2022-03-10 23:00	1.14	1.64	2.02	2.02	3	3	3
2022-03-11 00:00	0.88	1.28	1.56	1.61	2	2	3
2022-03-11 01:00	1.08	1.49	1.82	1.87	2	3	3
2022-03-11 02:00	1.76	2.35	2.95	3	4	5	5
2022-03-11 03:00	0.93	1.32	1.68	1.68	2	3	3
2022-03-11 04:00	0.79	1.17	1.46	1.56	2	2	2
2022-03-11 05:00	0.86	1.25	1.52	1.57	2	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-11 06:00	1.44	1.89	2.2	2.24	3	3	4
2022-03-11 07:00	0.91	1.32	1.6	1.65	2	3	3
2022-03-11 08:00	1.04	1.41	1.93	3.39	2	3	5
2022-03-11 09:00	0.9	1.27	1.68	2.66	2	3	4
2022-03-11 10:00	0.98	1.36	1.62	1.95	2	3	3
2022-03-11 11:00	1.01	1.34	1.63	2.25	2	3	4
2022-03-11 12:00	1.02	1.44	1.79	2.03	2	3	3
2022-03-11 13:00	1.21	1.79	2.2	2.54	3	3	4
2022-03-11 14:00	0.91	1.3	1.54	1.87	2	2	3
2022-03-11 15:00	3.17	4.11	4.32	4.61	6	7	7
2022-03-11 16:00	1.28	1.7	1.88	2.03	3	3	3
2022-03-11 17:00	0.86	1.29	1.47	1.76	2	2	3
2022-03-11 18:00	0.78	1.15	1.35	1.4	2	2	2
2022-03-11 19:00	0.76	1.17	1.4	1.4	2	2	2
2022-03-11 20:00	0.73	1.13	1.26	1.36	2	2	2
2022-03-11 21:00	0.72	1.14	1.32	1.36	2	2	2
2022-03-11 22:00	0.83	1.25	1.42	1.47	2	2	2
2022-03-11 23:00	0.79	1.27	1.42	1.47	2	2	2
2022-03-12 00:00	0.94	1.52	1.71	1.85	2	3	3
2022-03-12 01:00	1.01	1.63	1.83	1.88	3	3	3
2022-03-12 02:00	0.99	1.61	1.81	1.86	3	3	3
2022-03-12 03:00	0.92	1.49	1.68	1.73	2	3	3
2022-03-12 04:00	0.87	1.41	1.63	1.67	2	3	3
2022-03-12 05:00	0.81	1.32	1.54	1.78	2	2	3
2022-03-12 06:00	0.84	1.32	1.5	1.55	2	2	2
2022-03-12 07:00	1.02	1.5	1.7	1.7	2	3	3
2022-03-12 08:00	0.86	1.36	1.58	1.82	2	2	3
2022-03-12 09:00	0.93	1.5	1.87	2.44	2	3	4
2022-03-12 10:00	0.96	1.54	1.81	2	2	3	3
2022-03-12 11:00	0.94	1.52	1.76	1.81	2	3	3
2022-03-12 12:00	0.87	1.41	1.64	1.69	2	3	3
2022-03-12 13:00	0.78	1.27	1.52	1.76	2	2	3
2022-03-12 14:00	0.84	1.37	1.63	1.86	2	3	3
2022-03-12 15:00	0.87	1.4	1.71	1.81	2	3	3
2022-03-12 16:00	0.75	1.23	1.54	1.68	2	2	3
2022-03-12 17:00	0.79	1.27	1.6	1.64	2	3	3
2022-03-12 18:00	0.8	1.33	1.74	2.45	2	3	4
2022-03-12 19:00	0.81	1.42	2.03	2.57	2	3	4
2022-03-12 20:00	0.79	1.36	1.81	2.58	2	3	4
2022-03-12 21:00	0.77	1.33	1.67	1.95	2	3	3
2022-03-12 22:00	0.77	1.31	1.65	1.98	2	3	3
2022-03-12 23:00	0.78	1.33	1.7	2.04	2	3	3
2022-03-13 00:00	0.77	1.31	1.64	1.69	2	3	3
2022-03-13 01:00	4.04	4.87	5.59	5.64	8	9	9
2022-03-13 02:00	4.09	4.87	5.44	5.49	8	9	9
2022-03-13 03:00	1.03	1.51	1.78	1.88	2	3	3
2022-03-13 04:00	0.66	1.1	1.31	1.36	2	2	2
2022-03-13 05:00	0.64	1.07	1.29	1.34	2	2	2
2022-03-13 06:00	0.63	1.03	1.2	1.2	2	2	2
2022-03-13 07:00	0.72	1.12	1.29	1.29	2	2	2
2022-03-13 08:00	1.89	3.16	3.99	4.03	5	6	6

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-13 09:00	0.95	1.51	1.95	2.14	2	3	3
2022-03-13 10:00	1.51	2.04	2.41	2.7	3	4	4
2022-03-13 11:00	0.91	1.44	1.74	1.74	2	3	3
2022-03-13 12:00	0.79	1.33	1.63	1.68	2	3	3
2022-03-13 13:00	0.77	1.33	1.59	1.73	2	3	3
2022-03-13 14:00	0.65	1.17	1.38	1.38	2	2	2
2022-03-13 15:00	0.62	1.12	1.33	1.33	2	2	2
2022-03-13 16:00	0.59	1.09	1.32	1.41	2	2	2
2022-03-13 17:00	0.64	1.16	1.38	1.43	2	2	2
2022-03-13 18:00	0.66	1.16	1.38	1.43	2	2	2
2022-03-13 19:00	0.64	1.13	1.35	1.35	2	2	2
2022-03-13 20:00	0.67	1.14	1.39	1.44	2	2	2
2022-03-13 21:00	0.67	1.14	1.38	1.48	2	2	2
2022-03-13 22:00	0.65	1.09	1.34	1.38	2	2	2
2022-03-13 23:00	0.67	1.11	1.39	1.44	2	2	2
2022-03-14 00:00	0.72	1.17	1.5	1.55	2	2	2
2022-03-14 01:00	0.74	1.18	1.52	1.57	2	2	2
2022-03-14 02:00	0.78	1.25	1.58	1.63	2	2	3
2022-03-14 03:00	0.85	1.34	1.75	1.79	2	3	3
2022-03-14 04:00	0.87	1.36	1.77	1.82	2	3	3
2022-03-14 05:00	0.86	1.34	1.73	1.73	2	3	3
2022-03-14 06:00	0.84	1.28	1.65	1.69	2	3	3
2022-03-14 07:00	0.86	1.28	1.59	1.63	2	3	3
2022-03-14 08:00	0.82	1.24	1.57	1.76	2	2	3
2022-03-14 09:00	0.8	1.24	1.6	1.7	2	3	3
2022-03-14 10:00	0.77	1.18	1.49	1.54	2	2	2
2022-03-14 11:00	0.71	1.08	1.41	1.55	2	2	2
2022-03-14 12:00	0.74	1.06	1.28	1.33	2	2	2
2022-03-14 13:00	0.62	0.91	1.17	1.41	1	2	2
2022-03-14 14:00	0.51	0.78	0.95	1	1	1	2
2022-03-14 15:00	0.48	0.72	0.89	1.03	1	1	2
2022-03-14 16:00	0.44	0.66	0.81	0.9	1	1	1
2022-03-14 17:00	0.39	0.6	0.76	0.91	1	1	1
2022-03-14 18:00	0.33	0.52	0.63	0.63	1	1	1
2022-03-14 19:00	0.28	0.45	0.59	0.85	1	1	1
2022-03-14 20:00	0.29	0.46	0.55	0.55	1	1	1
2022-03-14 21:00	0.49	0.77	0.93	0.93	1	1	1
2022-03-14 22:00	0.32	0.48	0.56	0.56	1	1	1
2022-03-14 23:00	0.31	0.45	0.53	0.53	1	1	1
2022-03-15 00:00	0.33	0.48	0.57	0.57	1	1	1
2022-03-15 01:00	0.41	0.6	0.71	0.71	1	1	1
2022-03-15 02:00	0.75	1.06	1.26	1.42	2	2	2
2022-03-15 03:00	0.51	0.79	1.06	1.29	1	2	2
2022-03-15 04:00	0.52	0.8	1.08	1.73	1	2	3
2022-03-15 05:00	0.58	0.86	1.07	1.26	1	2	2
2022-03-15 06:00	0.65	0.94	1.14	1.19	1	2	2
2022-03-15 07:00	0.72	1.24	1.61	1.7	2	3	3
2022-03-15 08:00	1.01	2.31	3.06	3.54	4	5	6
2022-03-15 09:00	2.06	4.31	5.76	6.95	7	9	11
2022-03-15 10:00	4.59	6.95	8.52	8.95	11	13	14
2022-03-15 11:00	5.4	6.56	7.15	7.25	10	11	11

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-15 12:00	5.12	6.21	6.77	6.77	10	11	11
2022-03-15 13:00	3.5	4.11	4.43	4.53	6	7	7
2022-03-15 14:00	3.73	4.38	4.67	4.67	7	7	7
2022-03-15 15:00	4.49	5.28	5.61	5.65	8	9	9
2022-03-15 16:00	4.68	5.36	5.67	5.71	8	9	9
2022-03-15 17:00	4.14	4.72	5.04	5.52	7	8	9
2022-03-15 18:00	4.19	4.86	5.14	5.14	8	8	8
2022-03-15 19:00	3.85	4.55	4.84	4.84	7	8	8
2022-03-15 20:00	3.34	3.95	4.24	4.29	6	7	7
2022-03-15 21:00	2.41	2.84	3.03	3.08	4	5	5
2022-03-15 22:00	1.99	2.33	2.47	2.52	4	4	4
2022-03-15 23:00	1.64	1.88	1.99	1.99	3	3	3
2022-03-16 00:00	2.34	3.66	4.59	4.59	6	7	7
2022-03-16 01:00	3.14	4.85	6.43	6.43	8	10	10
2022-03-16 02:00	3.76	4.96	5.92	6.02	8	9	9
2022-03-16 03:00	4.12	4.65	6.11	19	7	10	30
2022-03-16 04:00	5.17	5.97	8.22	23.64	9	13	37
2022-03-16 05:00	5.8	6.87	9.63	26.94	11	15	42
2022-03-16 06:00	5.48	6.85	10.38	33.96	11	16	53
2022-03-16 07:00	4.09	4.64	6.97	27.19	7	11	43
2022-03-16 08:00	3.45	3.81	4.65	9.34	6	7	15
2022-03-16 09:00	2.98	3.18	3.26	3.36	5	5	5
2022-03-16 10:00	3.21	3.58	4.02	4.02	6	6	6
2022-03-16 11:00	2.75	3.14	3.63	3.68	5	6	6
2022-03-16 12:00	2.14	2.39	2.63	2.68	4	4	4
2022-03-16 13:00	1.93	2.22	2.47	2.51	3	4	4
2022-03-16 14:00	1.53	1.76	2.02	2.02	3	3	3
2022-03-16 15:00	2.29	2.68	3.24	3.38	4	5	5
2022-03-16 16:00	1.84	2.13	2.55	2.69	3	4	4
2022-03-16 17:00	1.42	1.63	2.02	2.12	3	3	3
2022-03-16 18:00	3.25	3.89	4.98	5.13	6	8	8
2022-03-16 19:00	1.92	2.26	2.84	2.89	4	4	5
2022-03-16 20:00	0.73	0.82	0.89	0.89	1	1	1
2022-03-16 21:00	0.88	0.99	1.1	1.25	2	2	2
2022-03-16 22:00	0.99	1.13	1.24	1.43	2	2	2
2022-03-16 23:00	1.12	1.32	1.41	1.46	2	2	2
2022-03-17 00:00	1.16	1.26	1.3	1.3	2	2	2
2022-03-17 01:00	1.15	1.27	1.31	1.36	2	2	2
2022-03-17 02:00	1.65	1.9	1.99	2.03	3	3	3
2022-03-17 03:00	1.83	2.14	2.23	2.23	3	4	4
2022-03-17 04:00	1.53	1.75	1.82	1.82	3	3	3
2022-03-17 05:00	1.36	1.55	1.61	1.66	2	3	3
2022-03-17 06:00	1.37	1.57	1.65	1.7	2	3	3
2022-03-17 07:00	1.22	1.42	1.51	1.51	2	2	2
2022-03-17 08:00	1.9	2.11	2.21	2.21	3	3	3
2022-03-17 09:00	3.9	4.12	4.22	4.27	6	7	7
2022-03-17 10:00	1.13	1.27	1.38	1.43	2	2	2
2022-03-17 11:00	1.3	1.43	1.55	1.6	2	2	3
2022-03-17 12:00	3.88	4.05	4.18	4.22	6	7	7
2022-03-17 13:00	0.82	0.94	1.05	1.05	1	2	2
2022-03-17 14:00	0.79	0.9	1.02	1.02	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-17 15:00	0.74	0.88	1.01	1.01	1	2	2
2022-03-17 16:00	0.7	0.84	0.99	0.99	1	2	2
2022-03-17 17:00	0.69	0.84	0.97	0.97	1	2	2
2022-03-17 18:00	0.64	0.81	0.92	0.92	1	1	1
2022-03-17 19:00	0.69	0.84	0.97	0.97	1	2	2
2022-03-17 20:00	1.05	1.21	1.34	1.44	2	2	2
2022-03-17 21:00	1.31	1.4	1.45	1.45	2	2	2
2022-03-17 22:00	0.95	1.03	1.05	1.05	2	2	2
2022-03-17 23:00	1.43	1.67	2.02	2.06	3	3	3
2022-03-18 00:00	2.48	2.98	3.69	3.69	5	6	6
2022-03-18 01:00	1.44	1.62	1.84	1.84	3	3	3
2022-03-18 02:00	1.94	2.06	2.18	2.23	3	3	4
2022-03-18 03:00	0.97	1.03	1.06	1.06	2	2	2
2022-03-18 04:00	0.93	1.06	1.18	1.23	2	2	2
2022-03-18 05:00	2.21	2.64	3.23	3.28	4	5	5
2022-03-18 06:00	2.94	3.49	4.26	4.35	5	7	7
2022-03-18 07:00	2.1	2.63	2.99	2.99	4	5	5
2022-03-18 08:00	1.82	2.05	2.28	2.28	3	4	4
2022-03-18 09:00	1.4	1.58	1.74	1.83	2	3	3
2022-03-18 10:00	0.87	1.08	1.24	1.24	2	2	2
2022-03-18 11:00	0.97	1.23	1.44	1.49	2	2	2
2022-03-18 12:00	0.69	0.95	1.22	1.26	1	2	2
2022-03-18 13:00	0.5	0.73	0.98	0.98	1	2	2
2022-03-18 14:00	0.38	0.59	0.83	0.87	1	1	1
2022-03-18 15:00	0.32	0.52	0.74	0.74	1	1	1
2022-03-18 16:00	0.34	0.54	0.72	0.82	1	1	1
2022-03-18 17:00	0.37	0.55	0.73	0.73	1	1	1
2022-03-18 18:00	0.41	0.6	0.79	0.83	1	1	1
2022-03-18 19:00	0.4	0.57	0.71	0.71	1	1	1
2022-03-18 20:00	0.39	0.54	0.66	0.71	1	1	1
2022-03-18 21:00	0.42	0.57	0.71	0.71	1	1	1
2022-03-18 22:00	0.42	0.57	0.7	0.7	1	1	1
2022-03-18 23:00	0.45	0.61	0.73	0.73	1	1	1
2022-03-19 00:00	0.51	0.66	0.78	0.78	1	1	1
2022-03-19 01:00	0.5	0.65	0.76	0.76	1	1	1
2022-03-19 02:00	0.45	0.58	0.69	0.74	1	1	1
2022-03-19 03:00	0.43	0.54	0.63	0.73	1	1	1
2022-03-19 04:00	0.43	0.54	0.64	0.64	1	1	1
2022-03-19 05:00	0.49	0.59	0.69	0.74	1	1	1
2022-03-19 06:00	0.63	0.76	0.87	0.92	1	1	1
2022-03-19 07:00	0.97	1.14	1.31	1.36	2	2	2
2022-03-19 08:00	1.33	1.52	1.75	1.84	2	3	3
2022-03-19 09:00	1.76	2	2.32	2.52	3	4	4
2022-03-19 10:00	1.86	2.1	2.38	2.56	3	4	4
2022-03-19 11:00	1.85	2.07	2.37	2.47	3	4	4
2022-03-19 12:00	1.78	2	2.28	2.28	3	4	4
2022-03-19 13:00	1.36	1.57	1.85	2.04	2	3	3
2022-03-19 14:00	1.05	1.27	1.56	1.61	2	2	3
2022-03-19 15:00	0.71	0.89	1.19	1.24	1	2	2
2022-03-19 16:00	2.62	2.9	3.15	3.2	5	5	5
2022-03-19 17:00	1.69	1.91	2.18	2.23	3	3	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-19 18:00	0.84	1.05	1.31	1.41	2	2	2
2022-03-19 19:00	2.31	2.74	3.24	3.34	4	5	5
2022-03-19 20:00	0.71	0.9	1.12	1.17	1	2	2
2022-03-19 21:00	0.5	0.68	0.86	0.91	1	1	1
2022-03-19 22:00	2.79	3.68	4.26	4.35	6	7	7
2022-03-19 23:00	1.31	1.73	2.03	2.03	3	3	3
2022-03-20 00:00	3.33	4.38	4.96	5	7	8	8
2022-03-20 01:00	1.58	2.05	2.33	2.33	3	4	4
2022-03-20 02:00	0.5	0.65	0.77	0.77	1	1	1
2022-03-20 03:00	0.59	0.75	0.86	0.86	1	1	1
2022-03-20 04:00	7.43	8.06	8.17	8.17	13	13	13
2022-03-20 05:00	2.57	2.7	2.79	2.79	4	4	4
2022-03-20 06:00	2.1	2.28	2.44	2.44	4	4	4
2022-03-20 07:00	2.26	2.52	2.75	2.75	4	4	4
2022-03-20 08:00	1.35	1.53	1.63	1.63	2	3	3
2022-03-20 09:00	1.82	2.14	2.38	2.43	3	4	4
2022-03-20 10:00	1.65	1.97	2.27	2.27	3	4	4
2022-03-20 11:00	1.15	1.39	1.66	1.75	2	3	3
2022-03-20 12:00	0.97	1.18	1.39	1.39	2	2	2
2022-03-20 13:00	1.16	1.39	1.65	1.65	2	3	3
2022-03-20 14:00	0.91	1.1	1.28	1.28	2	2	2
2022-03-20 15:00	1.03	1.24	1.45	1.45	2	2	2
2022-03-20 16:00	1.38	1.68	2.04	2.18	3	3	3
2022-03-20 17:00	1.41	1.73	2.09	2.14	3	3	3
2022-03-20 18:00	1.54	1.88	2.25	2.49	3	4	4
2022-03-20 19:00	2.8	3.11	3.52	3.66	5	6	6
2022-03-20 20:00	3.66	3.97	4.12	4.21	6	6	7
2022-03-20 21:00	1.68	2.08	2.24	2.29	3	4	4
2022-03-20 22:00	1.46	1.93	2.29	2.38	3	4	4
2022-03-20 23:00	1.29	1.79	2.22	2.36	3	3	4
2022-03-21 00:00	1.39	1.97	2.5	2.6	3	4	4
2022-03-21 01:00	1.59	2.23	2.79	2.84	4	4	4
2022-03-21 02:00	1.13	1.63	2.01	2.06	3	3	3
2022-03-21 03:00	1.12	1.6	2.04	2.09	3	3	3
2022-03-21 04:00	0.6	0.94	1.12	1.22	1	2	2
2022-03-21 05:00	0.59	0.92	1.11	1.11	1	2	2
2022-03-21 06:00	0.71	1.07	1.32	1.42	2	2	2
2022-03-21 07:00	1.25	1.78	2.28	2.43	3	4	4
2022-03-21 08:00	0.62	0.98	1.21	1.21	2	2	2
2022-03-21 09:00	0.53	0.85	1.04	1.28	1	2	2
2022-03-21 10:00	0.52	0.83	1.02	1.02	1	2	2
2022-03-21 11:00	0.52	0.84	1.07	1.26	1	2	2
2022-03-21 12:00	0.87	1.24	1.53	1.53	2	2	2
2022-03-21 13:00	0.47	0.75	0.95	1.05	1	1	2
2022-03-21 14:00	0.45	0.73	0.95	1.05	1	1	2
2022-03-21 15:00	0.4	0.65	0.83	0.93	1	1	1
2022-03-21 16:00	0.43	0.71	0.92	1.16	1	1	2
2022-03-21 17:00	0.49	0.78	1.05	1.19	1	2	2
2022-03-21 18:00	0.41	0.66	0.88	1.36	1	1	2
2022-03-21 19:00	0.41	0.67	0.89	1.09	1	1	2
2022-03-21 20:00	0.4	0.66	0.9	1.14	1	1	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-21 21:00	0.34	0.57	0.78	1.17	1	1	2
2022-03-21 22:00	0.32	0.56	0.78	1.02	1	1	2
2022-03-21 23:00	0.32	0.56	0.78	1.07	1	1	2
2022-03-22 00:00	0.33	0.57	0.74	0.94	1	1	1
2022-03-22 01:00	0.36	0.6	0.82	1.01	1	1	2
2022-03-22 02:00	0.35	0.59	0.77	0.77	1	1	1
2022-03-22 03:00	0.35	0.58	0.78	0.92	1	1	1
2022-03-22 04:00	0.38	0.68	1.48	4.74	1	2	7
2022-03-22 05:00	0.4	0.7	1.24	2.77	1	2	4
2022-03-22 06:00	0.4	0.71	1.2	2.26	1	2	4
2022-03-22 07:00	0.41	0.72	1.27	2.94	1	2	5
2022-03-22 08:00	0.42	0.7	1.19	2.63	1	2	4
2022-03-22 09:00	0.44	0.71	1.08	1.95	1	2	3
2022-03-22 10:00	0.45	0.72	1.11	1.83	1	2	3
2022-03-22 11:00	0.47	0.73	1.09	1.94	1	2	3
2022-03-22 12:00	0.46	0.7	1	1.58	1	2	2
2022-03-22 13:00	0.52	0.78	1.01	1.21	1	2	2
2022-03-22 14:00	0.5	0.74	0.92	1.11	1	1	2
2022-03-22 15:00	0.42	0.61	0.75	0.85	1	1	1
2022-03-22 16:00	0.41	0.6	0.75	0.75	1	1	1
2022-03-22 17:00	0.41	0.59	0.72	0.72	1	1	1
2022-03-22 18:00	0.38	0.53	0.66	0.66	1	1	1
2022-03-22 19:00	0.39	0.56	0.68	0.73	1	1	1
2022-03-22 20:00	0.4	0.57	0.68	0.68	1	1	1
2022-03-22 21:00	0.39	0.56	0.66	0.66	1	1	1
2022-03-22 22:00	0.37	0.53	0.64	0.64	1	1	1
2022-03-22 23:00	0.7	0.91	1.13	1.13	1	2	2
2022-03-23 00:00	1.04	1.32	1.69	1.74	2	3	3
2022-03-23 01:00	0.88	1.14	1.41	1.41	2	2	2
2022-03-23 02:00	0.66	0.88	1.1	1.1	1	2	2
2022-03-23 03:00	0.74	0.99	1.21	1.25	2	2	2
2022-03-23 04:00	1.8	2.22	2.42	2.42	3	4	4
2022-03-23 05:00	0.77	1.16	1.42	1.42	2	2	2
2022-03-23 06:00	0.81	1.1	1.36	1.36	2	2	2
2022-03-23 07:00	0.54	0.75	0.9	1.04	1	1	2
2022-03-23 08:00	0.61	0.83	0.98	0.98	1	2	2
2022-03-23 09:00	0.77	1.04	1.28	1.52	2	2	2
2022-03-23 10:00	0.63	0.88	1.08	1.13	1	2	2
2022-03-23 11:00	0.53	0.75	0.9	0.9	1	1	1
2022-03-23 12:00	0.58	0.78	0.95	0.95	1	1	1
2022-03-23 13:00	0.53	0.71	0.88	0.98	1	1	2
2022-03-23 14:00	0.48	0.63	0.75	0.8	1	1	1
2022-03-23 15:00	0.53	0.68	0.82	0.82	1	1	1
2022-03-23 16:00	0.59	0.76	0.94	1.08	1	1	2
2022-03-23 17:00	1.68	4.68	17.51	45.82	7	28	72
2022-03-23 18:00	0.48	0.66	0.83	0.97	1	1	2
2022-03-23 19:00	0.89	1.23	1.68	1.78	2	3	3
2022-03-23 20:00	2.01	2.39	2.92	3.16	4	5	5
2022-03-23 21:00	0.36	0.48	0.59	0.59	1	1	1
2022-03-23 22:00	0.39	0.49	0.56	0.56	1	1	1
2022-03-23 23:00	0.76	1.15	1.28	1.28	2	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-24 00:00	2.7	5.13	6.26	6.26	8	10	10
2022-03-24 01:00	1.76	3.15	3.93	3.98	5	6	6
2022-03-24 02:00	1.67	2.83	3.48	3.48	4	5	5
2022-03-24 03:00	0.73	1.05	1.98	9.92	2	3	16
2022-03-24 04:00	0.46	0.59	3.45	24.84	1	5	39
2022-03-24 05:00	0.53	0.72	5.52	37.68	1	9	59
2022-03-24 06:00	0.93	1.25	5.87	44.13	2	9	69
2022-03-24 07:00	0.55	0.71	9.99	91.25	1	16	144
2022-03-24 08:00	0.56	0.7	4.74	44.99	1	7	71
2022-03-24 09:00	0.54	0.64	1.49	10.53	1	2	17
2022-03-24 10:00	0.52	0.65	0.76	0.8	1	1	1
2022-03-24 11:00	0.44	0.57	0.68	0.72	1	1	1
2022-03-24 12:00	0.65	0.88	1.1	1.2	1	2	2
2022-03-24 13:00	0.54	0.78	1.09	1.14	1	2	2
2022-03-24 14:00	0.52	0.79	1.25	1.54	1	2	2
2022-03-24 15:00	0.5	0.81	1.33	1.38	1	2	2
2022-03-24 16:00	0.48	0.81	1.29	1.34	1	2	2
2022-03-24 17:00	0.51	0.83	1.28	1.38	1	2	2
2022-03-24 18:00	0.44	0.71	1.04	1.13	1	2	2
2022-03-24 19:00	0.45	0.71	0.97	0.97	1	2	2
2022-03-24 20:00	0.45	0.68	0.89	0.9	1	1	1
2022-03-24 21:00	0.42	0.63	0.86	0.89	1	1	1
2022-03-24 22:00	0.49	0.72	0.96	0.96	1	2	2
2022-03-24 23:00	0.53	0.78	1.04	1.04	1	2	2
2022-03-25 00:00	0.64	0.91	1.25	1.34	1	2	2
2022-03-25 01:00	0.68	0.96	1.29	1.29	2	2	2
2022-03-25 02:00	0.68	0.96	1.27	1.32	2	2	2
2022-03-25 03:00	0.69	0.97	1.24	1.24	2	2	2
2022-03-25 04:00	0.75	1.03	1.33	1.52	2	2	2
2022-03-25 05:00	0.82	1.08	1.38	1.47	2	2	2
2022-03-25 06:00	1.13	1.49	1.88	1.93	2	3	3
2022-03-25 07:00	0.91	1.2	1.51	1.61	2	2	3
2022-03-25 08:00	0.34	0.46	0.54	0.54	1	1	1
2022-03-25 09:00	0.09	0.14	0.2	0.2	0	0	0
2022-03-25 10:00	0.07	0.13	0.4	1.29	0	1	2
2022-03-25 11:00	0.28	0.48	1.56	4.19	1	2	7
2022-03-25 12:00	0.71	1.09	2.22	4.71	2	3	7
2022-03-25 13:00	1.02	1.59	3.08	7.65	3	5	12
2022-03-25 14:00	1.04	1.6	3.14	8.15	3	5	13
2022-03-25 15:00	1.22	1.86	3.31	7.51	3	5	12
2022-03-25 16:00	1.62	2.38	3.68	6.99	4	6	11
2022-03-25 17:00	1.45	2.16	3.44	6.31	3	5	10
2022-03-25 18:00	1.24	1.88	2.94	5.65	3	5	9
2022-03-25 19:00	1.07	1.63	2.58	5.82	3	4	9
2022-03-25 20:00	1.18	1.79	2.8	7.31	3	4	11
2022-03-25 21:00	1.37	2.11	3.34	7.51	3	5	12
2022-03-25 22:00	1.59	2.43	3.18	4.04	4	5	6
2022-03-25 23:00	1.7	2.66	3.28	4.1	4	5	6
2022-03-26 00:00	1.86	2.97	3.58	4.78	5	6	8
2022-03-26 01:00	1.82	2.92	3.42	4.13	5	5	6
2022-03-26 02:00	1.79	2.88	3.39	3.71	5	5	6

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-26 03:00	1.82	2.92	3.51	4.49	5	6	7
2022-03-26 04:00	1.88	2.99	3.7	5.28	5	6	8
2022-03-26 05:00	1.88	2.94	3.57	4.5	5	6	7
2022-03-26 06:00	1.88	2.9	3.46	4.26	5	5	7
2022-03-26 07:00	1.81	2.8	3.2	3.44	4	5	5
2022-03-26 08:00	1.57	2.4	2.68	2.77	4	4	4
2022-03-26 09:00	1.3	1.95	2.16	2.21	3	3	3
2022-03-26 10:00	1.04	1.64	1.89	1.98	3	3	3
2022-03-26 11:00	0.9	1.46	1.86	2.29	2	3	4
2022-03-26 12:00	0.87	1.41	1.66	1.73	2	3	3
2022-03-26 13:00	0.82	1.33	1.6	1.86	2	3	3
2022-03-26 14:00	0.83	1.32	1.65	2.08	2	3	3
2022-03-26 15:00	0.84	1.3	1.51	1.94	2	2	3
2022-03-26 16:00	0.98	1.51	1.74	2.51	2	3	4
2022-03-26 17:00	1.12	1.75	2.05	2.48	3	3	4
2022-03-26 18:00	1.43	2.25	2.56	2.9	4	4	5
2022-03-26 19:00	1.49	2.38	2.66	2.76	4	4	4
2022-03-26 20:00	1.32	2.11	2.32	2.32	3	4	4
2022-03-26 21:00	1.44	2.31	2.53	2.57	4	4	4
2022-03-26 22:00	1.61	2.6	2.87	2.87	4	5	5
2022-03-26 23:00	1.7	2.75	2.99	3.08	4	5	5
2022-03-27 00:00	1.62	2.61	2.86	2.91	4	4	5
2022-03-27 01:00	1.59	2.59	2.82	2.87	4	4	5
2022-03-27 02:00	1.63	2.65	2.9	3	4	5	5
2022-03-27 03:00	1.62	2.65	2.89	2.89	4	5	5
2022-03-27 04:00	1.66	2.67	2.89	2.94	4	5	5
2022-03-27 05:00	1.58	2.54	2.76	2.76	4	4	4
2022-03-27 06:00	1.58	2.54	2.78	2.88	4	4	5
2022-03-27 07:00	1.58	2.53	2.82	2.97	4	4	5
2022-03-27 08:00	1.63	2.63	3.09	3.42	4	5	5
2022-03-27 09:00	1.61	2.64	3.2	3.58	4	5	6
2022-03-27 10:00	1.46	2.53	3.32	3.85	4	5	6
2022-03-27 11:00	1.25	2.08	2.43	2.58	3	4	4
2022-03-27 12:00	1.18	1.98	2.38	2.43	3	4	4
2022-03-27 13:00	1.12	1.93	2.43	2.53	3	4	4
2022-03-27 14:00	1.07	1.9	2.43	2.57	3	4	4
2022-03-27 15:00	1.02	1.75	2.35	2.44	3	4	4
2022-03-27 16:00	1.07	1.73	2.4	2.79	3	4	4
2022-03-27 17:00	1.04	1.7	2.54	2.87	3	4	5
2022-03-27 18:00	1.13	1.76	2.31	2.5	3	4	4
2022-03-27 19:00	1.17	1.79	2.25	2.39	3	4	4
2022-03-27 20:00	1.07	1.65	2.06	2.06	3	3	3
2022-03-27 21:00	1.05	1.6	1.93	1.93	3	3	3
2022-03-27 22:00	1.14	1.72	2.16	2.4	3	3	4
2022-03-27 23:00	1.05	1.56	1.85	1.85	2	3	3
2022-03-28 00:00	1.26	1.8	2.13	2.28	3	3	4
2022-03-28 01:00	1.02	1.48	1.74	1.74	2	3	3
2022-03-28 02:00	1.02	1.46	1.69	1.78	2	3	3
2022-03-28 03:00	1.01	1.43	1.65	1.65	2	3	3
2022-03-28 04:00	1.12	1.54	1.77	1.77	2	3	3
2022-03-28 05:00	1.13	1.55	1.76	1.76	2	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-28 06:00	1.21	1.65	1.89	1.98	3	3	3
2022-03-28 07:00	1.17	1.59	1.8	1.85	3	3	3
2022-03-28 08:00	0.97	1.36	1.61	1.66	2	3	3
2022-03-28 09:00	1.01	1.45	1.76	1.76	2	3	3
2022-03-28 10:00	1.01	1.59	2.11	2.39	3	3	4
2022-03-28 11:00	0.96	1.55	2.03	2.18	2	3	3
2022-03-28 12:00	0.89	1.46	1.88	1.93	2	3	3
2022-03-28 13:00	0.84	1.38	1.8	1.85	2	3	3
2022-03-28 14:00	0.74	1.22	1.62	1.62	2	3	3
2022-03-28 15:00	0.74	1.24	1.69	1.74	2	3	3
2022-03-28 16:00	0.77	1.28	1.73	1.78	2	3	3
2022-03-28 17:00	0.79	1.31	1.77	1.77	2	3	3
2022-03-28 18:00	0.82	1.36	1.84	2.08	2	3	3
2022-03-28 19:00	0.82	1.37	1.87	1.92	2	3	3
2022-03-28 20:00	0.83	1.36	1.77	1.77	2	3	3
2022-03-28 21:00	0.85	1.37	1.77	1.77	2	3	3
2022-03-28 22:00	0.88	1.4	1.81	1.96	2	3	3
2022-03-28 23:00	0.88	1.44	1.88	1.98	2	3	3
2022-03-29 00:00	0.92	1.49	1.98	1.98	2	3	3
2022-03-29 01:00	0.93	1.5	2.01	2.03	2	3	3
2022-03-29 02:00	0.91	1.47	2.05	2.22	2	3	3
2022-03-29 03:00	0.92	1.48	1.96	2.08	2	3	3
2022-03-29 04:00	0.93	1.5	2.01	2.13	2	3	3
2022-03-29 05:00	0.93	1.48	2	2.1	2	3	3
2022-03-29 06:00	0.95	1.49	2	2.15	2	3	3
2022-03-29 07:00	1.18	1.79	2.38	2.62	3	4	4
2022-03-29 08:00	1.02	1.57	2.19	2.34	2	3	4
2022-03-29 09:00	1.09	1.66	2.26	2.3	3	4	4
2022-03-29 10:00	1.12	1.69	2.24	2.48	3	4	4
2022-03-29 11:00	1.23	1.82	2.46	3.27	3	4	5
2022-03-29 12:00	1.22	1.77	2.43	3.34	3	4	5
2022-03-29 13:00	1.19	1.72	2.4	3.03	3	4	5
2022-03-29 14:00	1.06	1.61	2.47	3.69	3	4	6
2022-03-29 15:00	1.02	1.52	2.23	3.07	2	4	5
2022-03-29 16:00	1.07	1.55	2.41	4.09	2	4	6
2022-03-29 17:00	1.21	1.72	2.44	3.05	3	4	5
2022-03-29 18:00	1.16	1.63	2.04	2.28	3	3	4
2022-03-29 19:00	1.16	1.65	2.02	2.26	3	3	4
2022-03-29 20:00	1.19	1.67	1.98	2.02	3	3	3
2022-03-29 21:00	1.24	1.69	1.98	2.03	3	3	3
2022-03-29 22:00	1.24	1.66	1.95	1.99	3	3	3
2022-03-29 23:00	1.32	1.76	2.05	2.05	3	3	3
2022-03-30 00:00	1.36	1.79	2.09	2.09	3	3	3
2022-03-30 01:00	1.38	1.84	2.13	2.13	3	3	3
2022-03-30 02:00	1.35	1.85	2.15	2.15	3	3	3
2022-03-30 03:00	1.33	1.83	2.15	2.15	3	3	3
2022-03-30 04:00	1.36	1.87	2.18	2.18	3	3	3
2022-03-30 05:00	1.41	1.91	2.23	2.23	3	4	4
2022-03-30 06:00	1.35	1.84	2.13	2.13	3	3	3
2022-03-30 07:00	1.46	1.98	2.26	2.3	3	4	4
2022-03-30 08:00	1.78	3.09	3.51	3.51	5	6	6

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-03-30 09:00	1.25	1.58	1.77	1.77	2	3	3
2022-03-30 10:00	1.4	1.83	2.05	2.1	3	3	3
2022-03-30 11:00	1.25	1.63	1.82	1.87	3	3	3
2022-03-30 12:00	0.72	0.98	1.11	1.15	2	2	2
2022-03-30 13:00	0.62	0.79	0.96	1.06	1	2	2
2022-03-30 14:00	0.72	0.91	1.09	1.31	1	2	2
2022-03-30 15:00	0.93	1.22	1.5	1.8	2	2	3
2022-03-30 16:00	0.93	1.21	1.4	1.6	2	2	3
2022-03-30 17:00	0.94	1.19	1.37	1.51	2	2	2
2022-03-30 18:00	1.07	1.38	1.56	1.66	2	2	3
2022-03-30 19:00	0.83	1.07	1.22	1.26	2	2	2
2022-03-30 20:00	0.73	0.97	1.14	1.14	2	2	2
2022-03-30 21:00	0.74	1.01	1.18	1.28	2	2	2
2022-03-30 22:00	0.83	1.13	1.34	1.38	2	2	2
2022-03-30 23:00	0.85	1.18	1.4	1.4	2	2	2
2022-03-31 00:00	0.86	1.21	1.43	1.52	2	2	2
2022-03-31 01:00	0.84	1.19	1.4	1.55	2	2	2
2022-03-31 02:00	0.81	1.17	1.39	1.48	2	2	2
2022-03-31 03:00	0.77	1.11	1.32	1.33	2	2	2
2022-03-31 04:00	0.75	1.09	1.31	1.31	2	2	2
2022-03-31 05:00	0.72	1.05	1.28	1.32	2	2	2
2022-03-31 06:00	0.71	1.02	1.24	1.38	2	2	2
2022-03-31 07:00	0.71	1.02	1.49	1.59	2	2	3
2022-03-31 08:00	0.63	0.9	1.2	1.3	1	2	2
2022-03-31 09:00	0.87	1.18	1.38	1.57	2	2	2
2022-03-31 10:00	0.7	0.99	1.2	1.34	2	2	2
2022-03-31 11:00	0.63	0.9	1.13	1.23	1	2	2
2022-03-31 12:00	0.61	0.87	1.09	1.09	1	2	2
2022-03-31 13:00	1.39	1.76	1.99	2.08	3	3	3
2022-03-31 14:00	0.74	1.04	1.28	1.42	2	2	2
2022-03-31 15:00	0.51	0.79	1.04	1.18	1	2	2
2022-03-31 16:00	0.59	0.9	1.15	1.2	1	2	2
2022-03-31 17:00	0.54	0.89	1.18	1.18	1	2	2
2022-03-31 18:00	0.55	0.92	1.38	1.62	1	2	3
2022-03-31 19:00	0.48	0.82	1.26	1.59	1	2	3
2022-03-31 20:00	0.46	0.77	1.04	1.04	1	2	2
2022-03-31 21:00	0.49	0.78	1.02	1.12	1	2	2
2022-03-31 22:00	0.53	0.79	0.98	1.12	1	2	2
2022-03-31 23:00	0.68	0.91	1.07	1.07	1	2	2
2022-04-01 00:00	0.79	0.92	1.01	1.11	1	2	2
2022-04-01 01:00	0.81	0.93	1.02	1.02	1	2	2
2022-04-01 02:00	1.72	1.81	1.86	1.86	3	3	3
2022-04-01 03:00	1.27	1.4	1.48	1.53	2	2	2
2022-04-01 04:00	1.65	1.8	1.86	1.86	3	3	3
2022-04-01 05:00	1.83	1.98	2.05	2.05	3	3	3
2022-04-01 06:00	1.35	1.48	1.56	1.7	2	2	3
2022-04-01 07:00	0.77	0.91	0.99	0.99	1	2	2
2022-04-01 08:00	0.56	0.79	0.98	1.03	1	2	2
2022-04-01 09:00	0.52	0.81	1.05	1.15	1	2	2
2022-04-01 10:00	0.51	0.81	1.07	1.11	1	2	2
2022-04-01 11:00	0.52	0.82	1.11	1.16	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-01 12:00	0.51	0.82	1.14	1.33	1	2	2
2022-04-01 13:00	0.47	0.78	1.05	1.14	1	2	2
2022-04-01 14:00	0.53	0.86	1.17	1.36	1	2	2
2022-04-01 15:00	0.61	0.98	1.43	1.81	2	2	3
2022-04-01 16:00	0.54	0.9	1.38	1.71	1	2	3
2022-04-01 17:00	0.53	0.89	1.36	1.65	1	2	3
2022-04-01 18:00	0.54	0.9	1.5	2.08	1	2	3
2022-04-01 19:00	0.54	0.91	1.59	2.06	1	3	3
2022-04-01 20:00	0.58	0.98	1.59	2.02	2	3	3
2022-04-01 21:00	0.57	0.95	1.58	1.73	1	2	3
2022-04-01 22:00	0.55	0.9	1.49	1.73	1	2	3
2022-04-01 23:00	0.53	0.84	1.41	1.56	1	2	2
2022-04-02 00:00	0.57	0.89	1.47	1.48	1	2	2
2022-04-02 01:00	0.78	1.22	2.03	2.21	2	3	3
2022-04-02 02:00	0.63	0.97	1.57	1.67	2	2	3
2022-04-02 03:00	0.69	1	1.47	1.52	2	2	2
2022-04-02 04:00	0.73	1.01	1.42	1.48	2	2	2
2022-04-02 05:00	0.61	0.84	1.11	1.15	1	2	2
2022-04-02 06:00	0.4	0.51	0.62	0.62	1	1	1
2022-04-02 07:00	0.44	0.6	0.72	0.72	1	1	1
2022-04-02 08:00	0.44	0.6	0.73	0.73	1	1	1
2022-04-02 09:00	0.27	0.38	0.47	0.51	1	1	1
2022-04-02 10:00	0.17	0.24	0.3	0.3	0	0	0
2022-04-02 11:00	0.11	0.17	0.22	0.32	0	0	1
2022-04-02 12:00	0.07	0.11	0.14	0.28	0	0	0
2022-04-02 13:00	0.1	0.13	0.15	0.2	0	0	0
2022-04-02 14:00	0.12	0.15	0.18	0.28	0	0	0
2022-04-02 15:00	0.11	0.14	0.17	0.17	0	0	0
2022-04-02 16:00	0.14	0.19	0.23	0.23	0	0	0
2022-04-02 17:00	0.3	0.41	0.53	0.63	1	1	1
2022-04-02 18:00	0.38	0.55	0.65	0.7	1	1	1
2022-04-02 19:00	0.34	0.5	0.6	0.65	1	1	1
2022-04-02 20:00	0.26	0.35	0.42	0.42	1	1	1
2022-04-02 21:00	0.25	0.33	0.42	0.42	1	1	1
2022-04-02 22:00	0.42	0.56	0.66	0.66	1	1	1
2022-04-02 23:00	0.49	0.68	0.81	0.81	1	1	1
2022-04-03 00:00	0.56	0.78	0.94	0.99	1	1	2
2022-04-03 01:00	0.69	0.97	1.2	1.25	2	2	2
2022-04-03 02:00	0.7	1.02	1.32	1.32	2	2	2
2022-04-03 03:00	0.9	1.26	1.6	1.65	2	3	3
2022-04-03 04:00	0.9	1.39	1.89	1.94	2	3	3
2022-04-03 05:00	0.92	1.45	2.01	2.06	2	3	3
2022-04-03 06:00	0.99	1.45	1.96	2.01	2	3	3
2022-04-03 07:00	1.01	1.45	1.89	1.89	2	3	3
2022-04-03 08:00	2.31	3.05	4.02	4.21	5	6	7
2022-04-03 09:00	0.83	1.31	1.78	1.78	2	3	3
2022-04-03 10:00	0.76	1.19	1.58	1.63	2	2	3
2022-04-03 11:00	0.72	1.1	1.45	1.45	2	2	2
2022-04-03 12:00	0.67	1.03	1.34	1.39	2	2	2
2022-04-03 13:00	0.63	0.95	1.23	1.23	1	2	2
2022-04-03 14:00	0.6	0.9	1.15	1.2	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-03 15:00	0.66	0.98	1.25	1.29	2	2	2
2022-04-03 16:00	0.58	0.86	1.12	1.17	1	2	2
2022-04-03 17:00	0.55	0.82	1.05	1.05	1	2	2
2022-04-03 18:00	2.05	2.74	3.78	3.93	4	6	6
2022-04-03 19:00	2.84	3.8	5.33	5.42	6	8	9
2022-04-03 20:00	1.66	2.22	2.92	2.92	3	5	5
2022-04-03 21:00	3.36	4.55	6.54	6.69	7	10	11
2022-04-03 22:00	1.21	1.66	2.26	2.31	3	4	4
2022-04-03 23:00	1.01	1.39	1.87	1.87	2	3	3
2022-04-04 00:00	0.49	0.7	0.87	0.87	1	1	1
2022-04-04 01:00	0.51	0.72	0.9	0.9	1	1	1
2022-04-04 02:00	0.47	0.67	0.83	0.83	1	1	1
2022-04-04 03:00	0.73	0.99	1.28	1.28	2	2	2
2022-04-04 04:00	0.58	0.84	1.06	1.11	1	2	2
2022-04-04 05:00	0.58	0.83	1.05	1.05	1	2	2
2022-04-04 06:00	0.62	0.87	1.09	1.09	1	2	2
2022-04-04 07:00	0.65	0.9	1.14	1.14	1	2	2
2022-04-04 08:00	0.68	0.94	1.19	1.19	1	2	2
2022-04-04 09:00	0.6	0.86	1.14	1.14	1	2	2
2022-04-04 10:00	0.76	1.03	1.29	1.34	2	2	2
2022-04-04 11:00	0.47	0.67	0.87	0.91	1	1	1
2022-04-04 12:00	0.39	0.56	0.74	0.74	1	1	1
2022-04-04 13:00	0.44	0.62	0.78	0.88	1	1	1
2022-04-04 14:00	0.39	0.54	0.66	0.66	1	1	1
2022-04-04 15:00	0.32	0.43	0.52	0.52	1	1	1
2022-04-04 16:00	0.25	0.34	0.41	0.41	1	1	1
2022-04-04 17:00	0.22	0.3	0.38	0.38	0	1	1
2022-04-04 18:00	0.24	0.34	0.47	0.47	1	1	1
2022-04-04 19:00	0.25	0.37	0.5	0.5	1	1	1
2022-04-04 20:00	0.42	0.57	0.75	0.75	1	1	1
2022-04-04 21:00	0.46	0.62	0.8	0.85	1	1	1
2022-04-04 22:00	0.25	0.35	0.43	0.43	1	1	1
2022-04-04 23:00	0.25	0.32	0.39	0.39	1	1	1
2022-04-05 00:00	0.29	0.36	0.43	0.43	1	1	1
2022-04-05 01:00	0.35	0.42	0.51	0.8	1	1	1
2022-04-05 02:00	0.33	0.39	0.42	0.42	1	1	1
2022-04-05 03:00	0.31	0.37	0.41	0.41	1	1	1
2022-04-05 04:00	0.34	0.41	0.48	0.48	1	1	1
2022-04-05 05:00	0.34	0.41	0.48	0.48	1	1	1
2022-04-05 06:00	0.34	0.41	0.47	0.52	1	1	1
2022-04-05 07:00	0.36	0.43	0.49	0.49	1	1	1
2022-04-05 08:00	0.43	0.52	0.61	0.66	1	1	1
2022-04-05 09:00	0.47	0.57	0.69	0.69	1	1	1
2022-04-05 10:00	0.74	0.91	1.12	1.12	1	2	2
2022-04-05 11:00	0.36	0.45	0.58	0.58	1	1	1
2022-04-05 12:00	0.3	0.4	0.53	0.62	1	1	1
2022-04-05 13:00	0.49	0.62	0.78	0.78	1	1	1
2022-04-05 14:00	0.4	0.54	0.73	0.78	1	1	1
2022-04-05 15:00	0.38	0.5	0.69	0.73	1	1	1
2022-04-05 16:00	0.35	0.44	0.58	0.68	1	1	1
2022-04-05 17:00	0.29	0.37	0.51	0.65	1	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-05 18:00	0.2	0.25	0.37	0.42	0	1	1
2022-04-05 19:00	0.36	0.47	0.74	0.88	1	1	1
2022-04-05 20:00	0.86	1.07	1.58	2.01	2	2	3
2022-04-05 21:00	0.97	1.13	1.44	1.63	2	2	3
2022-04-05 22:00	1.33	1.5	1.77	1.77	2	3	3
2022-04-05 23:00	1.74	2.01	2.42	2.42	3	4	4
2022-04-06 00:00	1.65	1.92	2.31	2.41	3	4	4
2022-04-06 01:00	1.33	1.56	1.88	1.92	2	3	3
2022-04-06 02:00	1.5	1.82	2.29	2.34	3	4	4
2022-04-06 03:00	1.16	1.53	2.09	2.23	2	3	4
2022-04-06 04:00	1.08	1.42	2	2.15	2	3	3
2022-04-06 05:00	1.3	1.67	2.3	2.3	3	4	4
2022-04-06 06:00	1.28	1.63	2.06	2.11	3	3	3
2022-04-06 07:00	1.21	1.55	2.01	2.25	2	3	4
2022-04-06 08:00	1.02	1.32	1.76	1.95	2	3	3
2022-04-06 09:00	0.9	1.23	1.72	2.15	2	3	3
2022-04-06 10:00	1.12	1.43	2.02	2.93	2	3	5
2022-04-06 11:00	0.99	1.34	1.98	2.65	2	3	4
2022-04-06 12:00	0.75	1.07	1.8	2.94	2	3	5
2022-04-06 13:00	0.72	1.06	1.81	3.02	2	3	5
2022-04-06 14:00	0.69	1.02	1.94	3.37	2	3	5
2022-04-06 15:00	0.53	0.83	1.95	4.25	1	3	7
2022-04-06 16:00	0.48	0.78	1.9	4.48	1	3	7
2022-04-06 17:00	0.48	0.8	1.92	3.94	1	3	6
2022-04-06 18:00	0.56	0.92	2.55	6.04	1	4	9
2022-04-06 19:00	0.64	1.05	2.74	7.84	2	4	12
2022-04-06 20:00	0.57	0.98	2.42	4.95	2	4	8
2022-04-06 21:00	0.45	0.83	1.91	3.39	1	3	5
2022-04-06 22:00	0.31	0.61	1.69	3.85	1	3	6
2022-04-06 23:00	0.32	0.61	1.69	4.9	1	3	8
2022-04-07 00:00	0.35	0.65	1.67	2.9	1	3	5
2022-04-07 01:00	0.36	0.58	1.08	1.89	1	2	3
2022-04-07 02:00	0.39	0.62	1.08	2.08	1	2	3
2022-04-07 03:00	0.4	0.64	1.24	2.01	1	2	3
2022-04-07 04:00	0.38	0.63	1.24	2.39	1	2	4
2022-04-07 05:00	0.41	0.68	1.38	2.43	1	2	4
2022-04-07 06:00	0.42	0.7	1.25	2.45	1	2	4
2022-04-07 07:00	0.49	0.79	1.32	2.63	1	2	4
2022-04-07 08:00	0.53	0.82	1.36	2.37	1	2	4
2022-04-07 09:00	3.99	5.43	6.06	7.17	9	10	11
2022-04-07 10:00	2.39	3.16	3.68	4.72	5	6	7
2022-04-07 11:00	0.52	0.78	1.16	1.79	1	2	3
2022-04-07 12:00	0.32	0.47	0.84	1.56	1	1	2
2022-04-07 13:00	0.34	0.52	1.03	2.02	1	2	3
2022-04-07 14:00	1.08	1.32	1.75	2.57	2	3	4
2022-04-07 15:00	0.38	0.59	1.13	2.13	1	2	3
2022-04-07 16:00	0.38	0.58	1.21	2.41	1	2	4
2022-04-07 17:00	0.35	0.53	1.05	2.25	1	2	4
2022-04-07 18:00	0.38	0.56	0.99	1.9	1	2	3
2022-04-07 19:00	0.43	0.63	1.01	1.78	1	2	3
2022-04-07 20:00	0.47	0.69	1	1.53	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-07 21:00	0.47	0.69	0.98	1.31	1	2	2
2022-04-07 22:00	0.42	0.63	0.87	1.3	1	1	2
2022-04-07 23:00	0.43	0.65	0.94	1.42	1	1	2
2022-04-08 00:00	0.43	0.65	0.92	1.35	1	1	2
2022-04-08 01:00	0.42	0.63	0.85	0.9	1	1	1
2022-04-08 02:00	0.38	0.57	0.75	0.85	1	1	1
2022-04-08 03:00	0.32	0.5	0.67	0.72	1	1	1
2022-04-08 04:00	0.32	0.5	0.65	0.75	1	1	1
2022-04-08 05:00	0.31	0.47	0.62	0.76	1	1	1
2022-04-08 06:00	0.29	0.46	0.57	0.67	1	1	1
2022-04-08 07:00	0.35	0.55	0.85	1.28	1	1	2
2022-04-08 08:00	1.8	2.05	2.29	2.48	3	4	4
2022-04-08 09:00	20.91	22.55	22.79	23.03	35	36	36
2022-04-08 10:00	4.28	4.5	4.75	5.45	7	7	9
2022-04-08 11:00	16.21	17.51	17.88	18.43	28	28	29
2022-04-08 12:00	3.45	3.72	4.1	4.25	6	6	7
2022-04-08 13:00	2.2	2.62	3.04	3.3	4	5	5
2022-04-08 14:00	0.33	0.61	0.99	1.13	1	2	2
2022-04-08 15:00	0.34	0.6	0.96	1.06	1	2	2
2022-04-08 16:00	0.35	0.59	0.88	1.08	1	1	2
2022-04-08 17:00	0.34	0.54	0.72	0.89	1	1	1
2022-04-08 18:00	0.38	0.56	0.72	0.88	1	1	1
2022-04-08 19:00	0.39	0.59	0.8	1.04	1	1	2
2022-04-08 20:00	0.33	0.54	0.73	0.83	1	1	1
2022-04-08 21:00	0.33	0.56	0.75	0.75	1	1	1
2022-04-08 22:00	0.34	0.57	0.77	0.9	1	1	1
2022-04-08 23:00	0.35	0.6	0.8	0.91	1	1	1
2022-04-09 00:00	0.39	0.65	0.9	1.04	1	1	2
2022-04-09 01:00	0.48	0.74	1	1.14	1	2	2
2022-04-09 02:00	0.95	1.31	1.74	1.79	2	3	3
2022-04-09 03:00	0.59	0.85	1.13	1.46	1	2	2
2022-04-09 04:00	0.69	0.96	1.25	1.44	2	2	2
2022-04-09 05:00	0.83	1.12	1.46	1.7	2	2	3
2022-04-09 06:00	0.89	1.19	1.53	1.73	2	2	3
2022-04-09 07:00	0.58	0.81	1.04	1.19	1	2	2
2022-04-09 08:00	0.52	0.74	0.95	1.38	1	1	2
2022-04-09 09:00	0.31	0.48	0.65	0.75	1	1	1
2022-04-09 10:00	0.29	0.44	0.57	0.57	1	1	1
2022-04-09 11:00	0.27	0.42	0.57	0.57	1	1	1
2022-04-09 12:00	0.27	0.41	0.6	0.75	1	1	1
2022-04-09 13:00	0.25	0.41	0.6	0.6	1	1	1
2022-04-09 14:00	0.24	0.42	0.64	0.68	1	1	1
2022-04-09 15:00	0.23	0.42	0.61	0.65	1	1	1
2022-04-09 16:00	0.23	0.43	0.65	0.75	1	1	1
2022-04-09 17:00	0.23	0.43	0.65	0.65	1	1	1
2022-04-09 18:00	0.23	0.43	0.66	0.66	1	1	1
2022-04-09 19:00	0.23	0.43	0.65	0.65	1	1	1
2022-04-09 20:00	0.26	0.5	0.77	0.82	1	1	1
2022-04-09 21:00	0.26	0.53	0.83	0.88	1	1	1
2022-04-09 22:00	0.24	0.49	0.79	0.84	1	1	1
2022-04-09 23:00	0.25	0.5	0.84	0.84	1	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-10 00:00	0.27	0.53	0.9	1	1	1	2
2022-04-10 01:00	0.29	0.58	0.96	1.1	1	2	2
2022-04-10 02:00	0.3	0.58	0.96	1.05	1	2	2
2022-04-10 03:00	0.34	0.64	1.05	1.1	1	2	2
2022-04-10 04:00	0.38	0.71	1.14	1.24	1	2	2
2022-04-10 05:00	0.41	0.75	1.15	1.24	1	2	2
2022-04-10 06:00	0.48	0.83	1.21	1.26	1	2	2
2022-04-10 07:00	0.52	0.9	1.33	1.33	1	2	2
2022-04-10 08:00	0.6	1	1.49	2.16	2	2	3
2022-04-10 09:00	0.68	1.09	1.64	2.35	2	3	4
2022-04-10 10:00	1.09	1.6	2.45	3.69	3	4	6
2022-04-10 11:00	1.05	1.56	2.48	3.2	2	4	5
2022-04-10 12:00	0.98	1.54	2.64	3.94	2	4	6
2022-04-10 13:00	1.03	1.6	2.75	4.15	3	4	7
2022-04-10 14:00	1.2	1.82	3.14	5.29	3	5	8
2022-04-10 15:00	1.22	1.98	3.92	6.42	3	6	10
2022-04-10 16:00	1.45	2.24	4.18	6.81	4	7	11
2022-04-10 17:00	1.87	2.69	4.32	6	4	7	9
2022-04-10 18:00	1.95	2.77	3.84	4.46	4	6	7
2022-04-10 19:00	2.19	2.93	3.55	3.65	5	6	6
2022-04-10 20:00	2.33	3.07	3.7	3.99	5	6	6
2022-04-10 21:00	2.32	3.04	3.64	3.69	5	6	6
2022-04-10 22:00	2.39	3.14	3.84	3.84	5	6	6
2022-04-10 23:00	2.29	3	3.64	3.64	5	6	6
2022-04-11 00:00	2.22	2.84	3.26	3.26	4	5	5
2022-04-14 19:00	0.37	0.54	1.13	1.5	1	2	2
2022-04-14 20:00	1.87	2.4	2.96	3.53	4	5	6
2022-04-14 21:00	9.77	10.57	11.2	12.06	17	18	19
2022-04-14 22:00	4.46	4.87	5.64	6.6	8	9	10
2022-04-14 23:00	1.69	2.02	2.73	3.11	3	4	5
2022-04-15 00:00	0.81	1.16	1.89	2.37	2	3	4
2022-04-15 01:00	0.51	0.92	1.69	2.17	1	3	3
2022-04-15 02:00	0.64	1.13	1.9	2.28	2	3	4
2022-04-15 03:00	0.62	1.15	2.03	2.22	2	3	3
2022-04-15 04:00	2.93	4.36	5.16	5.4	7	8	8
2022-04-15 05:00	2.64	3.43	4.09	4.19	5	6	7
2022-04-15 06:00	1.17	1.77	2.36	2.41	3	4	4
2022-04-15 07:00	1.14	1.77	2.44	3.06	3	4	5
2022-04-15 08:00	1.12	1.75	2.5	3.47	3	4	5
2022-04-15 09:00	0.89	1.53	2.19	3.61	2	3	6
2022-04-15 10:00	0.85	1.47	2.11	3.18	2	3	5
2022-04-15 11:00	0.73	1.26	1.84	2.7	2	3	4
2022-04-15 12:00	0.98	1.43	2.03	3.05	2	3	5
2022-04-15 13:00	1.1	1.51	2.02	3.58	2	3	6
2022-04-15 14:00	1	1.36	1.91	2.71	2	3	4
2022-04-15 15:00	0.79	1.12	1.68	3.32	2	3	5
2022-04-15 16:00	1.19	1.58	2.15	2.68	2	3	4
2022-04-15 17:00	0.84	1.13	1.64	2.38	2	3	4
2022-04-15 18:00	0.51	0.8	1.42	2.07	1	2	3
2022-04-15 19:00	1.21	1.55	2.1	2.45	2	3	4
2022-04-15 20:00	1.88	2.24	2.76	3	4	4	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-15 21:00	0.93	1.27	1.79	1.98	2	3	3
2022-04-15 22:00	0.98	1.36	1.89	2.08	2	3	3
2022-04-15 23:00	1.44	1.93	2.44	2.92	3	4	5
2022-04-16 00:00	1.38	1.87	2.35	2.49	3	4	4
2022-04-16 01:00	1.16	1.65	2.14	2.57	3	3	4
2022-04-16 02:00	1.04	1.57	2.01	2.25	2	3	4
2022-04-16 03:00	0.83	1.33	1.76	2.14	2	3	3
2022-04-16 04:00	1.04	1.56	1.97	2.18	2	3	3
2022-04-16 05:00	1.73	2.22	2.58	2.99	3	4	5
2022-04-16 06:00	0.86	1.32	1.65	1.89	2	3	3
2022-04-16 07:00	0.96	1.42	1.75	1.99	2	3	3
2022-04-16 08:00	1.34	1.8	2.14	2.48	3	3	4
2022-04-16 09:00	0.88	1.3	1.61	1.8	2	3	3
2022-04-16 10:00	1.27	1.71	2.06	2.39	3	3	4
2022-04-16 11:00	1.35	1.8	2.21	2.31	3	3	4
2022-04-16 12:00	0.81	1.27	1.75	2.03	2	3	3
2022-04-16 13:00	0.75	1.18	1.69	2.21	2	3	3
2022-04-16 14:00	1.14	1.54	2.03	2.56	2	3	4
2022-04-16 15:00	1.94	2.35	2.77	3.29	4	4	5
2022-04-16 16:00	0.86	1.31	1.73	2.16	2	3	3
2022-04-16 17:00	0.81	1.25	1.68	2.3	2	3	4
2022-04-16 18:00	1.19	1.66	2.13	2.49	3	3	4
2022-04-16 19:00	14.75	18.89	19.45	19.84	30	31	31
2022-04-16 20:00	0.98	1.43	1.82	2.11	2	3	3
2022-04-16 21:00	1.18	1.63	2.08	2.13	3	3	3
2022-04-16 22:00	0.99	1.39	1.74	1.84	2	3	3
2022-04-16 23:00	0.9	1.26	1.55	1.69	2	2	3
2022-04-17 00:00	1.34	1.79	2.26	2.35	3	4	4
2022-04-17 01:00	1.62	2.1	2.58	2.68	3	4	4
2022-04-17 02:00	2.43	2.99	3.59	3.63	5	6	6
2022-04-17 03:00	1.41	1.82	2.17	2.27	3	3	4
2022-04-17 04:00	1.6	2.06	2.47	2.52	3	4	4
2022-04-17 05:00	8.58	9.95	10.64	10.74	16	17	17
2022-04-17 06:00	5.44	6.35	6.71	6.76	10	11	11
2022-04-17 07:00	1.61	2.01	2.29	2.29	3	4	4
2022-04-17 08:00	1.46	1.85	2.2	2.3	3	3	4
2022-04-17 09:00	1.26	1.67	2.03	2.41	3	3	4
2022-04-17 10:00	0.7	1.1	1.44	1.54	2	2	2
2022-04-17 11:00	0.66	1.08	1.45	1.64	2	2	3
2022-04-17 12:00	0.65	1.06	1.4	1.45	2	2	2
2022-04-17 13:00	0.67	1.08	1.42	1.52	2	2	2
2022-04-17 14:00	0.67	1.08	1.44	1.63	2	2	3
2022-04-17 15:00	0.65	1.05	1.36	1.6	2	2	3
2022-04-17 16:00	0.64	1.03	1.33	1.52	2	2	2
2022-04-17 17:00	0.66	1.08	1.51	1.61	2	2	3
2022-04-17 18:00	0.66	1.09	1.61	1.8	2	3	3
2022-04-17 19:00	0.68	1.11	1.62	1.91	2	3	3
2022-04-17 20:00	0.69	1.09	1.49	1.73	2	2	3
2022-04-17 21:00	0.69	1.09	1.45	1.5	2	2	2
2022-04-17 22:00	0.58	0.87	1.07	1.17	1	2	2
2022-04-17 23:00	0.67	1.01	1.25	1.25	2	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-18 00:00	0.9	1.25	1.5	1.55	2	2	2
2022-04-18 01:00	2.27	2.64	2.95	3	4	5	5
2022-04-18 02:00	0.96	1.24	1.44	1.44	2	2	2
2022-04-18 03:00	0.67	0.96	1.16	1.16	2	2	2
2022-04-18 04:00	0.65	0.93	1.12	1.12	1	2	2
2022-04-18 05:00	0.64	0.92	1.11	1.11	1	2	2
2022-04-18 06:00	0.71	1.02	1.22	1.22	2	2	2
2022-04-18 07:00	1.12	1.53	1.8	1.8	2	3	3
2022-04-18 08:00	2.19	2.7	3.09	3.14	4	5	5
2022-04-18 09:00	1.54	2.08	2.52	2.52	3	4	4
2022-04-18 10:00	0.94	1.43	1.84	1.89	2	3	3
2022-04-18 11:00	0.9	1.39	1.81	1.81	2	3	3
2022-04-18 12:00	0.82	1.31	1.82	1.87	2	3	3
2022-04-18 13:00	0.79	1.28	1.79	2.08	2	3	3
2022-04-18 14:00	0.81	1.36	2	2.28	2	3	4
2022-04-18 15:00	0.87	1.43	2.04	2.41	2	3	4
2022-04-18 16:00	0.71	1.15	1.68	2.02	2	3	3
2022-04-18 17:00	1.7	2.19	2.74	2.98	3	4	5
2022-04-18 18:00	0.88	1.43	2.15	2.2	2	3	3
2022-04-18 19:00	1.02	1.57	2.27	2.41	2	4	4
2022-04-18 20:00	1.1	1.63	2.24	2.43	3	4	4
2022-04-18 21:00	0.91	1.35	1.79	1.88	2	3	3
2022-04-18 22:00	1.36	1.87	2.39	2.49	3	4	4
2022-04-18 23:00	1.11	1.48	1.82	2.02	2	3	3
2022-04-19 00:00	0.63	0.84	1.02	1.16	1	2	2
2022-04-19 01:00	0.76	0.97	1.19	1.19	2	2	2
2022-04-19 02:00	1.64	2.07	2.53	2.53	3	4	4
2022-04-19 03:00	1.03	1.3	1.52	1.52	2	2	2
2022-04-19 04:00	0.65	0.8	0.91	0.96	1	1	2
2022-04-19 05:00	1.22	1.44	1.58	1.62	2	2	3
2022-04-19 06:00	1.46	1.74	2.03	2.03	3	3	3
2022-04-19 07:00	1.53	1.87	2.34	2.77	3	4	4
2022-04-19 08:00	1.25	1.7	2.11	2.59	3	3	4
2022-04-19 09:00	0.71	1.08	1.44	1.49	2	2	2
2022-04-19 10:00	0.74	1.16	1.66	1.72	2	3	3
2022-04-19 11:00	0.72	1.14	1.58	1.63	2	2	3
2022-04-19 12:00	0.7	1.13	1.57	1.57	2	2	2
2022-04-19 13:00	0.68	1.11	1.59	1.64	2	3	3
2022-04-19 14:00	0.66	1.09	1.57	1.57	2	2	2
2022-04-19 15:00	0.66	1.09	1.52	1.52	2	2	2
2022-04-19 16:00	0.68	1.09	1.54	1.54	2	2	2
2022-04-19 17:00	0.68	1.11	1.56	1.56	2	2	2
2022-04-19 18:00	0.67	1.1	1.57	1.71	2	2	3
2022-04-19 19:00	0.65	1.07	1.51	1.51	2	2	2
2022-04-19 20:00	1.01	1.48	1.99	1.99	2	3	3
2022-04-19 21:00	1.07	1.51	1.93	2.08	2	3	3
2022-04-19 22:00	0.94	1.35	1.76	1.76	2	3	3
2022-04-19 23:00	1.66	2.19	2.79	2.89	3	4	5
2022-04-20 00:00	1.4	1.86	2.39	2.73	3	4	4
2022-04-20 01:00	0.85	1.23	1.6	1.79	2	3	3
2022-04-20 02:00	0.72	1.21	1.74	1.74	2	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-20 03:00	0.73	1.22	1.7	1.8	2	3	3
2022-04-20 04:00	0.77	1.27	1.78	1.92	2	3	3
2022-04-20 05:00	0.79	1.29	1.81	1.9	2	3	3
2022-04-20 06:00	0.79	1.27	1.76	1.9	2	3	3
2022-04-20 07:00	0.77	1.22	1.67	1.82	2	3	3
2022-04-20 08:00	0.81	1.28	2.05	3.25	2	3	5
2022-04-20 09:00	0.82	1.28	1.96	2.87	2	3	5
2022-04-20 10:00	0.8	1.23	1.71	2.05	2	3	3
2022-04-20 11:00	0.76	1.18	1.68	2.02	2	3	3
2022-04-20 12:00	0.72	1.1	1.55	1.79	2	2	3
2022-04-20 13:00	0.56	0.81	1.09	1.42	1	2	2
2022-04-20 14:00	0.4	0.54	0.74	1.08	1	1	2
2022-04-20 15:00	0.36	0.46	0.54	0.73	1	1	1
2022-04-20 16:00	0.31	0.38	0.45	0.59	1	1	1
2022-04-20 17:00	0.21	0.25	0.29	0.38	0	0	1
2022-04-20 18:00	0.15	0.19	0.21	0.31	0	0	0
2022-04-20 19:00	0.14	0.17	0.2	0.2	0	0	0
2022-04-20 20:00	0.19	0.23	0.26	0.31	0	0	0
2022-04-20 21:00	0.46	0.55	0.61	0.61	1	1	1
2022-04-20 22:00	1.04	1.16	1.31	1.31	2	2	2
2022-04-20 23:00	1.48	1.69	2.05	2.67	3	3	4
2022-04-21 00:00	2.09	2.51	3.51	4.23	4	6	7
2022-04-21 01:00	2.37	2.9	4.16	4.54	5	7	7
2022-04-21 02:00	2.29	2.78	3.67	3.91	4	6	6
2022-04-21 03:00	2.75	3.26	4.18	4.34	5	7	7
2022-04-21 04:00	3.19	3.66	4.35	4.47	6	7	7
2022-04-21 05:00	2.03	2.23	2.44	2.49	4	4	4
2022-04-21 06:00	1.16	1.3	1.42	1.47	2	2	2
2022-04-21 07:00	0.58	0.68	0.74	0.79	1	1	1
2022-04-21 08:00	0.97	1.03	1.08	1.17	2	2	2
2022-04-21 09:00	0.24	0.28	0.33	0.48	0	1	1
2022-04-21 10:00	0.31	0.38	0.48	0.67	1	1	1
2022-04-21 11:00	0.54	0.71	0.86	1.01	1	1	2
2022-04-21 12:00	0.88	1.17	1.38	1.52	2	2	2
2022-04-21 13:00	0.9	1.2	1.46	1.6	2	2	3
2022-04-21 14:00	0.99	1.37	1.68	1.72	2	3	3
2022-04-21 15:00	0.93	1.34	1.72	1.76	2	3	3
2022-04-21 16:00	0.9	1.36	1.8	1.85	2	3	3
2022-04-21 17:00	0.87	1.32	1.77	1.91	2	3	3
2022-04-21 18:00	0.86	1.29	1.73	1.73	2	3	3
2022-04-21 19:00	0.88	1.3	1.69	1.74	2	3	3
2022-04-21 20:00	1.09	1.52	1.95	2	2	3	3
2022-04-21 21:00	0.77	1.02	1.21	1.26	2	2	2
2022-04-21 22:00	0.34	0.42	0.51	0.51	1	1	1
2022-04-21 23:00	0.1	0.13	0.17	0.17	0	0	0
2022-04-22 00:00	0.36	0.42	0.5	0.55	1	1	1
2022-04-22 01:00	0.77	0.95	1.19	1.19	1	2	2
2022-04-22 02:00	2.2	2.69	3.37	3.41	4	5	5
2022-04-22 03:00	1.75	2.14	2.62	2.64	3	4	4
2022-04-22 04:00	1.3	1.6	1.9	2.07	3	3	3
2022-04-22 05:00	0.85	1.02	1.19	1.19	2	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-22 06:00	3.04	3.74	4.7	4.83	6	7	8
2022-04-22 07:00	2.27	2.8	3.53	3.59	4	6	6
2022-04-22 08:00	1.25	1.62	2.04	2.09	3	3	3
2022-04-22 09:00	0.93	1.31	1.64	1.74	2	3	3
2022-04-22 10:00	0.91	1.33	1.73	1.88	2	3	3
2022-04-22 11:00	0.89	1.3	1.68	1.68	2	3	3
2022-04-22 12:00	0.87	1.25	1.62	1.67	2	3	3
2022-04-22 13:00	0.78	1.13	1.43	1.43	2	2	2
2022-04-22 14:00	0.72	1.05	1.4	1.51	2	2	2
2022-04-22 15:00	0.73	1.07	1.39	1.49	2	2	2
2022-04-22 16:00	0.66	0.97	1.38	1.57	2	2	2
2022-04-22 17:00	0.67	1.03	1.43	1.47	2	2	2
2022-04-22 18:00	0.68	1.04	1.46	1.56	2	2	2
2022-04-22 19:00	0.72	1.08	1.57	1.61	2	2	3
2022-04-22 20:00	0.65	1.02	1.49	1.68	2	2	3
2022-04-22 21:00	0.68	1.07	1.56	1.61	2	2	3
2022-04-22 22:00	0.78	1.19	1.6	1.6	2	3	3
2022-04-22 23:00	0.92	1.45	1.93	2.03	2	3	3
2022-04-23 00:00	1.29	2.01	2.64	2.64	3	4	4
2022-04-23 01:00	1.8	2.68	3.46	3.56	4	5	6
2022-04-23 02:00	1.81	2.69	3.44	3.53	4	5	6
2022-04-23 03:00	1.75	2.61	3.3	3.35	4	5	5
2022-04-23 04:00	1.93	2.83	3.58	3.63	4	6	6
2022-04-23 05:00	1.82	2.77	3.57	3.61	4	6	6
2022-04-23 06:00	1.69	2.53	3.18	3.23	4	5	5
2022-04-23 07:00	1.75	2.6	3.33	3.47	4	5	5
2022-04-23 08:00	1.47	2.16	2.72	2.86	3	4	4
2022-04-23 09:00	1.6	2.3	2.97	3.08	4	5	5
2022-04-23 10:00	1.66	2.42	3.09	3.28	4	5	5
2022-04-23 11:00	1.46	2.1	2.62	2.91	3	4	5
2022-04-23 12:00	1.62	2.33	3.01	3.11	4	5	5
2022-04-23 13:00	0.84	1.26	1.6	1.65	2	3	3
2022-04-23 14:00	0.54	0.79	1.03	1.08	1	2	2
2022-04-23 15:00	0.49	0.69	0.93	1.12	1	1	2
2022-04-23 16:00	0.56	0.77	1.06	1.21	1	2	2
2022-04-23 17:00	22.48	23.61	24.63	24.83	37	39	39
2022-04-23 18:00	16.87	17.71	18.37	18.6	28	29	29
2022-04-23 19:00	2.25	2.55	2.88	2.97	4	5	5
2022-04-23 20:00	1.37	1.71	1.96	2.01	3	3	3
2022-04-23 21:00	0.71	0.88	1.14	1.28	1	2	2
2022-04-23 22:00	0.42	0.55	0.81	1.05	1	1	2
2022-04-23 23:00	0.37	0.48	0.69	0.79	1	1	1
2022-04-24 00:00	0.38	0.51	0.74	0.98	1	1	2
2022-04-24 01:00	0.4	0.52	0.77	0.82	1	1	1
2022-04-24 02:00	0.31	0.41	0.58	0.72	1	1	1
2022-04-24 03:00	0.38	0.49	0.74	0.78	1	1	1
2022-04-24 04:00	0.4	0.54	0.83	1.07	1	1	2
2022-04-24 05:00	0.3	0.47	0.83	1.55	1	1	2
2022-04-24 06:00	0.31	0.41	0.62	0.62	1	1	1
2022-04-24 07:00	0.31	0.41	0.59	0.69	1	1	1
2022-04-24 08:00	0.32	0.42	0.56	0.66	1	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-24 09:00	0.31	0.43	0.62	1.1	1	1	2
2022-04-24 10:00	0.39	0.51	0.67	0.81	1	1	1
2022-04-24 11:00	0.91	1.01	1.14	1.19	2	2	2
2022-04-24 12:00	0.23	0.28	0.33	0.33	0	1	1
2022-04-24 13:00	0.34	0.43	0.51	0.65	1	1	1
2022-04-24 14:00	0.74	0.93	1.12	1.32	1	2	2
2022-04-24 15:00	1.65	1.83	2.03	2.99	3	3	5
2022-04-24 16:00	12.14	12.94	13.19	14.01	20	21	22
2022-04-24 17:00	7.86	8.09	8.3	9.12	13	13	14
2022-04-24 18:00	0.72	0.78	0.92	1.45	1	1	2
2022-04-24 19:00	0.57	0.63	0.78	1.3	1	1	2
2022-04-24 20:00	0.31	0.38	0.74	2.37	1	1	4
2022-04-24 21:00	1.7	1.82	2.23	3.91	3	4	6
2022-04-24 22:00	0.36	0.49	1.02	1.88	1	2	3
2022-04-24 23:00	0.36	0.5	1.07	2.89	1	2	5
2022-04-25 00:00	0.31	0.47	0.99	1.81	1	2	3
2022-04-25 01:00	0.46	0.69	1.31	2.51	1	2	4
2022-04-25 02:00	0.7	1.06	1.81	2.96	2	3	5
2022-04-25 03:00	0.76	1.22	2.22	3.66	2	3	6
2022-04-25 04:00	0.86	1.37	2.36	3.51	2	4	6
2022-04-25 05:00	0.98	1.54	2.34	2.87	2	4	5
2022-04-25 06:00	1.05	1.6	2.32	3.08	3	4	5
2022-04-25 07:00	1.98	2.6	3.25	3.87	4	5	6
2022-04-25 08:00	4.26	4.9	5.55	6.12	8	9	10
2022-04-25 09:00	5.47	6.11	6.8	7.58	10	11	12
2022-04-25 10:00	1.36	1.92	2.63	4.15	3	4	7
2022-04-25 11:00	1.08	1.6	2.33	3.29	3	4	5
2022-04-25 12:00	1	1.48	2.16	3.2	2	3	5
2022-04-25 13:00	0.97	1.46	2.18	3.23	2	3	5
2022-04-25 14:00	1.05	1.57	2.42	4.16	2	4	7
2022-04-25 15:00	1.55	2.07	2.85	4.36	3	4	7
2022-04-25 16:00	1.41	1.94	2.62	3.94	3	4	6
2022-04-25 17:00	0.98	1.43	1.97	2.93	2	3	5
2022-04-25 18:00	0.89	1.3	1.75	2.56	2	3	4
2022-04-25 19:00	0.9	1.3	1.75	2.28	2	3	4
2022-04-25 20:00	0.86	1.25	1.63	2.35	2	3	4
2022-04-25 21:00	0.87	1.28	1.67	2.05	2	3	3
2022-04-25 22:00	0.86	1.25	1.58	1.77	2	2	3
2022-04-25 23:00	0.84	1.23	1.55	1.79	2	2	3
2022-04-26 00:00	0.91	1.3	1.56	1.71	2	2	3
2022-04-26 01:00	0.93	1.34	1.63	1.92	2	3	3
2022-04-26 02:00	0.99	1.4	1.69	1.83	2	3	3
2022-04-26 03:00	1.01	1.4	1.7	1.94	2	3	3
2022-04-26 04:00	1	1.39	1.66	1.75	2	3	3
2022-04-26 05:00	0.98	1.36	1.62	1.67	2	3	3
2022-04-26 06:00	0.93	1.31	1.54	1.78	2	2	3
2022-04-26 07:00	0.97	1.35	1.62	1.81	2	3	3
2022-04-26 08:00	6.95	7.49	7.84	7.96	12	12	13
2022-04-26 09:00	4.73	5.3	5.7	5.87	8	9	9
2022-04-26 10:00	0.94	1.42	1.88	1.98	2	3	3
2022-04-26 11:00	1.04	1.48	1.93	2.21	2	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-26 12:00	1.43	1.82	2.2	2.25	3	3	4
2022-04-26 13:00	1	1.36	1.74	1.88	2	3	3
2022-04-26 14:00	0.92	1.34	1.77	1.82	2	3	3
2022-04-26 15:00	0.87	1.33	1.92	2.4	2	3	4
2022-04-26 16:00	1.16	1.64	2.14	2.28	3	3	4
2022-04-26 17:00	0.93	1.37	1.81	1.91	2	3	3
2022-04-26 18:00	0.87	1.26	1.68	1.87	2	3	3
2022-04-26 19:00	0.98	1.37	1.88	2.02	2	3	3
2022-04-26 20:00	1	1.38	1.84	2.04	2	3	3
2022-04-26 21:00	1.45	1.94	2.54	2.63	3	4	4
2022-04-26 22:00	1.19	1.59	2.05	2.14	3	3	3
2022-04-26 23:00	0.91	1.23	1.52	1.57	2	2	2
2022-04-27 00:00	0.83	1.12	1.39	1.82	2	2	3
2022-04-27 01:00	1.01	1.33	1.66	1.76	2	3	3
2022-04-27 02:00	0.93	1.22	1.51	1.51	2	2	2
2022-04-27 03:00	1.35	1.73	2.12	2.22	3	3	3
2022-04-27 04:00	0.95	1.23	1.48	1.67	2	2	3
2022-04-27 05:00	1.19	1.52	1.85	1.89	2	3	3
2022-04-27 06:00	1.13	1.43	1.7	1.75	2	3	3
2022-04-27 07:00	1.32	1.66	1.98	2.07	3	3	3
2022-04-27 08:00	1.52	1.84	2.15	2.24	3	3	4
2022-04-27 09:00	0.79	1.04	1.26	1.45	2	2	2
2022-04-27 10:00	0.53	0.86	1.2	1.2	1	2	2
2022-04-27 11:00	0.59	1.07	1.7	1.75	2	3	3
2022-04-27 12:00	0.6	1.2	1.99	2.04	2	3	3
2022-04-27 13:00	0.6	1.23	2.1	2.15	2	3	3
2022-04-27 14:00	0.73	1.47	2.41	2.46	2	4	4
2022-04-27 15:00	0.86	1.78	2.8	2.8	3	4	4
2022-04-27 16:00	0.92	1.85	2.86	2.86	3	4	4
2022-04-27 17:00	0.92	1.79	2.68	2.78	3	4	4
2022-04-27 18:00	0.97	1.91	2.91	2.91	3	5	5
2022-04-27 19:00	1.55	2.67	3.87	3.97	4	6	6
2022-04-27 20:00	2.2	3.4	4.69	4.83	5	7	8
2022-04-27 21:00	1.64	2.7	3.7	3.7	4	6	6
2022-04-27 22:00	1.33	2.26	3.11	3.21	4	5	5
2022-04-27 23:00	1.09	1.98	2.75	2.99	3	4	5
2022-04-28 00:00	1.78	2.76	3.69	4.12	4	6	6
2022-04-28 01:00	2.23	3.3	4.36	4.89	5	7	8
2022-04-28 02:00	1.47	2.38	3.2	3.25	4	5	5
2022-04-28 03:00	1.28	2.12	2.83	3.07	3	4	5
2022-04-28 04:00	2.76	3.89	5.05	5.52	6	8	9
2022-04-28 05:00	2.94	4.09	5.37	5.7	6	8	9
2022-04-28 06:00	2.02	2.94	3.83	3.97	5	6	6
2022-04-28 07:00	1.65	2.49	3.28	3.68	4	5	6
2022-04-28 08:00	1.09	1.95	2.77	3.25	3	4	5
2022-04-28 09:00	1.02	1.96	3.07	3.31	3	5	5
2022-04-28 10:00	1.03	2.01	3.42	3.9	3	5	6
2022-04-28 11:00	1.05	2.04	3.15	3.29	3	5	5
2022-04-28 12:00	1.04	2.13	3.32	3.42	3	5	5
2022-04-28 13:00	1.11	2.29	3.48	3.82	4	5	6
2022-04-28 14:00	1.14	2.51	3.95	4.28	4	6	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-28 15:00	1.17	2.76	4.34	4.49	4	7	7
2022-04-28 16:00	1.18	2.82	4.5	4.66	4	7	7
2022-04-28 17:00	1.17	2.75	4.36	4.39	4	7	7
2022-04-28 18:00	1.15	2.67	4.23	4.37	4	7	7
2022-04-28 19:00	1.12	2.53	3.87	4.01	4	6	6
2022-04-28 20:00	1.21	2.57	3.83	3.88	4	6	6
2022-04-28 21:00	1.68	3.07	4.4	4.5	5	7	7
2022-04-28 22:00	1.29	2.57	3.68	3.73	4	6	6
2022-04-28 23:00	1.39	2.69	3.91	3.91	4	6	6
2022-04-29 00:00	1.15	2.47	3.78	3.93	4	6	6
2022-04-29 01:00	1.13	2.38	3.62	3.67	4	6	6
2022-04-29 02:00	1.07	2.25	3.4	3.5	4	5	6
2022-04-29 03:00	1.04	2.16	3.21	3.36	3	5	5
2022-04-29 04:00	1.03	2.13	3.24	3.67	3	5	6
2022-04-29 05:00	1.02	2.08	3.19	3.47	3	5	5
2022-04-29 06:00	1.02	2.07	3.2	3.7	3	5	6
2022-04-29 07:00	1.07	2.12	3.3	4	3	5	6
2022-04-29 08:00	1.11	2.1	3.29	3.91	3	5	6
2022-04-29 09:00	1.11	2.07	3.31	4.62	3	5	7
2022-04-29 10:00	1.15	2.08	3.35	4.29	3	5	7
2022-04-29 11:00	1.19	2.03	3.22	4.69	3	5	7
2022-04-29 12:00	1.34	2.17	3.62	4.99	3	6	8
2022-04-29 13:00	1.4	2.25	3.69	5.37	4	6	8
2022-04-29 14:00	1.42	2.27	3.73	5.05	4	6	8
2022-04-29 15:00	1.45	2.31	3.85	4.93	4	6	8
2022-04-29 16:00	1.47	2.3	3.72	4.15	4	6	7
2022-04-29 17:00	1.48	2.31	3.52	4.05	4	6	6
2022-04-29 18:00	1.91	2.77	3.59	3.87	4	6	6
2022-04-29 19:00	2.06	3.1	4.15	4.58	5	7	7
2022-04-29 20:00	2.15	3.22	4.26	4.54	5	7	7
2022-04-29 21:00	2.33	3.46	4.62	4.86	5	7	8
2022-04-29 22:00	2.07	3.17	4.46	4.84	5	7	8
2022-04-29 23:00	1.85	2.95	4.45	5.07	5	7	8
2022-04-30 00:00	2.03	3.31	5.33	5.69	5	8	9
2022-04-30 01:00	2.03	3.31	4.8	5.1	5	8	8
2022-04-30 02:00	2.11	3.4	4.5	4.84	5	7	8
2022-04-30 03:00	2.18	3.31	4.11	4.25	5	6	7
2022-04-30 04:00	1.99	3.1	3.9	4.09	5	6	6
2022-04-30 05:00	1.88	3.01	3.82	4.01	5	6	6
2022-04-30 06:00	1.81	2.93	3.88	3.88	5	6	6
2022-04-30 07:00	1.73	2.84	3.89	4.22	4	6	7
2022-04-30 08:00	1.72	2.88	3.98	4.22	5	6	7
2022-04-30 09:00	1.7	2.82	3.89	4.18	4	6	7
2022-04-30 10:00	1.69	2.8	3.97	4.31	4	6	7
2022-04-30 11:00	1.73	2.85	4.21	4.78	4	7	8
2022-04-30 12:00	1.74	2.9	4.42	4.61	5	7	7
2022-04-30 13:00	1.73	2.93	4.88	5.44	5	8	9
2022-04-30 14:00	2.07	3.58	5.82	6.85	6	9	11
2022-04-30 15:00	1.69	2.9	5.12	6.53	5	8	10
2022-04-30 16:00	1.66	2.85	4.77	5.44	4	8	9
2022-04-30 17:00	1.66	2.89	4.83	5.69	5	8	9

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-04-30 18:00	1.51	2.63	4.37	5.51	4	7	9
2022-04-30 19:00	1.51	2.56	4	4.62	4	6	7
2022-04-30 20:00	1.63	2.65	4.27	4.8	4	7	8
2022-04-30 21:00	1.52	2.49	3.75	4.04	4	6	6
2022-04-30 22:00	1.98	3.2	5.01	5.44	5	8	9
2022-04-30 23:00	1.99	3.26	5.19	5.77	5	8	9
2022-05-01 00:00	1.69	2.82	4.42	5.37	4	7	8
2022-05-01 01:00	1.77	2.91	4.53	4.86	5	7	8
2022-05-01 02:00	2.02	3.3	5.11	5.79	5	8	9
2022-05-01 03:00	1.99	3.2	4.81	5.14	5	8	8
2022-05-01 04:00	2	3.23	4.7	4.85	5	7	8
2022-05-01 05:00	1.9	3.08	4.43	4.62	5	7	7
2022-05-01 06:00	2.03	3.16	4.44	4.63	5	7	7
2022-05-01 07:00	2.2	3.42	4.42	4.66	5	7	7
2022-05-01 08:00	2.29	3.78	5.29	5.67	6	8	9
2022-05-01 09:00	1.91	3.09	4.05	4.15	5	6	7
2022-05-01 10:00	1.7	2.72	3.5	3.59	4	6	6
2022-05-01 11:00	1.63	2.61	3.32	3.42	4	5	5
2022-05-01 12:00	1.49	2.28	2.88	2.93	4	5	5
2022-05-01 13:00	1.16	1.69	2.06	2.06	3	3	3
2022-05-01 14:00	1.22	1.73	2.11	2.3	3	3	4
2022-05-01 15:00	1.07	1.46	1.76	1.87	2	3	3
2022-05-01 16:00	0.85	1.11	1.38	1.42	2	2	2
2022-05-01 17:00	0.51	0.68	0.86	0.96	1	1	2
2022-05-01 18:00	0.22	0.32	0.54	0.59	1	1	1
2022-05-01 19:00	0.12	0.2	0.45	0.59	0	1	1
2022-05-01 20:00	0.15	0.22	0.4	0.54	0	1	1
2022-05-01 21:00	0.09	0.14	0.29	0.39	0	0	1
2022-05-01 22:00	0.05	0.09	0.26	0.31	0	0	0
2022-05-01 23:00	0.04	0.07	0.2	0.2	0	0	0
2022-05-02 00:00	0.04	0.07	0.17	0.21	0	0	0
2022-05-02 01:00	0.05	0.08	0.15	0.16	0	0	0
2022-05-02 02:00	0.06	0.09	0.15	0.15	0	0	0
2022-05-02 03:00	0.08	0.12	0.18	0.18	0	0	0
2022-05-02 04:00	0.1	0.14	0.2	0.2	0	0	0
2022-05-02 05:00	0.11	0.16	0.22	0.22	0	0	0
2022-05-02 06:00	0.14	0.2	0.27	0.32	0	0	1
2022-05-02 07:00	0.15	0.22	0.29	0.34	0	0	1
2022-05-02 08:00	0.29	0.4	0.49	0.59	1	1	1
2022-05-02 09:00	0.49	0.6	0.72	0.72	1	1	1
2022-05-02 10:00	1.27	1.43	1.54	1.73	2	2	3
2022-05-02 11:00	1.26	1.42	1.56	1.94	2	2	3
2022-05-02 12:00	0.43	0.65	0.84	0.93	1	1	1
2022-05-02 13:00	0.36	0.53	0.67	0.86	1	1	1
2022-05-02 14:00	0.42	0.58	0.71	0.9	1	1	1
2022-05-02 15:00	0.37	0.51	0.61	0.95	1	1	1
2022-05-02 16:00	0.3	0.43	0.54	0.63	1	1	1
2022-05-02 17:00	0.38	0.54	0.66	0.76	1	1	1
2022-05-02 18:00	0.43	0.64	0.78	0.78	1	1	1
2022-05-02 19:00	4.61	5.13	5.5	5.5	8	9	9
2022-05-02 20:00	2.62	3.08	3.33	3.52	5	5	6

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-02 21:00	2.13	2.51	2.8	2.9	4	4	5
2022-05-02 22:00	6.05	8.13	8.81	8.95	13	14	14
2022-05-02 23:00	2.23	3.91	4.73	4.73	6	7	7
2022-05-03 00:00	1.38	2.78	3.75	3.8	4	6	6
2022-05-03 01:00	3.31	6.37	7.77	7.77	10	12	12
2022-05-03 02:00	5.37	8.21	9.15	9.15	13	14	14
2022-05-03 03:00	1.13	1.98	2.31	2.31	3	4	4
2022-05-03 04:00	0.65	1.02	1.19	1.19	2	2	2
2022-05-03 05:00	0.64	0.98	1.14	1.23	2	2	2
2022-05-03 06:00	0.65	1.17	1.46	1.46	2	2	2
2022-05-03 07:00	1.33	2.25	2.53	2.53	4	4	4
2022-05-03 08:00	0.54	0.85	1.04	1.09	1	2	2
2022-05-03 09:00	6.3	7.08	7.23	7.23	11	11	11
2022-05-03 10:00	0.82	1.05	1.26	1.41	2	2	2
2022-05-03 11:00	0.42	0.67	0.84	0.84	1	1	1
2022-05-03 12:00	0.68	0.97	1.18	1.23	2	2	2
2022-05-03 13:00	0.54	0.86	1.1	1.1	1	2	2
2022-05-03 14:00	0.54	0.86	1.14	1.19	1	2	2
2022-05-03 15:00	0.58	0.91	1.17	1.17	1	2	2
2022-05-03 16:00	0.53	0.84	1.09	1.19	1	2	2
2022-05-03 17:00	0.52	0.84	1.08	1.08	1	2	2
2022-05-03 18:00	0.57	0.89	1.14	1.19	1	2	2
2022-05-03 19:00	0.55	0.89	1.2	1.2	1	2	2
2022-05-03 20:00	0.52	0.86	1.21	1.26	1	2	2
2022-05-03 21:00	1.75	2.23	2.76	2.76	4	4	4
2022-05-03 22:00	0.99	1.41	1.83	1.83	2	3	3
2022-05-03 23:00	0.87	1.27	1.66	1.76	2	3	3
2022-05-04 00:00	0.67	1.05	1.37	1.37	2	2	2
2022-05-04 01:00	1.21	1.7	2.17	2.17	3	3	3
2022-05-04 02:00	0.81	1.21	1.54	1.54	2	2	2
2022-05-04 03:00	0.83	1.22	1.55	1.69	2	2	3
2022-05-04 04:00	0.94	1.34	1.68	1.68	2	3	3
2022-05-04 05:00	0.63	0.97	1.21	1.21	2	2	2
2022-05-04 06:00	0.59	0.92	1.16	1.16	1	2	2
2022-05-04 07:00	0.6	0.93	1.14	1.14	1	2	2
2022-05-04 08:00	0.62	0.96	1.23	1.23	2	2	2
2022-05-04 09:00	0.66	1.02	1.3	1.3	2	2	2
2022-05-04 10:00	0.71	1.1	1.45	1.45	2	2	2
2022-05-04 11:00	0.82	1.24	1.62	1.71	2	3	3
2022-05-04 12:00	0.92	1.36	1.79	2.26	2	3	4
2022-05-04 13:00	0.94	1.37	1.79	2.47	2	3	4
2022-05-04 14:00	0.9	1.29	1.71	2.23	2	3	4
2022-05-04 15:00	0.89	1.27	1.66	1.86	2	3	3
2022-05-04 16:00	0.91	1.29	1.97	2.45	2	3	4
2022-05-04 17:00	1.02	1.51	2.78	3.69	2	4	6
2022-05-04 18:00	1	1.49	2.52	3.43	2	4	5
2022-05-04 19:00	0.96	1.5	2.74	3.7	2	4	6
2022-05-04 20:00	0.93	1.49	2.76	3.04	2	4	5
2022-05-04 21:00	0.95	1.49	2.57	2.57	2	4	4
2022-05-04 22:00	1.13	1.7	2.67	2.71	3	4	4
2022-05-04 23:00	1.81	2.44	3.4	3.4	4	5	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-05 00:00	1.05	1.55	2.31	2.45	2	4	4
2022-05-05 01:00	0.94	1.38	1.94	2.03	2	3	3
2022-05-05 02:00	1.03	1.49	2.19	2.57	2	3	4
2022-05-05 03:00	1.05	1.48	2.01	2.11	2	3	3
2022-05-05 04:00	0.98	1.4	1.98	2.26	2	3	4
2022-05-05 05:00	1.62	2.13	2.92	3.21	3	5	5
2022-05-05 06:00	1.21	1.65	2.26	2.5	3	4	4
2022-05-05 07:00	1.42	1.87	2.54	3.07	3	4	5
2022-05-05 08:00	2.1	2.59	3.33	4.34	4	5	7
2022-05-05 09:00	1.23	1.68	2.39	2.97	3	4	5
2022-05-05 10:00	1.31	1.88	3.2	4.26	3	5	7
2022-05-05 11:00	1.46	2.27	4.82	6.98	4	8	11
2022-05-05 12:00	1.43	2.24	4.57	5.96	4	7	9
2022-05-05 13:00	1.49	2.33	4.42	5.47	4	7	9
2022-05-05 14:00	1.44	2.25	4.11	5.12	4	6	8
2022-05-05 15:00	1.42	2.2	4.05	4.82	3	6	8
2022-05-05 16:00	1.44	2.25	4.08	4.75	4	6	7
2022-05-05 17:00	1.39	2.15	3.68	4.06	3	6	6
2022-05-05 18:00	1.38	2.19	3.83	4.21	3	6	7
2022-05-05 19:00	1.34	2.31	4.57	5	4	7	8
2022-05-05 20:00	1.31	2.34	4.62	4.82	4	7	8
2022-05-05 21:00	1.51	2.49	4.44	4.82	4	7	8
2022-05-05 22:00	1.43	2.3	3.83	3.88	4	6	6
2022-05-05 23:00	1.57	2.48	4.01	4.01	4	6	6
2022-05-06 00:00	1.51	2.35	3.68	3.78	4	6	6
2022-05-06 01:00	1.51	2.27	3.37	3.61	4	5	6
2022-05-06 02:00	1.51	2.19	3.15	3.2	3	5	5
2022-05-06 03:00	1.26	1.83	2.66	2.8	3	4	4
2022-05-06 04:00	1.46	2.03	2.83	2.97	3	4	5
2022-05-06 05:00	1.36	1.9	2.64	2.73	3	4	4
2022-05-06 06:00	1.33	1.82	2.45	2.49	3	4	4
2022-05-06 07:00	1.21	1.72	2.37	3.33	3	4	5
2022-05-06 08:00	1.23	1.78	2.52	4	3	4	6
2022-05-06 09:00	1.18	1.71	2.44	4.79	3	4	8
2022-05-06 10:00	1.15	1.66	2.44	3.56	3	4	6
2022-05-06 11:00	1.16	1.68	2.52	3.33	3	4	5
2022-05-06 12:00	1.14	1.69	2.51	3.86	3	4	6
2022-05-06 13:00	1.12	1.67	2.5	3.06	3	4	5
2022-05-06 14:00	1.15	1.75	2.64	2.98	3	4	5
2022-05-06 15:00	1.14	1.81	2.82	3.34	3	4	5
2022-05-06 16:00	1.14	1.85	2.82	3.59	3	4	6
2022-05-06 17:00	1.13	1.85	2.85	3.58	3	4	6
2022-05-06 18:00	1.18	1.93	2.88	3.53	3	5	6
2022-05-06 19:00	1.23	2.03	3.18	3.82	3	5	6
2022-05-06 20:00	1.28	2.24	3.8	4.12	4	6	6
2022-05-06 21:00	1.3	2.24	3.75	3.84	4	6	6
2022-05-06 22:00	1.21	1.95	2.97	3.51	3	5	6
2022-05-06 23:00	1.21	1.89	2.86	3.83	3	4	6
2022-05-07 00:00	1.22	1.85	2.84	3.72	3	4	6
2022-05-07 01:00	1.22	1.83	2.84	3.55	3	4	6
2022-05-07 02:00	1.24	1.87	2.88	3.36	3	5	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-07 03:00	1.22	1.86	2.78	2.94	3	4	5
2022-05-07 04:00	1.21	1.87	2.73	2.87	3	4	5
2022-05-07 05:00	1.21	1.84	2.66	3.18	3	4	5
2022-05-07 06:00	1.21	1.81	2.64	3.26	3	4	5
2022-05-07 07:00	1.21	1.8	2.63	3.15	3	4	5
2022-05-07 08:00	1.24	1.83	2.71	4.13	3	4	6
2022-05-07 09:00	1.25	1.83	2.72	4.18	3	4	7
2022-05-07 10:00	1.26	1.83	2.86	4.25	3	4	7
2022-05-07 11:00	1.32	1.92	3.14	5.21	3	5	8
2022-05-07 12:00	1.39	2.03	3.32	5.36	3	5	8
2022-05-07 13:00	1.48	2.16	3.86	6.22	3	6	10
2022-05-07 14:00	1.81	2.67	5.25	8.85	4	8	14
2022-05-07 15:00	1.84	2.72	5.31	8.16	4	8	13
2022-05-07 16:00	1.87	2.81	5.18	8.02	4	8	13
2022-05-07 17:00	1.91	2.86	5.08	7.74	4	8	12
2022-05-07 18:00	1.97	2.94	5.09	7.72	5	8	12
2022-05-07 19:00	1.87	2.83	4.83	8.23	4	8	13
2022-05-07 20:00	1.77	2.75	4.61	6.19	4	7	10
2022-05-07 21:00	1.73	2.67	4.5	5.7	4	7	9
2022-05-07 22:00	1.71	2.61	4.16	7.46	4	7	12
2022-05-07 23:00	1.64	2.54	4.05	6.12	4	6	10
2022-05-08 00:00	1.55	2.41	3.84	5.44	4	6	9
2022-05-08 01:00	1.47	2.25	3.64	4.62	4	6	7
2022-05-08 02:00	1.46	2.19	3.49	4.78	3	5	8
2022-05-08 03:00	1.47	2.23	3.41	4.17	4	5	7
2022-05-08 04:00	1.52	2.34	3.62	4.29	4	6	7
2022-05-08 05:00	1.59	2.45	3.89	5.11	4	6	8
2022-05-08 06:00	1.69	2.68	4.34	5.76	4	7	9
2022-05-08 07:00	1.78	2.78	4.01	4.2	4	6	7
2022-05-08 08:00	1.95	2.96	3.99	4.09	5	6	6
2022-05-08 09:00	2.19	3.22	4.23	4.32	5	7	7
2022-05-08 10:00	2.3	3.36	4.29	4.39	5	7	7
2022-05-08 11:00	2.4	3.44	4.2	4.25	5	7	7
2022-05-08 12:00	2.19	3.01	3.58	3.58	5	6	6
2022-05-08 13:00	1.58	2.1	2.43	2.43	3	4	4
2022-05-08 14:00	1.01	1.33	1.59	1.59	2	3	3
2022-05-08 15:00	0.57	0.79	1	1.12	1	2	2
2022-05-08 16:00	0.39	0.56	0.73	0.8	1	1	1
2022-05-08 17:00	0.22	0.34	0.53	0.58	1	1	1
2022-05-08 18:00	0.25	0.36	0.59	0.59	1	1	1
2022-05-08 19:00	0.38	0.54	0.81	0.85	1	1	1
2022-05-08 20:00	0.6	0.8	1.12	1.17	1	2	2
2022-05-08 21:00	0.76	0.94	1.19	1.24	1	2	2
2022-05-08 22:00	0.76	0.91	1.17	1.17	1	2	2
2022-05-08 23:00	0.75	0.9	2.97	14.04	1	5	22
2022-05-09 00:00	1.08	1.28	2.61	8.12	2	4	13
2022-05-09 01:00	1.76	2.21	2.66	2.84	3	4	4
2022-05-09 02:00	1.65	2.02	2.53	3.35	3	4	5
2022-05-09 03:00	1.6	1.98	2.58	2.98	3	4	5
2022-05-09 04:00	1.85	2.32	2.92	3.02	4	5	5
2022-05-09 05:00	1.58	2.02	2.73	2.83	3	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-09 06:00	1.5	1.97	3.31	4.93	3	5	8
2022-05-09 07:00	1.83	2.53	3.49	3.87	4	5	6
2022-05-09 08:00	1.86	2.66	3.96	4.39	4	6	7
2022-05-09 09:00	1.92	2.79	4.17	4.79	4	7	8
2022-05-09 10:00	1.96	2.87	4.23	4.62	5	7	7
2022-05-09 11:00	2.03	3.02	4.46	4.84	5	7	8
2022-05-09 12:00	2.09	3.11	4.54	4.88	5	7	8
2022-05-09 13:00	2.36	3.56	5.23	6.04	6	8	9
2022-05-09 14:00	2.49	3.7	5.02	5.74	6	8	9
2022-05-09 15:00	2.34	3.57	5.08	5.89	6	8	9
2022-05-09 16:00	2.27	3.44	4.68	5.26	5	7	8
2022-05-09 17:00	2.58	3.89	5.35	6.45	6	8	10
2022-05-09 18:00	2.16	3.14	4.2	4.87	5	7	8
2022-05-09 19:00	2.22	3.16	4.29	4.43	5	7	7
2022-05-09 20:00	2.17	3.17	4.73	5.3	5	7	8
2022-05-09 21:00	2.56	3.64	5.36	6.23	6	8	10
2022-05-09 22:00	3.08	4.28	6.06	6.39	7	10	10
2022-05-09 23:00	2.31	3.05	3.93	3.97	5	6	6
2022-05-10 00:00	0.41	0.6	0.84	0.84	1	1	1
2022-05-10 01:00	0.13	0.25	0.47	0.47	0	1	1
2022-05-10 02:00	0.07	0.16	0.35	0.4	0	1	1
2022-05-10 03:00	0.07	0.16	0.34	0.34	0	1	1
2022-05-10 04:00	0.12	0.24	0.44	0.44	0	1	1
2022-05-10 05:00	0.2	0.34	0.58	0.63	1	1	1
2022-05-10 06:00	0.44	0.69	1.05	1.14	1	2	2
2022-05-10 07:00	0.62	0.96	1.44	1.54	2	2	2
2022-05-10 08:00	0.68	1.06	1.56	1.7	2	2	3
2022-05-10 09:00	0.84	1.27	1.83	1.83	2	3	3
2022-05-10 10:00	0.84	1.29	1.91	2.01	2	3	3
2022-05-10 11:00	0.49	0.85	1.35	1.54	1	2	2
2022-05-10 12:00	0.24	0.5	0.84	0.98	1	1	2
2022-05-10 13:00	0.25	0.58	1.09	1.52	1	2	2
2022-05-10 14:00	0.39	0.92	1.69	2.94	1	3	5
2022-05-10 15:00	0.45	0.89	1.71	3.58	1	3	6
2022-05-10 16:00	0.38	0.75	1.69	3.8	1	3	6
2022-05-10 17:00	0.37	0.71	1.75	3.52	1	3	6
2022-05-10 18:00	0.4	0.74	1.78	3.26	1	3	5
2022-05-10 19:00	0.43	0.91	2.34	3.53	1	4	6
2022-05-10 20:00	0.42	1.2	3.31	3.6	2	5	6
2022-05-10 21:00	0.41	1.27	3.68	3.82	2	6	6
2022-05-10 22:00	0.42	1.21	3.5	3.69	2	6	6
2022-05-10 23:00	0.42	1.13	3.39	3.58	2	5	6
2022-05-11 00:00	0.42	1.07	2.98	2.98	2	5	5
2022-05-11 01:00	0.44	1.06	2.86	3.1	2	4	5
2022-05-11 02:00	0.44	1.04	2.69	2.84	2	4	4
2022-05-11 03:00	0.45	0.99	2.55	2.98	2	4	5
2022-05-11 04:00	0.49	1.07	2.54	3.27	2	4	5
2022-05-11 05:00	0.49	1.08	2.49	2.97	2	4	5
2022-05-11 06:00	0.48	1.05	2.52	2.96	2	4	5
2022-05-11 07:00	0.39	0.83	1.96	2.73	1	3	4
2022-05-11 08:00	0.25	0.53	1.15	2.06	1	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-11 09:00	0.18	0.38	0.86	1.92	1	1	3
2022-05-11 10:00	0.17	0.37	0.84	1.04	1	1	2
2022-05-11 11:00	0.17	0.37	0.88	1.36	1	1	2
2022-05-11 12:00	0.16	0.36	0.89	1.84	1	1	3
2022-05-11 13:00	0.17	0.38	0.98	1.7	1	2	3
2022-05-11 14:00	0.17	0.38	0.98	2.03	1	2	3
2022-05-11 15:00	0.17	0.37	0.99	1.91	1	2	3
2022-05-11 16:00	0.18	0.41	1.3	2.35	1	2	4
2022-05-11 17:00	0.18	0.43	1.27	1.75	1	2	3
2022-05-11 18:00	0.24	0.77	2.42	3.33	1	4	5
2022-05-11 19:00	0.35	0.91	2.73	3.16	1	4	5
2022-05-11 20:00	0.23	1.03	3.77	4.1	2	6	6
2022-05-11 21:00	0.29	1.15	4.34	5.02	2	7	8
2022-05-11 22:00	0.29	1.06	4.01	4.68	2	6	7
2022-05-11 23:00	0.28	1.05	3.77	4.06	2	6	6
2022-05-12 00:00	0.24	0.86	3.06	3.3	1	5	5
2022-05-12 01:00	0.46	1.21	3.84	4.27	2	6	7
2022-05-12 02:00	0.39	1.03	3.16	3.68	2	5	6
2022-05-12 03:00	0.32	0.92	2.94	3.37	1	5	5
2022-05-12 04:00	0.25	0.73	2.22	2.66	1	3	4
2022-05-12 05:00	0.33	0.72	1.96	2.97	1	3	5
2022-05-12 06:00	0.65	1.15	2.37	3.36	2	4	5
2022-05-12 07:00	0.64	1.44	2.54	2.92	2	4	5
2022-05-12 08:00	0.9	2.3	3.85	4.09	4	6	6
2022-05-12 09:00	0.94	2.37	4.16	5.26	4	7	8
2022-05-12 10:00	0.94	2.12	3.47	3.62	3	5	6
2022-05-12 11:00	1.03	2.48	4.16	4.45	4	7	7
2022-05-12 12:00	1.09	2.68	4.49	5.3	4	7	8
2022-05-12 13:00	1.09	2.64	4.28	5.33	4	7	8
2022-05-12 14:00	1.03	2.33	3.76	4.24	4	6	7
2022-05-12 15:00	1.02	2.4	3.9	4.61	4	6	7
2022-05-12 16:00	0.83	1.79	3.01	3.69	3	5	6
2022-05-12 17:00	0.74	1.49	2.54	3.4	2	4	5
2022-05-12 18:00	1.2	2.18	3.58	3.95	3	6	6
2022-05-12 19:00	1.14	1.97	3.42	3.61	3	5	6
2022-05-12 20:00	0.75	1.32	2.58	3.01	2	4	5
2022-05-12 21:00	0.57	1.12	2.21	2.69	2	3	4
2022-05-12 22:00	0.47	0.97	1.96	2.82	2	3	4
2022-05-12 23:00	0.64	1.33	2.39	3.11	2	4	5
2022-05-13 00:00	0.72	1.53	2.79	4.42	2	4	7
2022-05-13 01:00	0.67	1.49	2.44	2.68	2	4	4
2022-05-13 02:00	0.53	1.05	1.64	1.74	2	3	3
2022-05-13 03:00	0.54	1.02	1.61	1.7	2	3	3
2022-05-13 04:00	0.53	0.92	1.4	1.44	1	2	2
2022-05-13 05:00	0.31	0.52	0.85	0.95	1	1	1
2022-05-13 06:00	0.38	0.63	0.95	1.18	1	1	2
2022-05-13 07:00	0.64	0.93	1.49	4.22	1	2	7
2022-05-13 08:00	0.65	0.88	1.52	4.17	1	2	7
2022-05-13 09:00	0.59	0.78	1.27	4.41	1	2	7
2022-05-13 10:00	0.58	0.72	1.05	2.25	1	2	4
2022-05-13 11:00	0.74	0.87	1.2	1.97	1	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-13 12:00	1.41	1.61	1.95	2.38	3	3	4
2022-05-13 13:00	2.22	2.46	2.86	3.05	4	4	5
2022-05-13 14:00	2.24	2.47	2.99	3.78	4	5	6
2022-05-13 15:00	2.55	2.82	3.5	4.58	4	6	7
2022-05-13 16:00	2.97	3.35	4.2	4.49	5	7	7
2022-05-13 17:00	3.41	3.83	4.72	5.49	6	7	9
2022-05-13 18:00	3.07	3.36	4.36	8.12	5	7	13
2022-05-13 19:00	2.17	2.34	6.23	26.01	4	10	41
2022-05-13 20:00	1.9	2.31	28.64	125.31	4	45	197
2022-05-13 21:00	1.84	2.3	35.23	191.48	4	55	301
2022-05-13 22:00	1.39	1.8	30.94	142.58	3	49	224
2022-05-13 23:00	1.1	1.39	20.69	77.75	2	33	122
2022-05-14 00:00	0.81	1.06	4.49	11.16	2	7	18
2022-05-14 01:00	0.56	1	3.07	4.07	2	5	6
2022-05-14 02:00	0.29	0.86	3.29	3.96	1	5	6
2022-05-14 03:00	0.23	0.85	3.35	4.07	1	5	6
2022-05-14 04:00	0.23	0.84	3.26	4.15	1	5	7
2022-05-14 05:00	0.25	0.86	2.87	3.52	1	5	6
2022-05-14 06:00	0.26	0.81	2.52	3.04	1	4	5
2022-05-14 07:00	0.26	0.71	1.89	2.66	1	3	4
2022-05-14 08:00	0.25	0.6	1.43	1.8	1	2	3
2022-05-14 09:00	0.21	0.48	1.15	1.73	1	2	3
2022-05-14 10:00	0.21	0.46	1.03	1.47	1	2	2
2022-05-14 11:00	0.25	0.5	1.08	1.6	1	2	3
2022-05-14 12:00	0.45	0.84	1.62	1.91	1	3	3
2022-05-14 13:00	0.67	1.14	1.9	2.43	2	3	4
2022-05-14 14:00	0.67	1.16	1.93	2.26	2	3	4
2022-05-14 15:00	0.64	1.12	1.82	2.2	2	3	3
2022-05-14 16:00	0.59	0.97	1.72	2.2	2	3	3
2022-05-14 17:00	0.66	1.05	1.89	2.22	2	3	3
2022-05-14 18:00	0.42	0.72	1.46	1.74	1	2	3
2022-05-14 19:00	0.16	0.33	0.76	0.95	1	1	1
2022-05-14 20:00	0.07	0.22	0.56	0.56	0	1	1
2022-05-14 21:00	0.06	0.21	0.55	0.74	0	1	1
2022-05-14 22:00	0.06	0.24	0.65	0.79	0	1	1
2022-05-14 23:00	0.08	0.29	0.71	0.76	0	1	1
2022-05-15 00:00	0.1	0.32	0.71	0.81	1	1	1
2022-05-15 01:00	0.12	0.37	0.84	0.84	1	1	1
2022-05-15 02:00	0.15	0.38	0.82	0.82	1	1	1
2022-05-15 03:00	0.18	0.42	0.82	1.05	1	1	2
2022-05-15 04:00	0.19	0.41	0.79	0.85	1	1	1
2022-05-15 05:00	0.19	0.42	0.86	0.91	1	1	1
2022-05-15 06:00	0.24	0.55	1.07	1.26	1	2	2
2022-05-15 07:00	0.23	0.5	0.95	1	1	1	2
2022-05-15 08:00	0.24	0.5	0.91	1	1	1	2
2022-05-15 09:00	0.23	0.47	0.92	0.96	1	1	2
2022-05-15 10:00	0.19	0.38	0.69	0.79	1	1	1
2022-05-15 11:00	0.12	0.22	0.39	0.44	0	1	1
2022-05-15 12:00	0.07	0.16	0.33	0.38	0	1	1
2022-05-15 13:00	0.04	0.13	0.31	0.36	0	0	1
2022-05-15 14:00	0.04	0.12	0.27	0.46	0	0	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-15 15:00	0.04	0.12	0.3	0.39	0	0	1
2022-05-15 16:00	0.04	0.11	0.3	0.3	0	0	0
2022-05-15 17:00	0.04	0.12	0.3	0.54	0	0	1
2022-05-15 18:00	0.05	0.13	0.35	0.49	0	1	1
2022-05-15 19:00	0.05	0.12	0.31	0.46	0	0	1
2022-05-15 20:00	0.05	0.12	0.27	0.27	0	0	0
2022-05-15 21:00	0.07	0.15	0.29	0.29	0	0	0
2022-05-15 22:00	0.07	0.17	0.34	0.34	0	1	1
2022-05-15 23:00	0.05	0.13	0.29	0.34	0	0	1
2022-05-16 00:00	0.03	0.07	0.21	0.21	0	0	0
2022-05-16 01:00	0.08	0.12	0.26	0.6	0	0	1
2022-05-16 02:00	0.11	0.15	0.37	2.04	0	1	3
2022-05-16 03:00	0.08	0.11	0.26	0.88	0	0	1
2022-05-16 04:00	0.05	0.07	0.24	1.39	0	0	2
2022-05-16 05:00	0.07	0.09	0.31	2.28	0	0	4
2022-05-16 06:00	0.06	0.09	0.29	1.88	0	0	3
2022-05-16 07:00	0.12	0.15	0.26	0.65	0	0	1
2022-05-16 08:00	0.18	0.22	0.36	0.36	0	1	1
2022-05-16 09:00	0.09	0.12	0.23	0.28	0	0	0
2022-05-16 10:00	0.07	0.11	0.2	0.25	0	0	0
2022-05-16 11:00	0.07	0.1	0.22	0.31	0	0	0
2022-05-16 12:00	0.1	0.15	0.3	0.45	0	0	1
2022-05-16 13:00	0.16	0.22	0.44	0.63	0	1	1
2022-05-16 14:00	0.23	0.32	0.57	0.72	1	1	1
2022-05-16 15:00	0.42	0.57	0.98	1.08	1	2	2
2022-05-16 16:00	0.56	0.75	1.19	1.48	1	2	2
2022-05-16 17:00	0.77	1.06	1.57	1.76	2	2	3
2022-05-16 18:00	0.89	1.22	1.78	1.92	2	3	3
2022-05-16 19:00	1.23	1.64	2.32	2.46	3	4	4
2022-05-16 20:00	1.26	1.7	2.41	2.5	3	4	4
2022-05-16 21:00	1.07	1.59	2.51	2.51	3	4	4
2022-05-16 22:00	1.23	1.74	2.61	2.61	3	4	4
2022-05-16 23:00	1.53	2.42	3.49	3.49	4	5	5
2022-05-17 00:00	1.74	2.58	3.58	3.67	4	6	6
2022-05-17 01:00	5.86	9.97	12.67	12.76	16	20	20
2022-05-17 02:00	2.05	2.91	4.01	4.01	5	6	6
2022-05-17 03:00	2.35	3.64	4.82	4.82	6	8	8
2022-05-17 04:00	5.21	9.39	11.26	11.35	15	18	18
2022-05-17 05:00	3.2	5	6.17	6.22	8	10	10
2022-05-17 06:00	11.79	22.6	26.43	26.53	36	42	42
2022-05-17 07:00	3.13	5.19	6.22	6.22	8	10	10
2022-05-17 08:00	0.91	1.2	1.48	1.48	2	2	2
2022-05-17 09:00	0.9	1.22	1.5	1.55	2	2	2
2022-05-17 10:00	1.01	1.37	1.68	1.83	2	3	3
2022-05-17 11:00	1.08	1.48	1.88	2.07	2	3	3
2022-05-17 12:00	1.1	1.5	1.92	2.12	2	3	3
2022-05-17 13:00	1.17	1.59	2.17	2.55	3	3	4
2022-05-17 14:00	1.29	1.74	2.4	2.88	3	4	5
2022-05-17 15:00	1.49	2.01	2.74	2.84	3	4	4
2022-05-17 16:00	1.49	2	2.72	2.91	3	4	5
2022-05-17 17:00	1.56	2.08	2.81	3.29	3	4	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-17 18:00	1.93	2.48	3.3	3.73	4	5	6
2022-05-17 19:00	1.93	2.47	3.2	3.3	4	5	5
2022-05-17 20:00	1.73	2.32	3.33	3.38	4	5	5
2022-05-17 21:00	1.73	2.3	3.32	3.56	4	5	6
2022-05-17 22:00	1.59	2.29	3.86	4.24	4	6	7
2022-05-17 23:00	1.76	2.45	4.05	4.25	4	6	7
2022-05-18 00:00	1.84	2.51	3.94	4.08	4	6	6
2022-05-18 01:00	1.76	2.44	3.94	4.09	4	6	6
2022-05-18 02:00	1.84	2.49	3.98	4.07	4	6	6
2022-05-18 03:00	1.77	2.4	3.82	4.16	4	6	7
2022-05-18 04:00	3.09	4.29	6.24	6.43	7	10	10
2022-05-18 05:00	3.72	5.16	7.12	7.4	8	11	12
2022-05-18 06:00	4.18	5.98	7.97	8.3	9	13	13
2022-05-18 07:00	2.24	3.22	4.64	4.88	5	7	8
2022-05-18 08:00	1.53	2.04	3.32	4.11	3	5	6
2022-05-18 09:00	1.68	2.22	3.84	5.93	3	6	9
2022-05-18 10:00	1.3	1.75	2.76	2.95	3	4	5
2022-05-18 11:00	0.98	1.39	2.21	2.31	2	3	4
2022-05-18 12:00	1.07	1.52	2.33	2.43	2	4	4
2022-05-18 13:00	1.28	1.78	2.77	3.17	3	4	5
2022-05-18 14:00	1.36	1.84	2.87	3.13	3	5	5
2022-05-18 15:00	1.24	1.71	2.54	3.31	3	4	5
2022-05-18 16:00	1.19	1.69	2.45	2.64	3	4	4
2022-05-18 17:00	1.29	1.81	2.61	2.7	3	4	4
2022-05-18 18:00	1.27	1.76	2.53	2.53	3	4	4
2022-05-18 19:00	1.22	1.78	2.72	2.81	3	4	4
2022-05-18 20:00	1.2	1.86	3.72	4.01	3	6	6
2022-05-18 21:00	1.29	1.84	3.43	3.48	3	5	5
2022-05-18 22:00	1.27	1.65	2.61	3.14	3	4	5
2022-05-18 23:00	1.26	1.69	2.89	3.09	3	5	5
2022-05-19 00:00	1.26	1.66	2.68	2.82	3	4	4
2022-05-19 01:00	1.78	2.52	3.42	3.66	4	5	6
2022-05-19 02:00	1.14	1.5	2.29	2.39	2	4	4
2022-05-19 03:00	0.99	1.3	2.02	2.07	2	3	3
2022-05-19 04:00	3.24	4.89	5.83	5.93	8	9	9
2022-05-19 05:00	1.68	2.25	2.9	2.95	4	5	5
2022-05-19 06:00	3.82	5.18	5.85	5.94	8	9	9
2022-05-19 07:00	0.85	1.09	1.43	1.62	2	2	3
2022-05-19 08:00	0.7	0.93	1.24	1.24	1	2	2
2022-05-19 09:00	0.69	0.92	1.2	1.25	1	2	2
2022-05-19 10:00	0.72	0.94	1.25	1.37	1	2	2
2022-05-19 11:00	0.83	1.05	1.4	1.68	2	2	3
2022-05-19 12:00	1.19	1.48	2.03	2.17	2	3	3
2022-05-19 13:00	1.38	1.73	2.34	3.2	3	4	5
2022-05-19 14:00	1.47	1.86	2.65	3.84	3	4	6
2022-05-19 15:00	1.29	1.66	2.49	3.83	3	4	6
2022-05-19 16:00	1.26	1.62	2.12	2.34	3	3	4
2022-05-19 17:00	1.28	1.64	2.15	2.48	3	3	4
2022-05-19 18:00	1.25	1.61	1.98	2.09	3	3	3
2022-05-19 19:00	1.65	2.14	2.94	3.08	3	5	5
2022-05-19 20:00	1.65	2.14	2.95	3.05	3	5	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-19 21:00	1.38	1.87	3.02	3.26	3	5	5
2022-05-19 22:00	1.43	1.9	2.96	3.29	3	5	5
2022-05-19 23:00	1.58	2.02	2.91	3.34	3	5	5
2022-05-20 00:00	1.36	1.75	2.53	3.55	3	4	6
2022-05-20 01:00	1.1	1.47	2.61	4.88	2	4	8
2022-05-20 02:00	1.01	1.45	2.85	6.65	2	4	10
2022-05-20 03:00	0.88	1.31	2.33	4.22	2	4	7
2022-05-20 04:00	0.83	1.2	1.88	2.8	2	3	4
2022-05-20 05:00	0.77	1.1	1.57	2.15	2	2	3
2022-05-20 06:00	0.66	0.94	1.27	1.79	1	2	3
2022-05-20 07:00	0.53	0.75	1.11	1.73	1	2	3
2022-05-20 08:00	0.44	0.64	0.95	1.38	1	1	2
2022-05-20 09:00	0.37	0.52	0.76	1.28	1	1	2
2022-05-20 10:00	0.37	0.49	0.69	1.28	1	1	2
2022-05-20 11:00	0.3	0.42	0.57	0.91	1	1	1
2022-05-20 12:00	0.25	0.35	0.47	0.61	1	1	1
2022-05-20 13:00	0.17	0.24	0.35	0.54	0	1	1
2022-05-20 14:00	0.15	0.21	0.3	0.39	0	0	1
2022-05-20 15:00	0.17	0.24	0.35	0.49	0	1	1
2022-05-20 16:00	0.21	0.29	0.41	0.41	0	1	1
2022-05-20 17:00	0.24	0.33	0.47	0.47	1	1	1
2022-05-20 18:00	0.2	0.27	0.41	0.5	0	1	1
2022-05-20 19:00	0.15	0.22	0.38	0.39	0	1	1
2022-05-20 20:00	0.22	0.31	0.47	0.47	0	1	1
2022-05-20 21:00	0.19	0.28	0.43	0.62	0	1	1
2022-05-20 22:00	0.14	0.22	0.37	0.47	0	1	1
2022-05-20 23:00	0.12	0.2	0.38	0.42	0	1	1
2022-05-21 00:00	0.1	0.17	0.3	0.3	0	0	0
2022-05-21 01:00	0.07	0.13	0.27	0.27	0	0	0
2022-05-21 02:00	0.15	0.22	0.31	0.31	0	0	0
2022-05-21 03:00	0.17	0.25	0.35	0.35	0	1	1
2022-05-21 04:00	0.18	0.27	0.41	0.41	0	1	1
2022-05-21 05:00	0.27	0.41	0.53	0.53	1	1	1
2022-05-21 06:00	0.26	0.42	0.57	0.62	1	1	1
2022-05-21 07:00	0.23	0.4	0.58	0.67	1	1	1
2022-05-21 08:00	0.22	0.4	0.59	0.71	1	1	1
2022-05-21 09:00	0.34	0.52	0.73	0.87	1	1	1
2022-05-21 10:00	0.16	0.29	0.43	0.63	0	1	1
2022-05-21 11:00	0.12	0.2	0.32	0.32	0	1	1
2022-05-21 12:00	0.11	0.17	0.25	0.44	0	0	1
2022-05-21 13:00	0.13	0.2	0.28	0.42	0	0	1
2022-05-21 14:00	0.13	0.23	0.41	0.55	0	1	1
2022-05-21 15:00	0.09	0.21	0.42	0.52	0	1	1
2022-05-21 16:00	0.11	0.21	0.36	0.45	0	1	1
2022-05-21 17:00	0.12	0.19	0.31	0.4	0	0	1
2022-05-21 18:00	0.12	0.26	0.46	0.46	0	1	1
2022-05-21 19:00	0.13	0.29	0.53	0.57	0	1	1
2022-05-21 20:00	0.14	0.37	0.84	0.84	1	1	1
2022-05-21 21:00	0.13	0.35	0.79	0.84	1	1	1
2022-05-21 22:00	0.13	0.37	0.92	1.01	1	1	2
2022-05-21 23:00	0.18	0.41	0.9	0.9	1	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-22 00:00	0.22	0.47	0.95	0.95	1	1	1
2022-05-22 01:00	0.66	1.01	1.8	1.8	2	3	3
2022-05-22 02:00	1.4	1.83	2.72	2.82	3	4	4
2022-05-22 03:00	2.59	3.19	4.36	4.5	5	7	7
2022-05-22 04:00	2.19	2.73	3.85	3.89	4	6	6
2022-05-22 05:00	1.12	1.51	2.3	2.4	2	4	4
2022-05-22 06:00	0.79	1.1	1.66	1.66	2	3	3
2022-05-22 07:00	0.92	1.23	1.7	1.79	2	3	3
2022-05-22 08:00	0.99	1.28	1.71	1.76	2	3	3
2022-05-22 09:00	0.99	1.29	1.75	2.08	2	3	3
2022-05-22 10:00	1.16	1.51	2	2.29	2	3	4
2022-05-22 11:00	1.13	1.47	2.01	2.59	2	3	4
2022-05-22 12:00	1.13	1.47	1.96	2.39	2	3	4
2022-05-22 13:00	1.12	1.46	1.95	2.43	2	3	4
2022-05-22 14:00	1.08	1.4	1.81	2.04	2	3	3
2022-05-22 15:00	1.02	1.34	1.76	2.42	2	3	4
2022-05-22 16:00	1.15	1.51	1.93	2.38	2	3	4
2022-05-22 17:00	1.29	1.69	2.21	2.64	3	3	4
2022-05-22 18:00	1.28	1.67	2.2	2.58	3	3	4
2022-05-22 19:00	1.24	1.62	2.17	2.45	3	3	4
2022-05-22 20:00	1.25	1.7	2.67	3.2	3	4	5
2022-05-22 21:00	1.19	1.73	3.3	4.02	3	5	6
2022-05-22 22:00	1.19	1.76	3.57	4.01	3	6	6
2022-05-22 23:00	1.19	1.77	3.51	3.79	3	6	6
2022-05-23 00:00	1.2	1.77	3.41	3.65	3	5	6
2022-05-23 01:00	1.17	1.67	3.02	3.07	3	5	5
2022-05-23 02:00	1.14	1.58	2.54	2.54	2	4	4
2022-05-23 03:00	1.32	1.77	2.79	2.79	3	4	4
2022-05-23 04:00	2.26	2.86	4.05	4.24	4	6	7
2022-05-23 05:00	1.7	2.19	3.34	3.39	3	5	5
2022-05-23 06:00	1.41	1.89	2.77	2.96	3	4	5
2022-05-23 07:00	1.56	2.1	2.95	3.67	3	5	6
2022-05-23 08:00	1.54	2.07	2.87	3.35	3	5	5
2022-05-23 09:00	1.28	1.74	2.52	3.19	3	4	5
2022-05-23 10:00	1.06	1.43	2.15	2.82	2	3	4
2022-05-23 11:00	1.15	1.57	2.41	3.08	2	4	5
2022-05-23 12:00	1.28	1.71	2.59	3.5	3	4	6
2022-05-23 13:00	1.27	1.73	2.68	3.4	3	4	5
2022-05-23 14:00	1.09	1.47	2.37	3.19	2	4	5
2022-05-23 15:00	1.04	1.38	2.19	3.15	2	3	5
2022-05-23 16:00	1.04	1.4	2.5	3.41	2	4	5
2022-05-23 17:00	1.11	1.55	2.66	3.62	2	4	6
2022-05-23 18:00	1.13	1.58	2.83	4.27	2	4	7
2022-05-23 19:00	1.16	1.64	2.91	4.06	3	5	6
2022-05-23 20:00	1.17	1.68	3.15	3.68	3	5	6
2022-05-23 21:00	1.23	1.78	3.46	3.84	3	5	6
2022-05-23 22:00	1.29	1.86	3.79	4.17	3	6	7
2022-05-23 23:00	1.33	1.88	3.41	3.99	3	5	6
2022-05-24 00:00	1.38	1.9	3.27	3.94	3	5	6
2022-05-24 01:00	1.45	2	3.41	3.99	3	5	6
2022-05-24 02:00	1.53	2.14	3.72	4.53	3	6	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-24 03:00	1.83	2.52	4.28	5.15	4	7	8
2022-05-24 04:00	1.94	2.63	4.37	5.28	4	7	8
2022-05-24 05:00	1.89	2.6	4.29	4.81	4	7	8
2022-05-24 06:00	2.12	2.94	4.61	5.9	5	7	9
2022-05-24 07:00	2.05	2.86	4.56	5.71	4	7	9
2022-05-24 08:00	1.93	2.71	4.55	5.6	4	7	9
2022-05-24 09:00	1.63	2.34	4.35	5.67	4	7	9
2022-05-24 10:00	1.63	2.31	3.91	5.05	4	6	8
2022-05-24 11:00	1.62	2.29	3.96	5.35	4	6	8
2022-05-24 12:00	1.52	2.16	4.03	5.9	3	6	9
2022-05-24 13:00	1.43	2.08	4.11	5.37	3	6	8
2022-05-24 14:00	1.46	2.58	5.48	8.81	4	9	14
2022-05-24 15:00	1.2	1.82	2.78	3.11	3	4	5
2022-05-24 16:00	1.17	1.76	2.85	3.38	3	4	5
2022-05-24 17:00	1.14	1.67	2.71	3.05	3	4	5
2022-05-24 18:00	1.11	1.69	2.89	3.27	3	5	5
2022-05-24 19:00	1.26	2.06	3.89	4.32	3	6	7
2022-05-24 20:00	1.24	2.54	6.64	7.68	4	10	12
2022-05-24 21:00	1.32	2.92	8.12	8.32	5	13	13
2022-05-24 22:00	1.62	3.2	8.25	8.91	5	13	14
2022-05-24 23:00	2.72	4.52	9.41	9.79	7	15	15
2022-05-25 00:00	1.74	3.2	8.05	8.43	5	13	13
2022-05-25 01:00	1.73	3	7.38	7.76	5	12	12
2022-05-25 02:00	1.41	2.45	6.22	6.6	4	10	10
2022-05-25 03:00	1.27	2.24	5.78	6.02	4	9	9
2022-05-25 04:00	1.32	2.26	6.05	6.24	4	10	10
2022-05-25 05:00	1.79	2.71	5.85	6.14	4	9	10
2022-05-25 06:00	1.37	2.19	4.6	5.03	3	7	8
2022-05-25 07:00	1.35	2.06	3.71	4.34	3	6	7
2022-05-25 08:00	1.35	2.05	4.02	4.89	3	6	8
2022-05-25 09:00	1.37	2.17	4.93	6.94	3	8	11
2022-05-25 10:00	1.69	2.76	6.24	8.68	4	10	14
2022-05-25 11:00	1.77	3.11	7.86	14.33	5	12	23
2022-05-25 12:00	1.49	2.71	6.68	9.04	4	11	14
2022-05-25 13:00	1.2	2.25	5.32	7.23	4	8	11
2022-05-25 14:00	0.68	1.22	2.42	2.86	2	4	4
2022-05-25 15:00	0.85	1.5	2.94	3.65	2	5	6
2022-05-25 16:00	0.81	1.47	3.03	3.46	2	5	5
2022-05-25 17:00	0.86	1.58	3.17	3.89	2	5	6
2022-05-25 18:00	0.84	1.4	2.42	2.72	2	4	4
2022-05-25 19:00	1.23	1.93	3.57	4.46	3	6	7
2022-05-25 20:00	1.45	2.23	4.01	4.64	4	6	7
2022-05-25 21:00	1.48	2.38	4.49	5.21	4	7	8
2022-05-25 22:00	1.43	2.31	4.43	4.72	4	7	7
2022-05-25 23:00	1.35	2.23	4.72	5.19	4	7	8
2022-05-26 00:00	1.31	2.21	5.03	5.41	3	8	9
2022-05-26 01:00	1.24	2.16	5.32	5.67	3	8	9
2022-05-26 02:00	1.17	1.93	4.24	4.51	3	7	7
2022-05-26 03:00	0.99	1.89	4.78	5.12	3	8	8
2022-05-26 04:00	0.93	1.91	4.58	4.63	3	7	7
2022-05-26 05:00	0.87	1.65	4.29	4.48	3	7	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-26 06:00	0.9	1.51	3.36	3.45	2	5	5
2022-05-26 07:00	1	1.53	2.63	2.77	2	4	4
2022-05-26 08:00	0.91	1.36	2.18	2.23	2	3	4
2022-05-26 09:00	0.68	1.01	1.62	1.72	2	3	3
2022-05-26 10:00	0.7	1.02	1.57	1.72	2	2	3
2022-05-26 11:00	0.86	1.25	1.88	1.98	2	3	3
2022-05-26 12:00	0.8	1.12	1.57	1.86	2	2	3
2022-05-26 13:00	0.61	0.83	1.16	1.35	1	2	2
2022-05-26 14:00	0.45	0.62	0.94	1.13	1	1	2
2022-05-26 15:00	0.48	0.67	0.93	1.29	1	1	2
2022-05-26 16:00	0.4	0.57	0.81	0.88	1	1	1
2022-05-26 17:00	0.33	0.48	0.79	1.03	1	1	2
2022-05-26 18:00	0.31	0.45	0.82	1.11	1	1	2
2022-05-26 19:00	0.29	0.44	0.88	1.24	1	1	2
2022-05-26 20:00	0.24	0.44	1.43	1.78	1	2	3
2022-05-26 21:00	0.25	0.62	2.84	3.27	1	4	5
2022-05-26 22:00	0.18	0.46	2.2	2.77	1	3	4
2022-05-26 23:00	0.15	0.4	1.93	2.36	1	3	4
2022-05-27 00:00	0.13	0.38	1.82	1.92	1	3	3
2022-05-27 01:00	0.15	0.41	1.81	2.19	1	3	3
2022-05-27 02:00	0.16	0.42	1.76	2.09	1	3	3
2022-05-27 03:00	0.15	0.35	1.4	1.78	1	2	3
2022-05-27 04:00	0.16	0.37	1.35	1.52	1	2	2
2022-05-27 05:00	0.21	0.5	1.8	2.06	1	3	3
2022-05-27 06:00	0.27	0.72	2.24	2.58	1	4	4
2022-05-27 07:00	0.24	0.52	1.48	1.67	1	2	3
2022-05-27 08:00	0.28	0.59	1.54	1.69	1	2	3
2022-05-27 09:00	0.28	0.58	1.43	1.67	1	2	3
2022-05-27 10:00	0.3	0.59	1.54	2.26	1	2	4
2022-05-27 11:00	0.33	0.63	1.63	2.78	1	3	4
2022-05-27 12:00	0.41	0.7	1.89	3.26	1	3	5
2022-05-27 13:00	0.76	1.26	3.02	5.16	2	5	8
2022-05-27 14:00	0.85	1.34	2.54	3.37	2	4	5
2022-05-27 15:00	0.96	1.52	2.81	4.31	2	4	7
2022-05-27 16:00	0.94	1.51	3.47	5.33	2	5	8
2022-05-27 17:00	1.22	1.8	3.5	5.08	3	6	8
2022-05-27 18:00	0.94	1.51	3.48	5.25	2	5	8
2022-05-27 19:00	1.02	1.64	3.68	4.63	3	6	7
2022-05-27 20:00	1.05	1.91	6.12	6.93	3	10	11
2022-05-27 21:00	1.03	2.07	7.89	9.53	3	12	15
2022-05-27 22:00	1	2.08	7.22	7.73	3	11	12
2022-05-27 23:00	1.05	1.82	4.57	5.02	3	7	8
2022-05-28 00:00	0.99	1.57	3.04	3.28	2	5	5
2022-05-28 01:00	0.87	1.42	2.82	2.92	2	4	5
2022-05-28 02:00	0.73	1.23	2.63	2.68	2	4	4
2022-05-28 03:00	0.65	1.1	2.53	2.63	2	4	4
2022-05-28 04:00	0.65	1.1	2.47	2.55	2	4	4
2022-05-28 05:00	0.87	1.28	2.31	2.51	2	4	4
2022-05-28 06:00	0.83	1.19	2.14	2.14	2	3	3
2022-05-28 07:00	0.65	0.98	1.77	1.96	2	3	3
2022-05-28 08:00	0.63	0.94	1.65	1.84	1	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-05-28 09:00	0.57	0.87	1.61	1.99	1	3	3
2022-05-28 10:00	0.61	0.91	1.72	2.16	1	3	3
2022-05-28 11:00	0.6	0.93	2.55	5.31	1	4	8
2022-05-28 12:00	0.55	0.77	1.39	2.27	1	2	4
2022-05-28 13:00	0.6	0.84	1.45	2.59	1	2	4
2022-05-28 14:00	0.64	0.97	2.03	3.37	2	3	5
2022-05-28 15:00	0.62	0.9	1.78	2.55	1	3	4
2022-05-28 16:00	0.58	0.86	1.77	3.16	1	3	5
2022-05-28 17:00	0.52	0.79	1.84	2.84	1	3	4
2022-05-28 18:00	0.53	0.82	1.67	2.3	1	3	4
2022-05-28 19:00	0.57	0.89	1.84	2.42	1	3	4
2022-05-28 20:00	0.59	0.95	2.03	2.6	1	3	4
2022-05-28 21:00	0.61	0.98	2.15	2.77	2	3	4
2022-05-28 22:00	0.63	1.03	2.24	2.63	2	4	4
2022-05-28 23:00	0.67	1.08	2.47	3	2	4	5
2022-05-29 00:00	0.7	1.15	2.56	2.8	2	4	4
2022-05-29 01:00	0.72	1.21	2.74	3.03	2	4	5
2022-05-29 02:00	0.74	1.28	2.86	3.25	2	4	5
2022-05-29 03:00	0.77	1.34	3.09	3.52	2	5	6
2022-05-29 04:00	0.78	1.35	2.93	3.27	2	5	5
2022-05-29 05:00	0.84	1.35	2.6	2.94	2	4	5
2022-05-29 06:00	0.89	1.39	2.41	2.56	2	4	4
2022-05-29 07:00	0.86	1.35	2.35	2.63	2	4	4
2022-05-29 08:00	0.79	1.24	2.19	2.43	2	3	4
2022-05-29 09:00	0.54	0.83	1.4	1.84	1	2	3
2022-05-29 10:00	0.73	1.06	1.83	2.46	2	3	4
2022-05-29 11:00	1	1.36	2.35	3.69	2	4	6
2022-05-29 12:00	0.99	1.4	2.19	2.52	2	3	4
2022-05-29 13:00	1.22	1.6	2.26	2.54	3	4	4
2022-05-29 14:00	1.83	2.26	2.96	3.68	4	5	6
2022-05-29 15:00	2.28	2.82	3.59	3.97	4	6	6
2022-05-29 16:00	2.6	3.56	4.85	5.28	6	8	8
2022-05-31 15:00	0.6	1.12	2.28	2.51	2	4	4
2022-05-31 16:00	0.45	0.86	1.8	1.85	1	3	3
2022-05-31 17:00	0.16	0.61	2.15	2.3	1	3	4
2022-05-31 18:00	0.15	0.5	2.57	2.95	1	4	5
2022-05-31 19:00	0.12	0.37	1.83	1.88	1	3	3
2022-05-31 20:00	0.09	0.26	1.31	1.36	0	2	2
2022-05-31 21:00	0.06	0.2	0.77	0.97	0	1	2
2022-05-31 22:00	0.07	0.21	0.72	0.91	0	1	1
2022-05-31 23:00	0.06	0.2	0.76	0.95	0	1	1
2022-06-01 00:00	0.05	0.19	0.71	0.81	0	1	1
2022-06-01 01:00	0.03	0.2	0.73	0.97	0	1	2
2022-06-01 02:00	0.07	0.22	0.72	0.76	0	1	1
2022-06-01 03:00	0.07	0.2	0.65	0.75	0	1	1
2022-06-01 04:00	0.08	0.24	0.77	0.82	0	1	1
2022-06-01 05:00	0.16	0.43	1.13	1.13	1	2	2
2022-06-01 06:00	0.19	0.47	1.19	1.52	1	2	2
2022-06-01 07:00	0.21	0.48	1.18	1.32	1	2	2
2022-06-01 08:00	0.24	0.5	1.18	1.42	1	2	2
2022-06-01 09:00	0.15	0.32	0.84	1.32	1	1	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-01 10:00	0.18	0.36	0.91	1.53	1	1	2
2022-06-01 11:00	0.17	0.34	1.05	1.58	1	2	2
2022-06-01 12:00	0.19	0.36	1.15	2.3	1	2	4
2022-06-01 13:00	0.21	0.39	1.31	2.56	1	2	4
2022-06-01 14:00	0.25	0.46	1.36	2.41	1	2	4
2022-06-01 15:00	0.28	0.5	1.37	2.6	1	2	4
2022-06-01 16:00	0.27	0.48	1.35	2.86	1	2	4
2022-06-01 17:00	0.27	0.51	1.37	2.42	1	2	4
2022-06-01 18:00	0.31	0.57	1.74	3.79	1	3	6
2022-06-01 19:00	0.17	0.35	1	1.91	1	2	3
2022-06-01 20:00	0.22	0.47	1.39	1.87	1	2	3
2022-06-01 21:00	0.32	0.61	1.75	2.75	1	3	4
2022-06-01 22:00	0.35	0.65	1.79	2.27	1	3	4
2022-06-01 23:00	0.38	0.76	2.16	2.98	1	3	5
2022-06-02 00:00	0.31	0.64	1.72	2.39	1	3	4
2022-06-02 01:00	0.18	0.39	1	1.17	1	2	2
2022-06-02 02:00	0.13	0.29	0.77	0.93	0	1	1
2022-06-02 03:00	0.14	0.38	1.14	1.33	1	2	2
2022-06-02 04:00	0.19	0.42	1.14	1.19	1	2	2
2022-06-02 05:00	0.2	0.42	1.13	1.22	1	2	2
2022-06-02 06:00	0.13	0.3	0.83	0.93	0	1	1
2022-06-02 07:00	0.12	0.26	0.76	0.86	0	1	1
2022-06-02 08:00	0.07	0.21	0.55	0.69	0	1	1
2022-06-02 09:00	0.06	0.19	0.48	0.54	0	1	1
2022-06-02 10:00	0.04	0.13	0.43	0.58	0	1	1
2022-06-02 11:00	0.02	0.08	0.35	0.49	0	1	1
2022-06-02 12:00	0.02	0.1	0.42	0.66	0	1	1
2022-06-02 13:00	0.02	0.08	0.39	0.87	0	1	1
2022-06-02 14:00	0.02	0.08	0.32	0.36	0	1	1
2022-06-02 15:00	0.03	0.1	0.44	0.59	0	1	1
2022-06-02 16:00	0.04	0.15	0.51	0.66	0	1	1
2022-06-02 17:00	0.03	0.12	0.49	0.68	0	1	1
2022-06-02 18:00	0.03	0.11	0.47	0.56	0	1	1
2022-06-02 19:00	0.03	0.12	0.38	0.43	0	1	1
2022-06-02 20:00	0.04	0.13	0.41	0.51	0	1	1
2022-06-02 21:00	0.04	0.15	0.48	0.53	0	1	1
2022-06-02 22:00	0.04	0.2	0.66	0.7	0	1	1
2022-06-02 23:00	0.04	0.2	0.76	0.95	0	1	1
2022-06-03 00:00	0.03	0.18	0.58	0.58	0	1	1
2022-06-03 01:00	0.03	0.17	0.57	0.57	0	1	1
2022-06-03 02:00	0.04	0.19	0.6	0.64	0	1	1
2022-06-03 03:00	0.04	0.17	0.51	0.51	0	1	1
2022-06-03 04:00	0.05	0.21	0.69	1.17	0	1	2
2022-06-03 05:00	0.05	0.22	0.62	0.72	0	1	1
2022-06-03 06:00	0.06	0.24	0.64	0.74	0	1	1
2022-06-03 07:00	0.05	0.2	0.57	0.67	0	1	1
2022-06-03 08:00	0.05	0.17	0.5	0.55	0	1	1
2022-06-03 09:00	0.05	0.16	0.49	0.49	0	1	1
2022-06-03 10:00	0.04	0.15	0.42	0.52	0	1	1
2022-06-03 11:00	0.03	0.12	0.47	0.71	0	1	1
2022-06-03 12:00	0.03	0.11	0.5	0.69	0	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-03 13:00	0.03	0.12	0.44	0.53	0	1	1
2022-06-03 14:00	0.03	0.11	0.49	0.63	0	1	1
2022-06-03 15:00	0.04	0.11	0.41	0.69	0	1	1
2022-06-03 16:00	0.03	0.12	0.45	0.64	0	1	1
2022-06-03 17:00	0.04	0.13	0.53	0.62	0	1	1
2022-06-03 18:00	0.14	0.26	0.64	0.88	0	1	1
2022-06-03 19:00	0.21	0.33	0.72	0.86	1	1	1
2022-06-03 20:00	0.2	0.37	0.87	0.97	1	1	2
2022-06-03 21:00	0.23	0.43	1.08	1.18	1	2	2
2022-06-03 22:00	0.36	0.62	1.42	1.57	1	2	2
2022-06-03 23:00	0.44	0.75	1.67	1.77	1	3	3
2022-06-04 00:00	0.47	0.79	1.72	1.91	1	3	3
2022-06-04 01:00	0.48	0.85	1.96	2.01	1	3	3
2022-06-04 02:00	0.48	0.83	1.87	1.92	1	3	3
2022-06-04 03:00	0.45	0.77	1.64	1.69	1	3	3
2022-06-04 04:00	0.43	0.69	1.41	1.41	1	2	2
2022-06-04 05:00	0.48	0.77	1.64	1.69	1	3	3
2022-06-04 06:00	0.38	0.65	1.41	1.55	1	2	2
2022-06-04 07:00	0.28	0.46	0.89	0.99	1	1	2
2022-06-04 08:00	0.2	0.34	0.71	0.81	1	1	1
2022-06-04 09:00	0.19	0.31	0.67	0.81	0	1	1
2022-06-04 10:00	0.17	0.29	0.6	0.61	0	1	1
2022-06-04 11:00	0.14	0.24	0.5	0.58	0	1	1
2022-06-04 12:00	0.13	0.23	0.5	0.59	0	1	1
2022-06-04 13:00	0.12	0.21	0.48	0.57	0	1	1
2022-06-04 14:00	0.1	0.18	0.41	0.65	0	1	1
2022-06-04 15:00	0.11	0.2	0.41	0.51	0	1	1
2022-06-04 16:00	0.11	0.2	0.43	0.53	0	1	1
2022-06-04 17:00	0.12	0.22	0.53	0.92	0	1	1
2022-06-04 18:00	0.14	0.25	0.69	0.88	0	1	1
2022-06-04 19:00	0.16	0.3	0.77	0.86	0	1	1
2022-06-04 20:00	0.12	0.27	0.81	0.91	0	1	1
2022-06-04 21:00	0.11	0.34	1.41	1.58	1	2	2
2022-06-04 22:00	0.11	0.38	1.65	1.96	1	3	3
2022-06-04 23:00	0.1	0.35	1.5	1.69	1	2	3
2022-06-05 00:00	0.13	0.43	1.98	2.07	1	3	3
2022-06-05 01:00	0.14	0.42	1.86	2.11	1	3	3
2022-06-05 02:00	0.1	0.4	1.92	2.15	1	3	3
2022-06-05 03:00	0.09	0.38	1.91	1.96	1	3	3
2022-06-05 04:00	0.09	0.36	1.73	1.88	1	3	3
2022-06-05 05:00	0.14	0.37	1.38	1.39	1	2	2
2022-06-05 06:00	0.15	0.37	1.12	1.29	1	2	2
2022-06-05 07:00	0.19	0.42	1.14	1.19	1	2	2
2022-06-05 08:00	0.14	0.35	1.1	1.34	1	2	2
2022-06-05 09:00	0.16	0.36	0.98	1.09	1	2	2
2022-06-05 10:00	0.17	0.37	0.86	0.86	1	1	1
2022-06-05 11:00	0.16	0.31	0.69	0.93	0	1	1
2022-06-05 12:00	0.17	0.32	0.8	0.9	1	1	1
2022-06-05 13:00	0.19	0.35	0.98	1.22	1	2	2
2022-06-05 14:00	0.22	0.37	1.06	1.34	1	2	2
2022-06-05 15:00	0.26	0.44	1.13	2.18	1	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-05 16:00	0.32	0.56	1.41	2.32	1	2	4
2022-06-05 17:00	0.28	0.53	1.28	1.95	1	2	3
2022-06-05 18:00	0.3	0.64	1.34	1.44	1	2	2
2022-06-05 19:00	0.29	0.66	1.61	1.71	1	3	3
2022-06-05 20:00	0.25	0.56	1.68	1.92	1	3	3
2022-06-05 21:00	0.23	0.57	2.17	2.37	1	3	4
2022-06-05 22:00	0.25	0.65	2.37	2.46	1	4	4
2022-06-05 23:00	0.22	0.57	2.22	2.27	1	3	4
2022-06-06 00:00	0.21	0.49	1.62	1.76	1	3	3
2022-06-06 01:00	0.19	0.51	1.79	2.03	1	3	3
2022-06-06 02:00	0.14	0.79	2.51	2.8	1	4	4
2022-06-06 03:00	0.14	1.52	4.99	5.09	2	8	8
2022-06-06 04:00	0.14	1.01	3.79	3.98	2	6	6
2022-06-06 05:00	0.18	0.86	3.18	3.47	1	5	5
2022-06-06 06:00	0.25	0.65	1.93	2.22	1	3	3
2022-06-06 07:00	0.28	0.56	1.52	1.85	1	2	3
2022-06-06 08:00	0.24	0.51	1.58	1.75	1	2	3
2022-06-06 09:00	0.32	0.55	1.45	1.86	1	2	3
2022-06-06 10:00	0.33	0.55	1.28	1.61	1	2	3
2022-06-06 11:00	0.43	0.68	1.46	2.01	1	2	3
2022-06-06 12:00	0.54	0.81	1.48	1.81	1	2	3
2022-06-06 13:00	0.66	0.96	1.75	2.06	2	3	3
2022-06-06 14:00	0.67	0.98	1.89	2.42	2	3	4
2022-06-06 15:00	0.68	0.98	1.75	2.23	2	3	4
2022-06-06 16:00	0.6	0.9	1.67	1.77	1	3	3
2022-06-06 17:00	0.61	0.9	1.81	2.38	1	3	4
2022-06-06 18:00	0.59	0.85	1.45	1.55	1	2	2
2022-06-06 19:00	0.58	0.98	2.77	3.15	2	4	5
2022-06-06 20:00	0.59	0.98	2.39	2.72	2	4	4
2022-06-06 21:00	0.54	0.97	3.15	3.63	2	5	6
2022-06-06 22:00	0.57	1.14	3.76	4.26	2	6	7
2022-06-06 23:00	0.62	1.45	5.06	5.18	2	8	8
2022-06-07 00:00	0.62	1.35	4.35	4.54	2	7	7
2022-06-07 01:00	0.65	1.34	4.34	4.53	2	7	7
2022-06-07 02:00	0.67	1.32	4.37	4.52	2	7	7
2022-06-07 03:00	0.71	1.44	5.19	5.43	2	8	9
2022-06-07 04:00	0.7	1.39	4.98	5.15	2	8	8
2022-06-07 05:00	0.78	1.43	4.67	4.93	2	7	8
2022-06-07 06:00	0.74	1.33	3.6	3.94	2	6	6
2022-06-07 07:00	0.77	1.2	2.31	2.45	2	4	4
2022-06-07 08:00	0.73	1.12	2.02	2.41	2	3	4
2022-06-07 09:00	0.72	1.03	1.75	1.99	2	3	3
2022-06-07 10:00	0.75	1.05	1.79	2.12	2	3	3
2022-06-07 11:00	0.77	1.05	1.63	1.97	2	3	3
2022-06-07 12:00	0.81	1.11	1.83	2.41	2	3	4
2022-06-07 13:00	0.8	1.09	1.84	2.36	2	3	4
2022-06-07 14:00	0.65	0.88	1.37	1.46	1	2	2
2022-06-07 15:00	0.77	1.06	1.87	2.78	2	3	4
2022-06-07 16:00	0.71	0.99	1.65	1.99	2	3	3
2022-06-07 17:00	0.7	1.04	2.52	4.34	2	4	7
2022-06-07 18:00	0.74	1.08	2.04	2.33	2	3	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-07 19:00	0.73	1.09	2.35	2.87	2	4	5
2022-06-07 20:00	0.56	0.86	1.82	2.01	1	3	3
2022-06-07 21:00	0.52	0.83	1.94	2.5	1	3	4
2022-06-07 22:00	0.5	0.98	3.37	3.99	2	5	6
2022-06-07 23:00	0.62	1.17	3.16	3.32	2	5	5
2022-06-08 00:00	0.62	1.11	3.28	3.52	2	5	6
2022-06-08 01:00	0.59	1.1	3.49	3.73	2	5	6
2022-06-08 02:00	0.6	1.16	3.89	4.04	2	6	6
2022-06-08 03:00	0.61	1.08	3.33	3.62	2	5	6
2022-06-08 04:00	0.58	1.08	3.85	4.24	2	6	7
2022-06-08 05:00	0.63	1.17	3.23	3.47	2	5	5
2022-06-08 06:00	0.66	1.11	2.25	2.3	2	4	4
2022-06-08 07:00	0.8	1.19	2.17	2.25	2	3	4
2022-06-08 08:00	0.81	1.13	1.96	2.12	2	3	3
2022-06-08 09:00	0.77	1.13	3.35	8.14	2	5	13
2022-06-08 10:00	0.66	1.06	2.61	3.23	2	4	5
2022-06-08 11:00	0.58	0.88	1.59	1.69	1	3	3
2022-06-08 12:00	0.75	1.22	2.73	2.97	2	4	5
2022-06-08 13:00	0.69	0.97	1.73	2.26	2	3	4
2022-06-08 14:00	0.78	1.12	1.83	1.97	2	3	3
2022-06-08 15:00	0.8	1.13	1.75	2.09	2	3	3
2022-06-08 16:00	0.74	1.08	2.13	2.7	2	3	4
2022-06-08 17:00	0.98	2.14	4.72	5.25	3	7	8
2022-06-08 18:00	0.74	1.19	2.78	2.97	2	4	5
2022-06-08 19:00	0.68	1.18	3.36	3.41	2	5	5
2022-06-08 20:00	0.59	1.33	4.26	4.36	2	7	7
2022-06-08 21:00	0.57	1.62	5.3	5.54	3	8	9
2022-06-08 22:00	0.63	2.31	6.66	6.86	4	10	11
2022-06-08 23:00	0.62	1.96	5.76	5.86	3	9	9
2022-06-09 00:00	0.57	2.07	6.59	6.67	3	10	10
2022-06-09 01:00	0.55	1.76	5.66	5.77	3	9	9
2022-06-09 02:00	0.58	1.55	5.09	5.09	2	8	8
2022-06-09 03:00	0.6	1.44	4.54	4.73	2	7	7
2022-06-09 04:00	0.67	1.48	4.25	4.35	2	7	7
2022-06-09 05:00	0.71	1.74	4.94	5.04	3	8	8
2022-06-09 06:00	0.78	1.35	2.77	3.25	2	4	5
2022-06-09 07:00	0.81	1.24	2.25	2.44	2	4	4
2022-06-09 08:00	0.9	1.31	2.19	2.34	2	3	4
2022-06-09 09:00	1	1.4	2.21	2.4	2	3	4
2022-06-09 10:00	1.06	1.47	2.36	2.65	2	4	4
2022-06-09 11:00	1.05	1.42	2.17	2.41	2	3	4
2022-06-09 12:00	1.01	1.36	2.01	2.58	2	3	4
2022-06-09 13:00	0.8	1.1	1.64	2.07	2	3	3
2022-06-09 14:00	0.83	1.16	1.89	2.51	2	3	4
2022-06-09 15:00	0.74	1.05	1.83	2.84	2	3	4
2022-06-09 16:00	0.8	1.11	1.85	2.33	2	3	4
2022-06-09 17:00	0.87	1.21	1.99	2.84	2	3	4
2022-06-09 18:00	0.97	1.33	2.19	3.02	2	3	5
2022-06-09 19:00	1.1	1.47	2.21	3.06	2	3	5
2022-06-09 20:00	0.82	1.16	1.91	2.54	2	3	4
2022-06-09 21:00	0.61	1.02	2.41	2.79	2	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-09 22:00	0.57	1.19	3.63	3.78	2	6	6
2022-06-09 23:00	0.65	1.4	4.49	4.73	2	7	7
2022-06-10 00:00	0.74	1.58	4.76	5.19	2	7	8
2022-06-10 01:00	1.04	1.87	4.97	5.5	3	8	9
2022-06-10 02:00	0.96	1.67	4.13	4.28	3	6	7
2022-06-10 03:00	0.71	1.19	2.82	3.02	2	4	5
2022-06-10 04:00	0.71	1.16	2.79	3.08	2	4	5
2022-06-10 05:00	0.78	1.16	2.28	2.37	2	4	4
2022-06-10 06:00	0.79	1.11	1.85	2.04	2	3	3
2022-06-10 07:00	0.73	1.02	1.67	1.82	2	3	3
2022-06-10 08:00	0.67	0.93	1.48	1.91	1	2	3
2022-06-10 09:00	0.7	0.97	1.6	1.99	2	3	3
2022-06-10 10:00	0.68	0.97	2.49	4.89	2	4	8
2022-06-10 11:00	0.62	0.9	2.18	4.96	1	3	8
2022-06-10 12:00	0.56	0.77	1.55	2.65	1	2	4
2022-06-10 13:00	0.53	0.73	1.44	2.26	1	2	4
2022-06-10 14:00	0.52	0.7	1.4	2.26	1	2	4
2022-06-10 15:00	0.83	1.07	2.78	6.56	2	4	10
2022-06-10 16:00	1.02	1.3	3.47	7.49	2	5	12
2022-06-10 17:00	0.95	1.15	1.88	2.6	2	3	4
2022-06-10 18:00	1.07	1.29	1.9	2.81	2	3	4
2022-06-10 19:00	0.99	1.26	2.86	5.73	2	4	9
2022-06-10 20:00	0.78	1.02	1.79	2.56	2	3	4
2022-06-10 21:00	0.72	1.01	2.15	3.25	2	3	5
2022-06-10 22:00	0.7	0.95	1.8	2.9	1	3	5
2022-06-10 23:00	0.52	0.73	1.29	1.72	1	2	3
2022-06-11 00:00	0.32	0.51	1.11	1.25	1	2	2
2022-06-11 01:00	0.24	0.39	0.82	0.97	1	1	2
2022-06-11 02:00	0.18	0.3	0.62	0.66	0	1	1
2022-06-11 03:00	0.15	0.26	0.58	0.58	0	1	1
2022-06-11 04:00	0.11	0.24	0.54	0.63	0	1	1
2022-06-11 05:00	0.08	0.18	0.51	0.51	0	1	1
2022-06-11 06:00	0.07	0.16	0.44	0.54	0	1	1
2022-06-11 07:00	0.07	0.15	0.52	0.76	0	1	1
2022-06-11 08:00	0.1	0.3	3.09	8.21	0	5	13
2022-06-11 09:00	0.1	0.22	0.71	1.14	0	1	2
2022-06-11 10:00	0.08	0.19	1.17	2.27	0	2	4
2022-06-11 11:00	0.07	0.14	0.57	1.48	0	1	2
2022-06-11 12:00	0.12	0.18	0.68	1.83	0	1	3
2022-06-11 13:00	0.23	0.34	1.01	2.97	1	2	5
2022-06-11 14:00	0.45	0.69	3.26	8.63	1	5	14
2022-06-11 15:00	0.66	0.84	2.34	5.59	1	4	9
2022-06-11 16:00	0.76	0.92	1.54	3.17	1	2	5
2022-06-11 17:00	0.81	0.95	1.2	1.58	1	2	2
2022-06-11 18:00	0.88	1.05	1.36	1.59	2	2	3
2022-06-11 19:00	0.94	1.12	1.44	1.58	2	2	2
2022-06-11 20:00	0.95	1.18	1.98	2.5	2	3	4
2022-06-11 21:00	0.96	1.25	2.68	3.21	2	4	5
2022-06-11 22:00	1.04	1.38	3.01	3.25	2	5	5
2022-06-11 23:00	1.22	1.68	3.67	3.81	3	6	6
2022-06-12 00:00	1.32	1.93	5.02	5.27	3	8	8

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-12 01:00	1.27	1.78	4.1	4.48	3	6	7
2022-06-12 02:00	1.5	2.03	4.55	4.7	3	7	7
2022-06-12 03:00	1.49	2.04	4.57	4.71	3	7	7
2022-06-12 04:00	1.48	2	4.55	4.74	3	7	7
2022-06-12 05:00	1.56	2.01	3.9	4.09	3	6	6
2022-06-12 06:00	1.39	1.75	3.07	3.21	3	5	5
2022-06-12 07:00	1.13	1.36	2.1	2.68	2	3	4
2022-06-12 08:00	0.97	1.19	1.86	2.29	2	3	4
2022-06-12 09:00	1.07	1.29	1.76	2.1	2	3	3
2022-06-12 10:00	1.25	1.49	1.91	2.24	2	3	4
2022-06-12 11:00	1.23	1.46	1.84	1.99	2	3	3
2022-06-12 12:00	1.21	1.42	1.76	1.99	2	3	3
2022-06-12 13:00	1.18	1.38	1.77	2.01	2	3	3
2022-06-12 14:00	1.18	1.38	1.75	2.09	2	3	3
2022-06-12 15:00	1.18	1.39	1.82	2.21	2	3	3
2022-06-12 16:00	1.12	1.31	1.82	2.14	2	3	3
2022-06-12 17:00	1.09	1.28	1.86	2.34	2	3	4
2022-06-12 18:00	1.11	1.33	2.21	2.64	2	3	4
2022-06-12 19:00	1.17	1.41	2.51	2.94	2	4	5
2022-06-12 20:00	1.24	1.63	3.9	4.43	3	6	7
2022-06-12 21:00	1.32	1.76	4.38	5.34	3	7	8
2022-06-12 22:00	1.31	1.8	4.86	5.38	3	8	8
2022-06-12 23:00	1.26	1.64	3.33	4	3	5	6
2022-06-13 00:00	1.13	1.41	2.24	2.68	2	4	4
2022-06-13 01:00	1.44	1.73	2.64	3.44	3	4	5
2022-06-13 02:00	1.79	2.1	2.96	3.16	3	5	5
2022-06-13 03:00	2.05	2.36	3.07	3.16	4	5	5
2022-06-13 04:00	2.08	2.41	3.17	3.36	4	5	5
2022-06-13 05:00	1.77	2.08	2.77	2.93	3	4	5
2022-06-13 06:00	1.28	1.55	2.23	2.51	2	4	4
2022-06-13 07:00	1.24	1.51	2.24	2.68	2	4	4
2022-06-13 08:00	1.26	1.54	2.33	2.8	2	4	4
2022-06-13 09:00	1.28	1.61	2.58	3.85	3	4	6
2022-06-13 10:00	1.42	1.82	3.17	4.24	3	5	7
2022-06-13 11:00	1.64	2.17	4.24	5.9	3	7	9
2022-06-13 12:00	2.16	2.95	6.31	8.66	5	10	14
2022-06-13 13:00	2.39	3.02	5.26	6.89	5	8	11
2022-06-13 14:00	3.25	4.19	7.18	8.42	7	11	13
2022-06-13 15:00	3.04	3.86	6.36	7.17	6	10	11
2022-06-13 16:00	2.59	3.21	4.87	5.83	5	8	9
2022-06-13 17:00	2.59	3.22	4.91	6.42	5	8	10
2022-06-13 18:00	2.96	3.77	5.56	6.78	6	9	11
2022-06-13 19:00	2.89	3.67	5.03	5.56	6	8	9
2022-06-13 20:00	2.55	3.42	5.09	6.06	5	8	10
2022-06-13 21:00	2.14	2.83	4.31	4.83	4	7	8
2022-06-13 22:00	1.73	2.28	3.69	3.97	4	6	6
2022-06-13 23:00	1.43	2.07	3.45	4.04	3	5	6
2022-06-14 00:00	1.31	1.91	3.38	3.66	3	5	6
2022-06-14 01:00	1.22	1.67	3.09	3.19	3	5	5
2022-06-14 02:00	1.03	1.41	2.71	3.04	2	4	5
2022-06-14 03:00	1.02	1.38	2.58	2.77	2	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-14 04:00	1.2	1.64	2.99	3.52	3	5	6
2022-06-14 05:00	1.48	2.05	3.79	3.83	3	6	6
2022-06-14 06:00	2.15	3.22	5.93	6.22	5	9	10
2022-06-14 07:00	1.96	2.69	4.69	4.88	4	7	8
2022-06-14 08:00	1.83	2.36	3.47	3.78	4	5	6
2022-06-14 09:00	2.24	2.8	3.9	4.29	4	6	7
2022-06-14 10:00	2.68	3.26	4.44	5.59	5	7	9
2022-06-14 11:00	3.05	3.69	5.25	6.59	6	8	10
2022-06-14 12:00	4.18	5.52	9.09	10.05	9	14	16
2022-06-14 13:00	3.4	4.49	6.98	7.42	7	11	12
2022-06-14 14:00	2.33	3.26	4.89	5.32	5	8	8
2022-06-14 15:00	1.64	2.44	4	4.38	4	6	7
2022-06-14 16:00	1.51	2.27	3.72	4.33	4	6	7
2022-06-14 17:00	1.39	2.18	3.7	4.04	3	6	6
2022-06-14 18:00	1.94	2.89	4.85	5.81	5	8	9
2022-06-14 19:00	1.8	2.73	5.12	6.94	4	8	11
2022-06-14 20:00	1.77	2.79	5.37	6.76	4	8	11
2022-06-14 21:00	2.36	4.1	9.46	11.99	6	15	19
2022-06-14 22:00	2.55	4.39	9.57	12.94	7	15	20
2022-06-14 23:00	2.41	4.1	7.94	8.65	6	12	14
2022-06-15 00:00	2.42	4.18	8.53	9.31	7	13	15
2022-06-15 01:00	3.2	5.73	12.35	13.98	9	19	22
2022-06-15 02:00	3.97	6.78	13.38	14.1	11	21	22
2022-06-15 03:00	3.84	6.13	11.49	11.95	10	18	19
2022-06-15 04:00	3.04	4.75	9.13	9.29	7	14	15
2022-06-15 05:00	2.26	4.03	9.06	9.25	6	14	15
2022-06-15 06:00	1.11	2.4	5.67	6	4	9	9
2022-06-15 07:00	0.63	1.83	5.07	5.35	3	8	8
2022-06-15 08:00	0.53	1.62	4.76	5.49	3	7	9
2022-06-15 09:00	0.43	1.34	4.26	4.78	2	7	8
2022-06-15 10:00	0.44	1.33	4.31	5.4	2	7	8
2022-06-15 11:00	0.39	1.14	3.77	5.17	2	6	8
2022-06-15 12:00	0.33	0.95	3.28	4.85	1	5	8
2022-06-15 13:00	0.38	0.9	2.84	4.37	1	4	7
2022-06-15 14:00	0.65	1.16	2.99	4.94	2	5	8
2022-06-15 15:00	1.04	1.66	3.74	6.34	3	6	10
2022-06-15 16:00	1.22	1.9	4.21	6.21	3	7	10
2022-06-15 17:00	1.11	1.88	4.54	7.04	3	7	11
2022-06-15 18:00	1.36	2.08	4.44	7.27	3	7	11
2022-06-15 19:00	1.45	1.99	3.52	5	3	6	8
2022-06-15 20:00	1.4	2.15	4.17	4.66	3	7	7
2022-06-15 21:00	1.48	2.46	4.53	4.77	4	7	8
2022-06-15 22:00	1.59	2.6	5.04	5.19	4	8	8
2022-06-15 23:00	1.61	2.62	5.01	5.25	4	8	8
2022-06-16 00:00	1.68	2.77	5.54	5.87	4	9	9
2022-06-16 01:00	1.77	2.93	6.12	6.51	5	10	10
2022-06-16 02:00	1.79	3.02	6.39	6.73	5	10	11
2022-06-16 03:00	1.82	3.11	7.06	7.49	5	11	12
2022-06-16 04:00	1.86	3.17	6.81	6.91	5	11	11
2022-06-16 05:00	1.95	3.26	6.84	6.89	5	11	11
2022-06-16 06:00	2.1	3.38	6.62	6.72	5	10	11

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-16 07:00	2.23	3.5	6.49	6.54	6	10	10
2022-06-16 08:00	2.13	3.51	7.33	8.03	6	12	13
2022-06-16 09:00	1.61	2.83	5.79	6.03	4	9	9
2022-06-16 10:00	1.86	3	7.03	7.56	5	11	12
2022-06-16 11:00	1.97	3.11	6.22	6.65	5	10	10
2022-06-16 12:00	2.05	3.23	6.54	7.12	5	10	11
2022-06-16 13:00	1.68	2.61	5.94	6.61	4	9	10
2022-06-16 14:00	1.33	2.12	4.11	4.4	3	6	7
2022-06-16 15:00	1.02	1.61	3.3	4.06	3	5	6
2022-06-16 16:00	1.03	1.55	3.14	4.14	2	5	7
2022-06-16 17:00	1.44	2.07	3.81	5.25	3	6	8
2022-06-16 18:00	1.6	2.45	5.67	7.1	4	9	11
2022-06-16 19:00	1.65	2.88	6.87	7.12	5	11	11
2022-06-16 20:00	1.25	1.97	3.97	4.11	3	6	6
2022-06-16 21:00	1.43	2.26	4.69	4.98	4	7	8
2022-06-16 22:00	1.58	2.3	4.62	5.15	4	7	8
2022-06-16 23:00	0.55	1.11	3.21	3.68	2	5	6
2022-06-17 00:00	0.18	0.68	2.77	4.07	1	4	6
2022-06-17 01:00	0.07	0.45	1.99	2.51	1	3	4
2022-06-17 02:00	0.21	0.64	2.06	2.44	1	3	4
2022-06-17 03:00	0.26	0.58	1.65	2.08	1	3	3
2022-06-17 04:00	0.34	0.69	1.79	1.89	1	3	3
2022-06-17 05:00	0.36	0.7	1.69	1.93	1	3	3
2022-06-17 06:00	0.44	0.78	1.61	2	1	3	3
2022-06-17 07:00	0.49	0.88	1.72	1.96	1	3	3
2022-06-17 08:00	0.51	0.92	1.69	1.84	1	3	3
2022-06-17 09:00	0.54	0.99	1.78	2.26	2	3	4
2022-06-17 10:00	0.6	1.02	1.71	1.95	2	3	3
2022-06-17 11:00	0.58	0.96	1.56	1.84	2	2	3
2022-06-17 12:00	0.62	0.96	1.56	1.9	2	2	3
2022-06-17 13:00	0.69	1	1.61	1.95	2	3	3
2022-06-17 14:00	0.75	1.05	1.56	1.8	2	2	3
2022-06-17 15:00	0.78	1.06	1.57	2.05	2	2	3
2022-06-17 16:00	0.79	1.07	1.63	2.54	2	3	4
2022-06-17 17:00	0.9	1.19	1.66	1.8	2	3	3
2022-06-17 18:00	1.13	1.45	2.23	3.09	2	4	5
2022-06-17 19:00	0.91	1.23	1.88	2.21	2	3	3
2022-06-17 20:00	0.94	1.37	2.49	2.83	2	4	4
2022-06-17 21:00	1.38	2.01	3.55	3.79	3	6	6
2022-06-17 22:00	1.08	1.77	3.71	3.81	3	6	6
2022-06-17 23:00	1	1.63	3.28	3.33	3	5	5
2022-06-18 00:00	1.97	2.92	4.21	4.35	5	7	7
2022-06-18 01:00	1.43	2.32	4.38	4.48	4	7	7
2022-06-18 02:00	0.98	1.72	4.05	4.2	3	6	7
2022-06-18 03:00	0.97	1.6	3.37	3.56	3	5	6
2022-06-18 04:00	0.98	1.49	2.64	2.83	2	4	4
2022-06-18 05:00	0.97	1.45	2.49	2.64	2	4	4
2022-06-18 06:00	0.96	1.38	2.23	2.47	2	4	4
2022-06-18 07:00	0.95	1.37	2.26	2.59	2	4	4
2022-06-18 08:00	0.99	1.41	2.31	2.75	2	4	4
2022-06-18 09:00	1.01	1.4	2.28	2.66	2	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-18 10:00	1.13	1.5	2.41	3.04	2	4	5
2022-06-18 11:00	1.2	1.55	2.47	3.09	2	4	5
2022-06-18 12:00	1.26	1.61	2.57	3.34	3	4	5
2022-06-18 13:00	1.25	1.6	2.6	3.08	3	4	5
2022-06-18 14:00	1.17	1.53	2.59	3.26	2	4	5
2022-06-18 15:00	1.21	1.58	2.71	3.38	2	4	5
2022-06-18 16:00	1.18	1.55	2.65	3.42	2	4	5
2022-06-18 17:00	1.2	1.57	2.69	3.27	2	4	5
2022-06-18 18:00	1.24	1.64	2.93	3.56	3	5	6
2022-06-18 19:00	1.3	1.71	3.14	4.05	3	5	6
2022-06-18 20:00	1.37	1.83	3.54	4.26	3	6	7
2022-06-18 21:00	1.41	1.85	3.26	4.37	3	5	7
2022-06-18 22:00	1.39	1.83	3.17	3.55	3	5	6
2022-06-18 23:00	1.35	1.8	3.42	4.24	3	5	7
2022-06-19 00:00	1.39	1.83	3.34	4.06	3	5	6
2022-06-19 01:00	1.4	1.83	3.34	4.21	3	5	7
2022-06-19 02:00	1.4	1.82	3.3	4.12	3	5	6
2022-06-19 03:00	1.57	2.3	4.44	5.6	4	7	9
2022-06-19 04:00	1.49	2.2	3.87	4.38	3	6	7
2022-06-19 05:00	1.57	2.39	4.09	4.33	4	6	7
2022-06-19 06:00	1.47	2.16	3.66	4.03	3	6	6
2022-06-19 07:00	1.41	2.07	3.68	4.12	3	6	6
2022-06-19 08:00	1.45	2.13	3.94	5.32	3	6	8
2022-06-19 09:00	1.56	2.35	4.47	6.23	4	7	10
2022-06-19 10:00	1.81	3.06	6.32	7.9	5	10	12
2022-06-19 11:00	2.23	4.28	9.12	11.68	7	14	18
2022-06-19 12:00	2.8	5.93	12.1	14.49	9	19	23
2022-06-19 13:00	3	6.33	12.65	15.75	10	20	25
2022-06-19 14:00	3.26	6.96	13.7	16.57	11	22	26
2022-06-19 15:00	3.73	8.26	16.15	19.17	13	25	30
2022-06-19 16:00	4.45	10.46	19.89	23.51	16	31	37
2022-06-19 17:00	5.11	12.36	23.09	26.12	19	36	41
2022-06-19 18:00	5.13	12.14	22.32	25.2	19	35	40
2022-06-19 19:00	5.2	12.3	22.49	25.6	19	35	40
2022-06-19 20:00	5.36	12.44	22.36	25.9	20	35	41
2022-06-19 21:00	5.4	12.48	22.93	25.57	20	36	40
2022-06-19 22:00	5.31	11.82	21.55	23.79	19	34	37
2022-06-19 23:00	5.2	11.03	19.81	22.88	17	31	36
2022-06-20 00:00	5.24	10.62	18.21	19.99	17	29	31
2022-06-20 01:00	5.26	10.32	17.84	18.72	16	28	29
2022-06-20 02:00	5.37	10.32	17.83	19.36	16	28	30
2022-06-20 03:00	5.44	10.31	17.73	18.92	16	28	30
2022-06-20 04:00	5.72	10.72	18.52	20.18	17	29	32
2022-06-20 05:00	5.65	10.52	17.68	19.16	17	28	30
2022-06-20 06:00	4.83	8.95	14.88	16.25	14	23	26
2022-06-20 07:00	4.22	7.69	12.9	14.38	12	20	23
2022-06-20 08:00	3.97	7.22	12.49	13.86	11	20	22
2022-06-20 09:00	4.57	8.21	13.85	15.86	13	22	25
2022-06-20 10:00	5.15	9.29	16.11	18.25	15	25	29
2022-06-20 11:00	5.84	11.73	22.18	27.04	18	35	43
2022-06-20 12:00	5.9	12.55	23.72	28.57	20	37	45

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-20 13:00	5.67	12.36	23.21	27.11	19	37	43
2022-06-20 14:00	5.04	10.87	19.25	21.58	17	30	34
2022-06-20 15:00	4.16	8.71	14.67	16.48	14	23	26
2022-06-20 16:00	3.78	7.69	12.56	14.45	12	20	23
2022-06-20 17:00	2.92	5.69	9.31	10.41	9	15	16
2022-06-20 18:00	2.95	5.64	9.41	11.31	9	15	18
2022-06-20 19:00	2.98	5.67	9.6	11.08	9	15	17
2022-06-20 20:00	2.89	5.73	9.85	10.95	9	15	17
2022-06-20 21:00	2.6	5.59	10.74	12.32	9	17	19
2022-06-20 22:00	2.78	5.77	9.94	10.9	9	16	17
2022-06-20 23:00	3.21	6.28	10.8	11.42	10	17	18
2022-06-21 00:00	3.18	6.11	10.99	11.28	10	17	18
2022-06-21 01:00	3.66	6.66	11.57	11.96	10	18	19
2022-06-21 02:00	4.32	7.63	12.96	13.9	12	20	22
2022-06-21 03:00	5.02	8.43	13.57	14	13	21	22
2022-06-21 04:00	5.12	8.24	13.09	13.47	13	21	21
2022-06-21 05:00	5.89	9.23	14.76	15.29	15	23	24
2022-06-21 06:00	6.69	9.55	13.75	14.11	15	22	22
2022-06-21 07:00	6.79	9.42	13.55	13.92	15	21	22
2022-06-21 08:00	5.45	7.62	11.13	11.41	12	18	18
2022-06-21 09:00	4.33	6.06	8.76	9.24	10	14	15
2022-06-21 10:00	3.39	4.78	6.95	7.44	8	11	12
2022-06-21 11:00	2.99	4.4	6.68	7.49	7	11	12
2022-06-21 12:00	3.23	4.73	7.27	7.92	7	11	12
2022-06-21 13:00	3.04	4.43	6.7	7.18	7	11	11
2022-06-21 14:00	2.68	4.33	7.75	10	7	12	16
2022-06-21 15:00	1.51	2.38	4.46	4.75	4	7	7
2022-06-21 16:00	1.16	1.99	4.85	5.43	3	8	9
2022-06-21 17:00	1.08	1.89	4.24	4.57	3	7	7
2022-06-21 18:00	0.72	1.54	3.63	3.94	2	6	6
2022-06-21 19:00	0.29	0.78	5.17	6.03	1	8	9
2022-06-21 20:00	0.24	0.56	2.56	2.74	1	4	4
2022-06-21 21:00	0.21	0.5	2.25	2.49	1	4	4
2022-06-21 22:00	0.14	0.38	1.61	1.85	1	3	3
2022-06-21 23:00	0.17	0.46	1.63	1.97	1	3	3
2022-06-22 00:00	0.41	0.79	2.03	2.27	1	3	4
2022-06-22 01:00	0.62	1.01	2.39	2.72	2	4	4
2022-06-22 02:00	0.73	1.19	2.59	2.74	2	4	4
2022-06-22 03:00	0.77	1.23	2.71	2.81	2	4	4
2022-06-22 04:00	0.82	1.35	3.32	3.46	2	5	5
2022-06-22 05:00	0.93	1.5	3.57	3.81	2	6	6
2022-06-22 06:00	1.08	1.69	3.61	4.04	3	6	6
2022-06-22 07:00	1.25	1.84	3.54	4.02	3	6	6
2022-06-22 08:00	1.46	2.06	3.82	4.02	3	6	6
2022-06-22 09:00	1.8	2.38	4.06	4.68	4	6	7
2022-06-22 10:00	2.18	2.73	4.36	4.98	4	7	8
2022-06-22 11:00	2.55	3.02	4.43	5.23	5	7	8
2022-06-22 12:00	2.97	3.36	4.55	5.32	5	7	8
2022-06-22 13:00	3.53	3.89	4.89	5.51	6	8	9
2022-06-22 14:00	3.77	4.13	5.1	5.64	6	8	9
2022-06-22 15:00	3.52	3.88	4.88	5.48	6	8	9

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-22 16:00	3.4	3.78	5.03	5.65	6	8	9
2022-06-22 17:00	3.1	3.46	4.61	5.47	5	7	9
2022-06-22 18:00	2.74	3.11	4.32	5.01	5	7	8
2022-06-22 19:00	2.52	2.9	4.18	5.16	5	7	8
2022-06-22 20:00	2.43	2.96	4.63	5.11	5	7	8
2022-06-22 21:00	2.35	3.12	5.5	5.84	5	9	9
2022-06-22 22:00	2.32	3.25	6.19	6.71	5	10	11
2022-06-22 23:00	2.33	2.84	4.51	5.23	4	7	8
2022-06-23 00:00	2.2	2.92	5.19	5.42	5	8	9
2022-06-23 01:00	2.15	2.9	5.11	5.28	5	8	8
2022-06-23 02:00	1.63	2.25	3.9	4.5	4	6	7
2022-06-23 03:00	1.39	2.06	3.45	3.64	3	5	6
2022-06-23 04:00	1.12	1.77	3.07	3.22	3	5	5
2022-06-23 05:00	0.98	1.59	2.98	3.32	3	5	5
2022-06-23 06:00	0.89	1.36	2.35	2.54	2	4	4
2022-06-23 07:00	0.77	1.17	2.3	2.4	2	4	4
2022-06-23 08:00	1.03	1.61	3.37	3.47	3	5	5
2022-06-23 09:00	1.58	2.32	4.18	4.56	4	7	7
2022-06-23 10:00	1.46	2.15	4.16	4.83	3	7	8
2022-06-23 11:00	1.28	1.91	3.72	4.39	3	6	7
2022-06-23 12:00	1.2	1.8	3.47	3.75	3	5	6
2022-06-23 13:00	1.13	1.77	3.51	3.85	3	6	6
2022-06-23 14:00	0.9	1.39	2.89	3.22	2	5	5
2022-06-23 15:00	0.93	1.46	3.08	3.51	2	5	6
2022-06-23 16:00	0.97	1.5	3.05	3.53	2	5	6
2022-06-23 17:00	0.99	1.54	3.22	3.78	2	5	6
2022-06-23 18:00	1.48	1.99	3.43	4.02	3	5	6
2022-06-23 19:00	2.12	2.65	4.14	4.62	4	7	7
2022-06-23 20:00	3.01	3.57	5.2	5.87	6	8	9
2022-06-23 21:00	2.36	2.92	4.73	5.06	5	7	8
2022-06-23 22:00	2.08	2.63	4.4	4.73	4	7	7
2022-06-23 23:00	1.76	2.25	3.89	4.18	4	6	7
2022-06-24 00:00	1.23	1.59	3.02	3.59	3	5	6
2022-06-24 01:00	1.77	2.16	3.5	3.88	3	6	6
2022-06-24 02:00	2.1	2.54	3.76	4.05	4	6	6
2022-06-24 03:00	2.15	2.62	3.93	4.45	4	6	7
2022-06-24 04:00	1.94	2.4	3.64	3.83	4	6	6
2022-06-24 05:00	1.85	2.28	3.31	3.6	4	5	6
2022-06-24 06:00	1.77	2.14	2.94	3.27	3	5	5
2022-06-24 07:00	1.78	2.1	2.87	3.16	3	5	5
2022-06-24 08:00	1.91	2.22	2.98	3.23	3	5	5
2022-06-24 09:00	2.01	2.33	2.97	3.45	4	5	5
2022-06-24 10:00	1.95	2.23	2.87	3.26	4	5	5
2022-06-24 11:00	1.95	2.21	2.85	3.04	3	4	5
2022-06-24 12:00	2	2.26	2.86	3.04	4	4	5
2022-06-24 13:00	2.03	2.3	2.96	3.31	4	5	5
2022-06-24 14:00	1.93	2.21	3.09	3.5	3	5	6
2022-06-24 15:00	1.74	1.96	2.63	3.27	3	4	5
2022-06-24 16:00	2.02	2.26	3.06	3.82	4	5	6
2022-06-24 17:00	2.1	2.37	3.12	3.41	4	5	5
2022-06-24 18:00	2.12	2.38	3.08	3.46	4	5	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-24 19:00	2.26	2.53	3.19	3.48	4	5	5
2022-06-24 20:00	3.16	3.47	4.24	4.38	5	7	7
2022-06-24 21:00	2.43	2.73	3.52	3.67	4	6	6
2022-06-24 22:00	2.24	2.53	3.31	3.36	4	5	5
2022-06-24 23:00	2.27	2.68	3.78	4.21	4	6	7
2022-06-25 00:00	2.3	2.76	4.11	4.4	4	6	7
2022-06-25 01:00	2.31	2.7	3.65	3.78	4	6	6
2022-06-25 02:00	2.62	3.42	4.85	5.35	5	8	8
2022-06-25 03:00	3.02	4.15	6.13	6.23	7	10	10
2022-06-25 04:00	3.31	4.42	6.42	6.52	7	10	10
2022-06-25 05:00	3.05	3.92	5.77	6.06	6	9	10
2022-06-25 06:00	2.49	3.1	4.36	4.6	5	7	7
2022-06-25 07:00	2.56	3.17	4.6	4.74	5	7	7
2022-06-25 08:00	2.56	3.25	5.01	5.25	5	8	8
2022-06-25 09:00	2.08	2.65	4.29	4.53	4	7	7
2022-06-25 10:00	0.99	1.27	2.3	2.35	2	4	4
2022-06-25 11:00	0.95	1.3	2.67	2.76	2	4	4
2022-06-25 12:00	1.25	1.69	3.34	3.53	3	5	6
2022-06-25 13:00	1.4	1.91	3.74	3.93	3	6	6
2022-06-25 14:00	1.41	2.04	4.24	4.86	3	7	8
2022-06-25 15:00	1.72	2.51	5.36	5.68	4	8	9
2022-06-25 16:00	1.33	2.13	5.6	6.52	3	9	10
2022-06-25 17:00	0.65	1.35	4.48	5.61	2	7	9
2022-06-25 18:00	0.35	1.32	5.21	5.9	2	8	9
2022-06-25 19:00	0.29	1.28	4.6	5.08	2	7	8
2022-06-25 20:00	0.3	1.46	5.2	6.63	2	8	10
2022-06-25 21:00	0.35	1.12	4.14	5.64	2	7	9
2022-06-25 22:00	0.39	1.57	5.42	6.14	2	9	10
2022-06-25 23:00	0.43	1.99	7.03	7.27	3	11	11
2022-06-26 00:00	0.53	2.02	7.06	8.11	3	11	13
2022-06-26 01:00	0.59	1.33	3.69	3.93	2	6	6
2022-06-26 02:00	1.09	1.98	5	5.19	3	8	8
2022-06-26 03:00	1.15	2.04	5.01	5.1	3	8	8
2022-06-26 04:00	0.56	1.17	3.18	3.37	2	5	5
2022-06-26 05:00	0.32	0.86	3.77	4.28	1	6	7
2022-06-26 06:00	0.12	0.43	2.98	3.62	1	5	6
2022-06-26 07:00	0.06	0.22	1.36	1.45	0	2	2
2022-06-26 08:00	0.17	0.32	0.98	1.08	1	2	2
2022-06-26 09:00	0.34	0.52	1.27	1.41	1	2	2
2022-06-26 10:00	0.24	0.42	1.21	2.17	1	2	3
2022-06-26 11:00	0.13	0.29	0.85	1.19	0	1	2
2022-06-26 12:00	0.16	0.33	1.13	1.93	1	2	3
2022-06-26 13:00	0.23	0.42	1.31	2.23	1	2	4
2022-06-26 14:00	0.91	1.14	2.21	3.02	2	3	5
2022-06-26 15:00	1.61	1.87	2.99	3.61	3	5	6
2022-06-26 16:00	3.09	3.42	4.53	5.34	5	7	8
2022-06-26 17:00	4	4.42	5.48	6.01	7	9	9
2022-06-26 18:00	3.97	4.35	5.21	5.69	7	8	9
2022-06-26 19:00	4.78	5.26	6.15	6.15	8	10	10
2022-06-26 20:00	4.74	5.59	7.65	7.74	9	12	12
2022-06-26 21:00	4.76	5.46	7.46	7.46	9	12	12

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-26 22:00	4.65	5.25	7.05	7.24	8	11	11
2022-06-26 23:00	4.57	5.29	7.5	7.5	8	12	12
2022-06-27 00:00	4.33	5.01	7.46	7.55	8	12	12
2022-06-27 01:00	4.08	4.7	6.82	6.96	7	11	11
2022-06-27 02:00	3.8	4.46	6.85	6.85	7	11	11
2022-06-27 03:00	3.68	4.31	6.26	6.45	7	10	10
2022-06-27 04:00	3.33	4	6.34	6.39	6	10	10
2022-06-27 05:00	3.03	3.72	6.2	6.44	6	10	10
2022-06-27 06:00	2.71	3.32	5.15	5.29	5	8	8
2022-06-27 07:00	2.63	3.13	4.48	4.68	5	7	7
2022-06-27 08:00	2.76	3.22	4.47	4.66	5	7	7
2022-06-27 09:00	3.72	4.25	5.66	5.95	7	9	9
2022-06-27 10:00	4.4	4.98	6.56	7.08	8	10	11
2022-06-27 11:00	4.94	5.54	7.3	8.06	9	11	13
2022-06-27 12:00	5.69	6.35	8.53	9.49	10	13	15
2022-06-27 13:00	7.97	8.68	10.8	12.14	14	17	19
2022-06-27 14:00	10.05	10.79	12.97	14.36	17	20	23
2022-06-27 15:00	7.73	8.52	10.5	11.6	13	17	18
2022-06-27 16:00	6.88	8.01	10.33	11	13	16	17
2022-06-27 17:00	3.78	4.61	7.39	7.54	7	12	12
2022-06-27 18:00	3.07	3.69	5.44	5.78	6	9	9
2022-06-27 19:00	3.52	4.25	6.75	6.8	7	11	11
2022-06-27 20:00	3.05	4.16	7.79	8.32	7	12	13
2022-06-27 21:00	2.7	4.07	8.78	9.12	6	14	14
2022-06-27 22:00	2.01	2.94	6.41	7.22	5	10	11
2022-06-27 23:00	1.12	1.78	4.26	4.69	3	7	7
2022-06-28 00:00	0.57	1.2	3.43	3.9	2	5	6
2022-06-28 01:00	0.47	0.98	2.89	3.32	2	5	5
2022-06-28 02:00	0.3	0.67	2.23	2.62	1	4	4
2022-06-28 03:00	0.14	0.49	1.96	2.34	1	3	4
2022-06-28 04:00	0.09	0.4	1.95	2.67	1	3	4
2022-06-28 05:00	0.13	0.42	1.67	1.86	1	3	3
2022-06-28 06:00	0.16	0.41	1.33	1.76	1	2	3
2022-06-28 07:00	0.14	0.31	0.92	1.02	0	1	2
2022-06-28 08:00	0.13	0.3	0.98	1.12	0	2	2
2022-06-28 09:00	0.13	0.32	1.04	1.18	1	2	2
2022-06-28 10:00	0.32	0.54	1.27	1.7	1	2	3
2022-06-28 11:00	0.52	0.74	1.42	1.61	1	2	3
2022-06-28 12:00	0.5	0.69	1.29	1.76	1	2	3
2022-06-28 13:00	0.41	0.57	1.13	1.33	1	2	2
2022-06-28 14:00	0.41	0.57	1.13	1.7	1	2	3
2022-06-28 15:00	0.36	0.52	1.11	1.39	1	2	2
2022-06-28 16:00	0.31	0.48	1.11	1.59	1	2	3
2022-06-28 17:00	0.31	0.45	0.97	1.12	1	2	2
2022-06-28 18:00	0.32	0.48	1.04	1.37	1	2	2
2022-06-28 19:00	0.38	0.57	1.17	1.46	1	2	2
2022-06-28 20:00	0.4	0.72	2.02	2.07	1	3	3
2022-06-28 21:00	0.43	0.76	2.02	2.02	1	3	3
2022-06-28 22:00	0.45	0.78	1.88	1.93	1	3	3
2022-06-28 23:00	0.52	1.01	3.06	3.25	2	5	5
2022-06-29 00:00	0.53	1.02	3.1	3.44	2	5	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-06-29 01:00	0.55	1.16	3.73	3.87	2	6	6
2022-06-29 02:00	0.58	1.09	3.14	3.33	2	5	5
2022-06-29 03:00	0.62	1.11	3	3.48	2	5	5
2022-06-29 04:00	0.68	1.23	3.48	3.77	2	5	6
2022-06-29 05:00	0.77	1.35	3.9	4.67	2	6	7
2022-06-29 06:00	0.72	1.07	2.25	2.35	2	4	4
2022-06-29 07:00	0.86	1.12	1.93	2.22	2	3	3
2022-06-29 08:00	0.94	1.18	1.86	1.9	2	3	3
2022-06-29 09:00	0.93	1.15	1.74	1.84	2	3	3
2022-06-29 10:00	0.91	1.09	1.6	1.84	2	3	3
2022-06-29 11:00	0.93	1.11	1.62	1.85	2	3	3
2022-06-29 12:00	0.88	1.04	1.49	1.73	2	2	3
2022-06-29 13:00	0.89	1.05	1.58	1.96	2	2	3
2022-06-29 14:00	0.85	1.01	1.56	1.94	2	2	3
2022-06-29 15:00	0.84	0.98	1.5	1.74	2	2	3
2022-06-29 16:00	0.88	1.07	1.71	1.95	2	3	3
2022-06-29 17:00	0.86	1.15	2.23	2.99	2	4	5
2022-06-29 18:00	0.8	1.14	2.32	2.86	2	4	4
2022-06-29 19:00	0.9	1.43	2.41	2.69	2	4	4
2022-06-29 20:00	0.88	1.39	2.31	2.41	2	4	4
2022-06-29 21:00	0.94	1.37	2.35	2.59	2	4	4
2022-06-29 22:00	1.12	1.58	2.68	2.92	2	4	5
2022-06-29 23:00	1.02	1.48	2.58	2.63	2	4	4
2022-06-30 00:00	1.07	1.53	2.72	2.72	2	4	4
2022-06-30 01:00	1.21	1.7	3.06	3.25	3	5	5
2022-06-30 02:00	1.34	1.84	3.42	3.66	3	5	6
2022-06-30 03:00	1.41	1.95	3.87	4.3	3	6	7
2022-06-30 04:00	1.54	2.19	4.25	4.35	3	7	7
2022-06-30 05:00	1.64	2.28	4.43	4.53	4	7	7
2022-06-30 06:00	1.83	2.62	5.24	5.63	4	8	9
2022-06-30 07:00	2.19	3.11	5.97	6.49	5	9	10
2022-06-30 08:00	1.54	2.23	3.98	4.65	4	6	7
2022-06-30 09:00	0.86	1.34	2.63	2.82	2	4	4
2022-06-30 10:00	0.46	0.78	1.84	2.12	1	3	3
2022-06-30 11:00	0.24	0.48	1.48	1.77	1	2	3
2022-06-30 12:00	0.61	0.92	2.34	3.1	1	4	5
2022-06-30 13:00	1.25	1.63	3.12	3.26	3	5	5
2022-06-30 14:00	1.62	2.15	4.19	4.86	3	7	8
2022-06-30 15:00	1.31	1.59	2.85	3.09	3	4	5
2022-06-30 16:00	0.8	1.09	2.52	3.14	2	4	5
2022-06-30 17:00	0.47	0.76	2.27	3.03	1	4	5
2022-06-30 18:00	0.38	0.66	2	2.28	1	3	4
2022-06-30 19:00	0.41	0.71	1.95	2.52	1	3	4
2022-06-30 20:00	0.31	0.71	2.14	2.57	1	3	4
2022-06-30 21:00	0.32	1.09	4.05	4.39	2	6	7
2022-06-30 22:00	0.42	0.82	2.42	2.71	1	4	4
2022-06-30 23:00	0.41	0.88	2.63	2.87	1	4	5
2022-07-01 00:00	0.44	0.84	2.39	2.93	1	4	5
2022-07-01 01:00	0.47	0.72	1.67	1.86	1	3	3
2022-07-01 02:00	0.48	0.73	1.74	1.97	1	3	3
2022-07-01 03:00	0.45	0.68	1.45	1.69	1	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-01 04:00	0.42	0.63	1.33	1.71	1	2	3
2022-07-01 05:00	0.34	0.53	1.17	1.31	1	2	2
2022-07-01 06:00	0.28	0.46	1.09	1.19	1	2	2
2022-07-01 07:00	0.22	0.39	1.09	1.31	1	2	2
2022-07-01 08:00	0.15	0.29	0.95	1.65	0	1	3
2022-07-01 09:00	0.11	0.27	1.02	1.83	0	2	3
2022-07-01 10:00	0.13	0.29	1.2	1.91	0	2	3
2022-07-01 11:00	0.13	0.33	1.49	3.03	1	2	5
2022-07-01 12:00	0.14	0.4	1.93	4.28	1	3	7
2022-07-01 13:00	0.14	0.38	1.75	3.54	1	3	6
2022-07-01 14:00	0.15	0.45	2.09	4.51	1	3	7
2022-07-01 15:00	0.17	0.46	2.09	4.55	1	3	7
2022-07-01 16:00	0.18	0.49	2.16	4.78	1	3	8
2022-07-01 17:00	0.2	0.47	1.94	3.47	1	3	5
2022-07-01 18:00	0.19	0.48	2.03	3.91	1	3	6
2022-07-01 19:00	0.17	0.46	2.05	4.14	1	3	7
2022-07-01 20:00	0.15	0.38	1.67	3.49	1	3	5
2022-07-01 21:00	0.14	0.34	1.25	2.21	1	2	3
2022-07-01 22:00	0.15	0.37	1.38	2.19	1	2	3
2022-07-01 23:00	0.22	0.45	1.49	2.87	1	2	5
2022-07-02 00:00	0.25	0.47	1.34	1.96	1	2	3
2022-07-02 01:00	0.3	0.51	1.18	1.8	1	2	3
2022-07-02 02:00	0.36	0.6	1.28	1.57	1	2	2
2022-07-02 03:00	0.36	0.6	1.26	1.55	1	2	2
2022-07-02 04:00	0.36	0.59	1.24	1.58	1	2	2
2022-07-02 05:00	0.36	0.58	1.21	1.5	1	2	2
2022-07-02 06:00	0.36	0.57	1.16	1.49	1	2	2
2022-07-02 07:00	0.37	0.57	1.2	1.49	1	2	2
2022-07-02 08:00	0.36	0.54	1.1	1.3	1	2	2
2022-07-02 09:00	0.38	0.54	1.15	2.01	1	2	3
2022-07-02 10:00	0.42	0.58	1.07	1.36	1	2	2
2022-07-02 11:00	0.42	0.57	1.08	1.46	1	2	2
2022-07-02 12:00	0.39	0.55	1.05	1.55	1	2	2
2022-07-02 13:00	0.38	0.54	1.21	2.15	1	2	3
2022-07-02 14:00	0.37	0.54	1.37	2.37	1	2	4
2022-07-02 15:00	0.37	0.54	1.45	2.51	1	2	4
2022-07-02 16:00	0.39	0.53	0.95	1.48	1	1	2
2022-07-02 17:00	0.44	0.58	1.01	1.24	1	2	2
2022-07-02 18:00	0.5	0.63	1.14	1.47	1	2	2
2022-07-02 19:00	0.52	0.7	1.31	1.6	1	2	3
2022-07-02 20:00	0.53	0.81	1.95	2.05	1	3	3
2022-07-02 21:00	0.56	0.86	2.02	2.26	1	3	4
2022-07-02 22:00	0.65	1.01	2.36	2.51	2	4	4
2022-07-02 23:00	0.72	1.21	3.06	3.44	2	5	5
2022-07-03 00:00	0.75	1.25	3.13	3.17	2	5	5
2022-07-03 01:00	0.8	1.27	3.12	3.22	2	5	5
2022-07-03 02:00	0.83	1.27	3.09	3.14	2	5	5
2022-07-03 03:00	0.86	1.25	2.75	2.8	2	4	4
2022-07-03 04:00	0.9	1.29	2.7	2.75	2	4	4
2022-07-03 05:00	0.92	1.45	5.02	6.69	2	8	11
2022-07-03 06:00	0.95	1.29	2.64	2.83	2	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-03 07:00	0.97	1.18	1.81	2.05	2	3	3
2022-07-03 08:00	0.86	1.02	1.59	1.93	2	3	3
2022-07-03 09:00	0.79	0.92	1.25	1.64	1	2	3
2022-07-03 10:00	0.8	0.92	1.22	1.26	1	2	2
2022-07-03 11:00	0.79	0.91	1.19	1.38	1	2	2
2022-07-03 12:00	0.78	0.9	1.17	1.17	1	2	2
2022-07-03 13:00	0.8	0.94	1.26	1.35	1	2	2
2022-07-03 14:00	0.81	0.96	1.43	1.86	2	2	3
2022-07-03 15:00	0.8	0.98	1.62	2.05	2	3	3
2022-07-03 16:00	0.91	1.16	1.89	2.95	2	3	5
2022-07-03 17:00	0.93	1.2	2.35	2.97	2	4	5
2022-07-03 18:00	0.87	1.17	2.1	2.34	2	3	4
2022-07-03 19:00	0.93	1.27	2.37	2.52	2	4	4
2022-07-03 20:00	0.99	1.38	2.89	2.94	2	5	5
2022-07-03 21:00	1.02	1.48	3.27	3.32	2	5	5
2022-07-03 22:00	1.11	1.58	3.38	3.38	2	5	5
2022-07-03 23:00	1.17	1.74	4.06	4.3	3	6	7
2022-07-04 00:00	1.18	1.74	4.06	4.11	3	6	6
2022-07-04 01:00	1.22	1.77	4.13	4.23	3	6	7
2022-07-04 02:00	1.17	1.78	4.27	4.32	3	7	7
2022-07-04 03:00	1.18	1.67	3.45	3.45	3	5	5
2022-07-04 04:00	1.29	1.69	3.2	3.24	3	5	5
2022-07-04 05:00	1.31	1.71	3.19	3.29	3	5	5
2022-07-04 06:00	1.48	1.84	2.89	3.01	3	5	5
2022-07-04 07:00	1.63	1.94	2.61	2.68	3	4	4
2022-07-04 08:00	1.23	1.47	2.12	2.47	2	3	4
2022-07-04 09:00	1.2	1.43	2.08	2.39	2	3	4
2022-07-04 10:00	1.36	1.63	2.32	2.66	3	4	4
2022-07-04 11:00	1.4	1.66	2.32	2.56	3	4	4
2022-07-04 12:00	1.34	1.87	6.39	11.04	3	10	17
2022-07-04 13:00	1.37	1.64	2.59	3.4	3	4	5
2022-07-04 14:00	1.71	6.51	57.54	116.49	10	90	183
2022-07-04 15:00	1.63	3.03	17.42	35.03	5	27	55
2022-07-04 16:00	1.57	2.28	8.03	13.22	4	13	21
2022-07-04 17:00	1.57	1.94	3.3	3.54	3	5	6
2022-07-04 18:00	1.62	1.99	3.15	3.39	3	5	5
2022-07-04 19:00	1.62	2.05	3.4	3.44	3	5	5
2022-07-04 20:00	2.33	2.9	4.77	4.96	5	8	8
2022-07-04 21:00	2.07	2.7	4.94	5.18	4	8	8
2022-07-04 22:00	1.95	2.59	4.69	4.79	4	7	8
2022-07-04 23:00	2.06	2.68	4.86	5.43	4	8	9
2022-07-05 00:00	2.63	3.09	4.49	5.02	5	7	8
2022-07-05 01:00	3.26	3.68	4.84	5.42	6	8	9
2022-07-05 02:00	3.38	3.79	4.81	5.14	6	8	8
2022-07-05 03:00	3.02	3.38	4.24	4.57	5	7	7
2022-07-05 04:00	2.77	3.12	3.88	3.97	5	6	6
2022-07-05 05:00	2.81	3.18	4.17	4.89	5	7	8
2022-07-05 06:00	2.69	3.03	3.83	4.26	5	6	7
2022-07-05 07:00	2.76	3.13	3.93	4.98	5	6	8
2022-07-05 08:00	3.01	3.39	4.13	4.75	5	6	7
2022-07-05 09:00	3.07	3.52	6.83	14.04	6	11	22

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-05 10:00	2.63	3.03	5.55	11.1	5	9	17
2022-07-05 11:00	2.03	2.32	3.62	5.27	4	6	8
2022-07-05 12:00	1.4	1.64	2.92	4.62	3	5	7
2022-07-05 13:00	1.29	1.52	3.18	5.89	2	5	9
2022-07-05 14:00	1.25	1.43	2.4	3.41	2	4	5
2022-07-05 15:00	1.02	1.2	2.26	3.6	2	4	6
2022-07-05 16:00	0.77	0.95	2.51	4.26	1	4	7
2022-07-05 17:00	0.61	0.86	3.14	6.54	1	5	10
2022-07-05 18:00	0.64	0.81	1.48	2.2	1	2	3
2022-07-05 19:00	0.83	1.07	2.03	2.18	2	3	3
2022-07-05 20:00	0.86	1.19	2.55	2.7	2	4	4
2022-07-05 21:00	0.76	1.2	3.05	3.1	2	5	5
2022-07-05 22:00	0.72	1.21	3.02	3.12	2	5	5
2022-07-05 23:00	0.54	0.8	1.73	1.92	1	3	3
2022-07-06 00:00	0.5	0.73	1.42	1.47	1	2	2
2022-07-06 01:00	0.49	0.75	1.58	1.58	1	2	2
2022-07-06 02:00	0.5	0.86	2.23	2.27	1	4	4
2022-07-06 03:00	0.57	0.99	2.49	2.54	2	4	4
2022-07-06 04:00	0.59	0.93	2.15	2.19	1	3	3
2022-07-06 05:00	0.58	0.89	2.32	3.28	1	4	5
2022-07-06 06:00	0.9	1.12	1.86	2	2	3	3
2022-07-06 07:00	1.94	2.26	3.18	3.38	4	5	5
2022-07-06 08:00	2.86	3.22	4.28	4.37	5	7	7
2022-07-06 09:00	3.28	3.67	4.67	5.13	6	7	8
2022-07-06 10:00	3.39	3.72	4.67	5.17	6	7	8
2022-07-06 11:00	4.21	4.5	5.14	5.47	7	8	9
2022-07-06 12:00	3.93	4.21	4.75	4.99	7	7	8
2022-07-06 13:00	4.26	4.61	5.47	5.66	7	9	9
2022-07-06 14:00	4.68	5.16	6.28	6.67	8	10	10
2022-07-06 15:00	4.82	5.3	6.49	6.78	8	10	11
2022-07-06 16:00	5.01	5.48	6.62	6.86	9	10	11
2022-07-06 17:00	5.36	5.96	7.91	9.09	9	12	14
2022-07-06 18:00	5.46	6.1	7.78	8.12	10	12	13
2022-07-06 19:00	6.12	6.91	8.62	9.4	11	14	15
2022-07-06 20:00	6.75	7.64	9.54	9.87	12	15	16
2022-07-06 21:00	6.73	7.51	9.09	9.23	12	14	15
2022-07-06 22:00	6.87	7.57	9.42	9.47	12	15	15
2022-07-06 23:00	6.61	7.72	11.43	11.86	12	18	19
2022-07-07 00:00	6.48	7.68	12.19	12.52	12	19	20
2022-07-07 01:00	6.48	8.06	14.58	15.11	13	23	24
2022-07-07 02:00	7.03	7.91	10.81	10.95	12	17	17
2022-07-07 03:00	7.3	8.1	10.39	10.53	13	16	17
2022-07-07 04:00	4.09	4.71	6.8	6.95	7	11	11
2022-07-07 05:00	1.37	1.75	3.31	3.5	3	5	6
2022-07-07 06:00	1.2	1.49	2.62	2.76	2	4	4
2022-07-07 07:00	1.37	1.68	2.8	2.89	3	4	5
2022-07-07 08:00	1.7	2.07	3.29	3.58	3	5	6
2022-07-07 09:00	1.97	2.35	3.64	3.89	4	6	6
2022-07-07 10:00	2.05	2.42	3.79	4.27	4	6	7
2022-07-07 11:00	2.18	2.53	3.82	4.24	4	6	7
2022-07-07 12:00	2.43	2.75	3.97	4.41	4	6	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-07 13:00	3.87	4.27	5.62	6.1	7	9	10
2022-07-07 14:00	7.31	7.84	9.21	10.21	12	14	16
2022-07-07 15:00	8.47	9.06	10.74	12.13	14	17	19
2022-07-07 16:00	5.25	5.74	8.27	11.19	9	13	18
2022-07-07 17:00	4.4	4.99	9.67	16.8	8	15	26
2022-07-07 18:00	3.37	3.67	4.67	5.11	6	7	8
2022-07-07 19:00	1.52	1.77	2.78	3.07	3	4	5
2022-07-07 20:00	1.47	1.88	3.51	3.65	3	6	6
2022-07-07 21:00	1.5	2.28	5.06	5.16	4	8	8
2022-07-07 22:00	1.74	2.53	5.34	5.49	4	8	9
2022-07-07 23:00	1.91	2.67	5.36	5.65	4	8	9
2022-07-08 00:00	2.14	3.03	6.5	6.74	5	10	11
2022-07-08 01:00	2.28	3.24	7.15	7.29	5	11	11
2022-07-08 02:00	2.33	3.14	6.51	6.61	5	10	10
2022-07-08 03:00	2.29	3.18	6.77	6.82	5	11	11
2022-07-08 04:00	2.18	3.05	6.53	6.53	5	10	10
2022-07-08 05:00	2.36	3.41	11.35	15.03	5	18	24
2022-07-08 06:00	2.65	3.51	5.69	5.88	6	9	9
2022-07-08 07:00	2.2	2.72	4.19	4.47	4	7	7
2022-07-08 08:00	1.91	2.2	3.2	3.77	3	5	6
2022-07-08 09:00	1.9	2.13	2.95	3.5	3	5	6
2022-07-08 10:00	2.79	3.02	3.74	3.93	5	6	6
2022-07-08 11:00	5.41	5.73	6.37	6.46	9	10	10
2022-07-08 12:00	7.15	7.54	8.24	9.06	12	13	14
2022-07-08 13:00	7.41	7.79	8.29	8.34	12	13	13
2022-07-08 14:00	7.43	7.82	8.36	8.4	12	13	13
2022-07-08 15:00	7.79	8.17	8.67	9.05	13	14	14
2022-07-08 16:00	7.91	8.3	8.79	8.89	13	14	14
2022-07-08 17:00	7.71	8.11	8.64	8.69	13	14	14
2022-07-08 18:00	7.39	7.89	8.94	9.03	12	14	14
2022-07-08 19:00	7.02	7.65	9.76	10	12	15	16
2022-07-08 20:00	6.79	7.48	9.66	9.9	12	15	16
2022-07-08 21:00	6.67	7.43	9.97	10.11	12	16	16
2022-07-08 22:00	6.77	7.61	10.43	10.72	12	16	17
2022-07-08 23:00	7.18	8.1	10.79	11.03	13	17	17
2022-07-09 00:00	7.38	8.36	11.05	11.34	13	17	18
2022-07-09 01:00	6.93	7.88	10.42	10.61	12	16	17
2022-07-09 02:00	7.07	8.05	10.47	10.62	13	16	17
2022-07-09 03:00	7.33	8.25	10.58	10.63	13	17	17
2022-07-09 04:00	7.22	8.06	10.38	10.52	13	16	17
2022-07-09 05:00	7.08	7.85	10.07	10.27	12	16	16
2022-07-09 06:00	6.9	7.64	9.49	9.77	12	15	15
2022-07-09 07:00	6.66	7.2	8.52	8.76	11	13	14
2022-07-09 08:00	6.56	7.04	8.12	8.56	11	13	13
2022-07-09 09:00	5.68	6.07	6.94	7.42	10	11	12
2022-07-09 10:00	5.37	5.7	6.46	7.14	9	10	11
2022-07-09 11:00	5.71	6.05	6.79	7.27	10	11	11
2022-07-09 12:00	5.37	5.72	6.63	7.74	9	10	12
2022-07-09 13:00	5.74	6.11	7.01	7.83	10	11	12
2022-07-09 14:00	7.28	7.76	8.78	9.5	12	14	15
2022-07-09 15:00	6.66	7.14	8.29	9.01	11	13	14

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-09 16:00	6.13	6.59	7.69	8.79	10	12	14
2022-07-09 17:00	5.69	6.18	7.4	8.36	10	12	13
2022-07-09 18:00	5.91	6.45	7.93	8.65	10	12	14
2022-07-09 19:00	5.57	6.14	7.62	8.34	10	12	13
2022-07-09 20:00	5.68	6.33	8.03	8.65	10	13	14
2022-07-09 21:00	5.83	6.58	8.58	8.96	10	13	14
2022-07-09 22:00	5.89	6.54	8.26	8.74	10	13	14
2022-07-09 23:00	5.79	6.69	9.43	9.71	11	15	15
2022-07-10 00:00	6.08	7.03	9.67	10.77	11	15	17
2022-07-10 01:00	6	7.02	8.69	9.22	11	14	15
2022-07-10 02:00	6.31	7.09	8.44	8.63	11	13	14
2022-07-10 03:00	6.46	7.11	8.51	8.65	11	13	14
2022-07-10 04:00	5.96	6.53	7.75	7.94	10	12	12
2022-07-10 05:00	5.56	6.11	7.13	7.32	10	11	12
2022-07-10 06:00	5.16	5.7	6.81	6.86	9	11	11
2022-07-10 07:00	4.8	5.4	6.62	7.1	8	10	11
2022-07-10 08:00	4.7	5.42	7	7.67	9	11	12
2022-07-10 09:00	4.49	5.27	7.11	8.03	8	11	13
2022-07-10 10:00	4.15	4.99	7.04	7.71	8	11	12
2022-07-10 11:00	3.03	3.92	6.15	7.35	6	10	12
2022-07-10 12:00	1.72	2.55	4.74	6.27	4	7	10
2022-07-10 13:00	1.45	2.27	4.76	5.81	4	7	9
2022-07-10 14:00	1.05	2.08	8.02	15.1	3	13	24
2022-07-10 15:00	1.57	3.28	11.86	13.64	5	19	21
2022-07-10 16:00	1.32	2.67	6.64	7.21	4	10	11
2022-07-10 17:00	1.49	2.93	6.78	7.45	5	11	12
2022-07-10 18:00	1.31	2.64	5.44	5.97	4	9	9
2022-07-10 19:00	1.22	2.3	5.05	5.34	4	8	8
2022-07-10 20:00	1.14	2.15	5.19	5.33	3	8	8
2022-07-10 21:00	1.24	2.16	5.06	5.3	3	8	8
2022-07-10 22:00	1.32	2.63	6.98	7.51	4	11	12
2022-07-10 23:00	1.64	2.52	5.47	5.75	4	9	9
2022-07-11 00:00	2.12	3.09	6.27	6.46	5	10	10
2022-07-11 01:00	2.14	3.17	6.75	7.18	5	11	11
2022-07-11 02:00	2.41	3.77	9.22	9.75	6	15	15
2022-07-11 03:00	3.02	4.76	11.56	11.71	7	18	18
2022-07-11 04:00	3.42	4.98	10.98	11.26	8	17	18
2022-07-11 05:00	3.86	5.04	9.7	9.8	8	15	15
2022-07-11 06:00	4.33	5.54	9.48	9.72	9	15	15
2022-07-11 07:00	4.73	5.58	8.05	8.39	9	13	13
2022-07-11 08:00	4.46	5.21	7.72	8.15	8	12	13
2022-07-11 09:00	4.17	4.82	6.95	7.15	8	11	11
2022-07-11 10:00	3.87	4.42	6.6	6.74	7	10	11
2022-07-11 11:00	3.92	4.5	7.28	7.71	7	11	12
2022-07-11 12:00	3.79	4.29	6.63	7.05	7	10	11
2022-07-11 13:00	3.83	4.32	6.55	7.03	7	10	11
2022-07-11 14:00	3.3	4.24	8.59	9.55	7	14	15
2022-07-11 15:00	4.18	4.92	6.95	7.19	8	11	11
2022-07-11 16:00	3.14	3.92	6.09	6.28	6	10	10
2022-07-11 17:00	3.37	4.3	7.05	7.19	7	11	11
2022-07-11 18:00	4.29	5.31	8.38	8.62	8	13	14

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-11 19:00	5.4	6.53	10.28	10.29	10	16	16
2022-07-11 20:00	4.88	5.97	9.72	9.95	9	15	16
2022-07-11 21:00	1.76	2.68	5.87	5.92	4	9	9
2022-07-11 22:00	0.62	1.5	4.67	4.72	2	7	7
2022-07-11 23:00	0.82	1.41	3.67	4	2	6	6
2022-07-12 00:00	0.64	1.09	3.19	3.43	2	5	5
2022-07-12 01:00	1.16	1.65	3.81	3.96	3	6	6
2022-07-12 02:00	2.66	3.21	5.84	6.18	5	9	10
2022-07-12 03:00	2.12	2.72	5.26	5.35	4	8	8
2022-07-12 04:00	2.87	3.5	6.04	6.23	6	9	10
2022-07-12 05:00	2.28	2.85	4.99	5.04	4	8	8
2022-07-12 06:00	1.08	1.59	3.22	3.41	3	5	5
2022-07-12 07:00	1.89	2.27	3.63	3.87	4	6	6
2022-07-12 08:00	2.83	3.24	4.52	4.62	5	7	7
2022-07-12 09:00	4.27	4.76	6.02	6.07	7	9	10
2022-07-12 10:00	5.98	6.6	7.85	8.33	10	12	13
2022-07-12 11:00	4.73	5.29	6.14	6.24	8	10	10
2022-07-12 12:00	2.53	2.78	3.6	3.75	4	6	6
2022-07-12 13:00	2.14	2.43	3.63	3.73	4	6	6
2022-07-12 14:00	3.63	4.01	5.22	5.32	6	8	8
2022-07-12 15:00	4.44	4.86	6.46	6.7	8	10	11
2022-07-12 16:00	4.29	4.71	6.42	6.56	7	10	10
2022-07-12 17:00	5.09	5.63	7.75	8.01	9	12	13
2022-07-12 18:00	5.7	6.58	9.79	10.06	10	15	16
2022-07-12 19:00	5.5	6.89	12.27	12.37	11	19	19
2022-07-12 20:00	5.48	6.71	11.38	11.42	11	18	18
2022-07-12 21:00	5.45	7.31	14.08	14.27	11	22	22
2022-07-12 22:00	5.54	7.42	14.59	14.93	12	23	23
2022-07-12 23:00	5.61	7.24	14.08	14.36	11	22	23
2022-07-13 00:00	5.69	7.3	13.52	13.52	11	21	21
2022-07-13 01:00	5.2	6.93	14.24	14.29	11	22	22
2022-07-13 02:00	4.21	6.11	14.26	14.61	10	22	23
2022-07-13 03:00	2.94	4.78	12.34	12.53	8	19	20
2022-07-13 04:00	2.43	4.02	10.06	10.19	6	16	16
2022-07-13 05:00	2.29	3.77	10.07	10.35	6	16	16
2022-07-13 06:00	2.14	3.37	7.93	8.02	5	12	13
2022-07-13 07:00	1.88	2.55	4.32	4.37	4	7	7
2022-07-13 08:00	2.59	3.21	4.99	5.13	5	8	8
2022-07-13 09:00	2.86	3.44	5.11	5.35	5	8	8
2022-07-13 10:00	2.77	3.18	4.44	4.64	5	7	7
2022-07-13 11:00	3.48	3.83	4.86	5	6	8	8
2022-07-13 12:00	3.89	4.24	5.3	5.73	7	8	9
2022-07-13 13:00	4.39	4.75	5.92	6.49	7	9	10
2022-07-13 14:00	4.83	5.17	5.99	6.14	8	9	10
2022-07-13 15:00	4.67	5.01	5.82	6.02	8	9	9
2022-07-13 16:00	4.37	4.71	5.68	5.97	7	9	9
2022-07-13 17:00	4.56	4.97	6.4	7.12	8	10	11
2022-07-13 18:00	4.62	5.13	6.5	6.55	8	10	10
2022-07-13 19:00	4.58	5.33	7.82	7.86	8	12	12
2022-07-13 20:00	4.62	5.69	9.15	9.49	9	14	15
2022-07-13 21:00	4.9	5.94	9.21	9.3	9	14	15

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-13 22:00	5.24	6.54	10.3	10.39	10	16	16
2022-07-13 23:00	5.68	7.2	12.12	12.31	11	19	19
2022-07-14 00:00	6.51	7.72	10.92	11.06	12	17	17
2022-07-14 01:00	6.34	7.32	9.96	10.01	12	16	16
2022-07-14 02:00	6.33	7.21	9.74	9.79	11	15	15
2022-07-14 03:00	6.28	7.12	9.57	9.62	11	15	15
2022-07-14 04:00	6.28	7.07	9.28	9.28	11	15	15
2022-07-14 05:00	6.23	7.1	9.65	9.79	11	15	15
2022-07-14 06:00	6.2	7.1	9.73	9.82	11	15	15
2022-07-14 07:00	6.13	6.71	8.22	8.37	11	13	13
2022-07-14 08:00	5.65	6.16	7.57	8.23	10	12	13
2022-07-14 09:00	5.83	6.3	7.54	8.05	10	12	13
2022-07-14 10:00	4.78	5.17	6.23	6.52	8	10	10
2022-07-14 11:00	4.52	4.9	5.82	6.17	8	9	10
2022-07-14 12:00	4.83	5.22	6.2	6.46	8	10	10
2022-07-14 13:00	5.16	5.6	6.67	7.05	9	10	11
2022-07-14 14:00	5.08	5.56	6.75	7.42	9	11	12
2022-07-14 15:00	5.25	5.77	7.08	7.7	9	11	12
2022-07-14 16:00	5.35	5.87	7.26	7.78	9	11	12
2022-07-14 17:00	5.35	5.91	7.4	7.75	9	12	12
2022-07-14 18:00	5.62	6.15	7.63	8.13	10	12	13
2022-07-14 19:00	6.2	6.83	8.5	9.07	11	13	14
2022-07-14 20:00	6.41	7.09	8.84	9.03	11	14	14
2022-07-14 21:00	5.97	6.78	9.07	9.4	11	14	15
2022-07-14 22:00	5.64	6.65	9.75	10.16	10	15	16
2022-07-14 23:00	5.68	6.66	9.57	9.89	10	15	16
2022-07-15 00:00	5.55	6.5	9.08	9.17	10	14	14
2022-07-15 01:00	5.33	6.17	8.46	8.65	10	13	14
2022-07-15 02:00	5.35	6.26	8.76	9	10	14	14
2022-07-15 03:00	5.37	6.19	8.51	8.82	10	13	14
2022-07-15 04:00	5.07	5.8	7.82	8.13	9	12	13
2022-07-15 05:00	4.92	5.7	7.97	8.07	9	13	13
2022-07-15 06:00	5.08	5.76	8.13	9.18	9	13	14
2022-07-15 07:00	5.11	5.83	7.8	8.4	9	12	13
2022-07-15 08:00	5.12	6	8.02	8.14	9	13	13
2022-07-15 09:00	5.13	6.03	7.86	8.22	9	12	13
2022-07-15 10:00	5.93	6.87	8.6	8.75	11	14	14
2022-07-15 11:00	9.95	11.24	12.88	13.36	18	20	21
2022-07-15 12:00	10.66	11.72	13.17	13.89	18	21	22
2022-07-15 13:00	4.13	4.64	6.34	8.39	7	10	13
2022-07-15 14:00	1.77	2.18	3.48	4.39	3	5	7
2022-07-15 15:00	1.51	1.95	3.46	4.22	3	5	7
2022-07-15 16:00	1.53	1.94	3.3	4.45	3	5	7
2022-07-15 17:00	1.64	2.07	3.45	4.17	3	5	7
2022-07-15 18:00	1.85	2.3	3.94	5.48	4	6	9
2022-07-15 19:00	2.06	2.61	4.33	4.76	4	7	7
2022-07-15 20:00	2.21	3.23	6.63	6.77	5	10	11
2022-07-15 21:00	2.39	3.49	6.82	7.01	5	11	11
2022-07-15 22:00	2.65	3.63	6.41	6.6	6	10	10
2022-07-15 23:00	2.92	4.14	7.57	7.67	7	12	12
2022-07-16 00:00	2.98	4.41	8.45	8.5	7	13	13

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-16 01:00	2.92	4.48	9.37	9.61	7	15	15
2022-07-16 02:00	3.07	4.44	8.68	8.77	7	14	14
2022-07-16 03:00	3.3	4.48	8.02	8.26	7	13	13
2022-07-16 04:00	3.4	4.6	8.29	8.38	7	13	13
2022-07-16 05:00	3.52	4.61	8.14	8.52	7	13	13
2022-07-16 06:00	3.67	4.75	8.52	9.43	7	13	15
2022-07-16 07:00	4.11	5	7.44	7.95	8	12	13
2022-07-16 08:00	5.17	5.9	8	8.48	9	13	13
2022-07-16 09:00	5.39	6.13	9.05	11.6	10	14	18
2022-07-16 10:00	5.48	6.14	8.27	9.42	10	13	15
2022-07-16 11:00	5.22	5.85	7.63	8.25	9	12	13
2022-07-16 12:00	3.61	4.25	6.25	7.15	7	10	11
2022-07-16 13:00	3.48	4.13	6.32	7.86	6	10	12
2022-07-16 14:00	3.01	3.61	5.47	6.52	6	9	10
2022-07-16 15:00	3.18	3.81	5.88	6.84	6	9	11
2022-07-16 16:00	2.84	3.45	4.95	5.77	5	8	9
2022-07-16 17:00	2.44	3.06	4.71	5.04	5	7	8
2022-07-16 18:00	2.22	2.95	5.05	5.34	5	8	8
2022-07-16 19:00	2.06	2.75	5.08	5.51	4	8	9
2022-07-16 20:00	2.11	2.97	6.03	6.12	5	9	10
2022-07-16 21:00	2.38	3.25	6.61	7	5	10	11
2022-07-16 22:00	2.8	3.71	6.54	6.83	6	10	11
2022-07-16 23:00	2.97	3.96	6.63	6.97	6	10	11
2022-07-17 00:00	2.84	3.87	6.6	6.98	6	10	11
2022-07-17 01:00	2.68	3.63	6.02	6.22	6	9	10
2022-07-17 02:00	2.5	3.35	5.49	5.53	5	9	9
2022-07-17 03:00	2.83	3.78	5.94	5.99	6	9	9
2022-07-17 04:00	3.09	4	6.16	6.31	6	10	10
2022-07-17 05:00	3.04	3.86	5.74	5.84	6	9	9
2022-07-17 06:00	2.75	3.47	5.09	5.36	5	8	8
2022-07-17 07:00	2.71	3.37	4.63	4.99	5	7	8
2022-07-17 08:00	2.56	3.25	4.49	4.78	5	7	8
2022-07-17 09:00	2.23	2.86	4.04	4.57	4	6	7
2022-07-17 10:00	1.91	2.5	3.52	3.81	4	6	6
2022-07-17 11:00	1.93	2.52	3.84	4.12	4	6	6
2022-07-17 12:00	1.93	2.41	3.36	3.79	4	5	6
2022-07-17 13:00	1.86	2.31	3.15	3.48	4	5	5
2022-07-17 14:00	1.93	2.36	3.19	3.81	4	5	6
2022-07-17 15:00	1.88	2.34	3.3	3.78	4	5	6
2022-07-17 16:00	1.99	2.51	3.53	4	4	6	6
2022-07-17 17:00	1.94	2.53	3.7	4.37	4	6	7
2022-07-17 18:00	1.92	2.72	4.65	4.99	4	7	8
2022-07-17 19:00	2	2.91	5.5	5.98	5	9	9
2022-07-17 20:00	1.33	4.49	27.53	54.74	7	43	86
2022-07-17 21:00	1.33	2.98	7.15	7.87	5	11	12
2022-07-17 22:00	0.61	1.38	3.74	4.27	2	6	7
2022-07-17 23:00	0.38	1.07	3.91	4.33	2	6	7
2022-07-18 00:00	0.45	1.33	4.73	5.07	2	7	8
2022-07-18 01:00	0.71	1.74	5.53	5.86	3	9	9
2022-07-18 02:00	0.9	2.28	7.34	7.67	4	12	12
2022-07-18 03:00	1.11	2.4	6.63	6.77	4	10	11

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-18 04:00	1.44	2.66	6.15	6.34	4	10	10
2022-07-18 05:00	1.74	2.95	6.2	6.35	5	10	10
2022-07-18 06:00	1.97	3.18	5.98	6.07	5	9	10
2022-07-18 07:00	2.36	3.52	6.08	6.6	6	10	10
2022-07-18 08:00	4.15	5.47	7.81	8.2	9	12	13
2022-07-18 09:00	7.25	9.11	11.78	12.37	14	19	19
2022-07-18 10:00	13.49	16.48	19.32	19.56	26	30	31
2022-07-18 11:00	13.86	16.2	18.8	19.32	25	30	30
2022-07-18 12:00	13.59	15.39	17.69	18.27	24	28	29
2022-07-18 13:00	13.17	14.75	16.93	17.12	23	27	27
2022-07-18 14:00	15.61	17.34	19.47	20.04	27	31	32
2022-07-18 15:00	18.8	20.52	22.58	23.05	32	36	36
2022-07-18 16:00	22.77	24.58	26.55	26.82	39	42	42
2022-07-18 17:00	23.09	24.98	27.24	27.59	39	43	43
2022-07-18 18:00	21.34	23.72	28.07	28.5	37	44	45
2022-07-18 19:00	24.89	27.07	30.28	30.52	43	48	48
2022-07-18 20:00	28.29	31.2	36.15	36.63	49	57	58
2022-07-18 21:00	29.62	33.22	39.48	39.57	52	62	62
2022-07-18 22:00	30.25	33.91	40.48	40.91	53	64	64
2022-07-18 23:00	30.19	33.58	39.28	39.57	53	62	62
2022-07-19 00:00	30.97	34.38	40.44	40.73	54	64	64
2022-07-19 01:00	20.56	22.46	24.9	25.14	35	39	40
2022-07-19 02:00	11.83	12.97	14.81	14.96	20	23	24
2022-07-19 03:00	7.16	7.89	9.11	9.11	12	14	14
2022-07-19 04:00	5.18	5.75	6.86	7.05	9	11	11
2022-07-19 05:00	4.26	4.71	5.62	5.91	7	9	9
2022-07-19 06:00	3.96	4.37	5.22	5.31	7	8	8
2022-07-19 07:00	4.08	4.46	5.18	5.42	7	8	9
2022-07-19 08:00	4.43	4.81	5.54	5.68	8	9	9
2022-07-19 09:00	4.88	5.27	5.99	6.08	8	9	10
2022-07-19 10:00	5.37	5.78	6.53	6.91	9	10	11
2022-07-19 11:00	5.98	6.41	7.06	7.39	10	11	12
2022-07-19 12:00	6.34	6.81	7.56	7.95	11	12	13
2022-07-19 13:00	8.39	8.99	9.8	10.27	14	15	16
2022-07-19 14:00	8.59	9.25	10.1	10.68	15	16	17
2022-07-19 15:00	7.62	8.22	9.04	9.37	13	14	15
2022-07-19 16:00	7.27	7.84	8.65	9.12	12	14	14
2022-07-19 17:00	7.1	7.72	8.75	9	12	14	14
2022-07-19 18:00	5.49	6.02	7.21	7.44	9	11	12
2022-07-19 19:00	5.41	5.99	7.44	7.73	9	12	12
2022-07-19 20:00	6.31	6.93	8.07	8.31	11	13	13
2022-07-19 21:00	6.97	7.69	8.98	9.18	12	14	14
2022-07-19 22:00	7.41	8.28	9.92	10.02	13	16	16
2022-07-19 23:00	7.54	8.46	10	10.29	13	16	16
2022-07-20 00:00	7.3	8.2	9.69	9.98	13	15	16
2022-07-20 01:00	8.66	9.66	11.14	11.23	15	18	18
2022-07-20 02:00	7.89	8.79	10.27	10.27	14	16	16
2022-07-20 03:00	6.6	7.34	8.58	8.77	12	13	14
2022-07-20 04:00	6.44	7.21	8.6	8.89	11	14	14
2022-07-20 05:00	6.27	6.97	8.2	8.2	11	13	13
2022-07-20 06:00	6.1	6.71	7.86	8.34	11	12	13

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-20 07:00	6.25	6.85	7.93	8.17	11	12	13
2022-07-20 08:00	6.78	7.39	8.63	9.3	12	14	15
2022-07-20 09:00	6.29	6.84	8.18	9.06	11	13	14
2022-07-20 10:00	6.51	7.02	7.85	8.32	11	12	13
2022-07-20 11:00	8.78	9.4	10.89	11.76	15	17	18
2022-07-20 12:00	8.49	9.04	9.95	10.23	14	16	16
2022-07-20 13:00	5.25	5.62	6.67	7.58	9	10	12
2022-07-20 14:00	4.83	5.15	5.71	5.9	8	9	9
2022-07-20 15:00	3.79	4.14	6.36	11.25	7	10	18
2022-07-20 16:00	4.36	4.76	7.99	14.74	7	13	23
2022-07-20 17:00	6.5	6.98	9.98	16.3	11	16	26
2022-07-20 18:00	14.26	15.06	15.94	16.37	24	25	26
2022-07-20 19:00	15.89	17.21	19.05	20.96	27	30	33
2022-07-20 20:00	6.39	7.48	10.16	10.93	12	16	17
2022-07-20 21:00	18.7	21.48	23.83	24.45	34	37	38
2022-07-20 22:00	28.15	33.03	35.48	35.87	52	56	56
2022-07-20 23:00	26.71	31.64	34.91	35.2	50	55	55
2022-07-21 00:00	24.58	28.82	31.59	31.73	45	50	50
2022-07-21 01:00	29.55	34.85	37.5	37.88	55	59	60
2022-07-21 02:00	27.09	31.81	34.25	34.48	50	54	54
2022-07-21 03:00	17.74	20.71	22.65	23.32	33	36	37
2022-07-21 04:00	9.57	11.19	12.78	13.21	18	20	21
2022-07-21 05:00	7.65	8.77	10.06	10.68	14	16	17
2022-07-21 06:00	8.05	9.14	10.37	10.7	14	16	17
2022-07-21 07:00	10.36	11.41	12.56	13.04	18	20	21
2022-07-21 08:00	9.93	11	12.26	12.97	17	19	20
2022-07-21 09:00	3.48	4.06	5.22	6.36	6	8	10
2022-07-21 10:00	3.51	3.95	4.82	5.45	6	8	9
2022-07-21 11:00	4.82	5.35	6.24	7.3	8	10	11
2022-07-21 12:00	1.41	1.92	2.84	3.17	3	4	5
2022-07-21 13:00	0.88	1.55	3.02	3.31	2	5	5
2022-07-21 14:00	0.9	1.45	2.62	2.86	2	4	4
2022-07-21 15:00	0.65	1.05	2.16	2.54	2	3	4
2022-07-21 16:00	1.14	2.22	5.6	6.03	3	9	9
2022-07-21 17:00	0.88	1.58	4.21	4.69	2	7	7
2022-07-21 18:00	0.89	1.5	3.43	3.53	2	5	6
2022-07-21 19:00	0.93	1.78	5.27	5.7	3	8	9
2022-07-21 20:00	0.9	2.29	8.61	8.85	4	14	14
2022-07-21 21:00	0.73	2.49	10.51	10.89	4	17	17
2022-07-21 22:00	0.94	2.06	6.68	6.88	3	11	11
2022-07-21 23:00	0.93	2.3	8.31	8.68	4	13	14
2022-07-22 00:00	1.07	2.76	9.83	10.16	4	15	16
2022-07-22 01:00	1.79	2.91	6.17	6.36	5	10	10
2022-07-22 02:00	1.86	3.1	6.46	6.89	5	10	11
2022-07-22 03:00	1.92	3.02	6.27	6.32	5	10	10
2022-07-22 04:00	1.83	2.69	4.9	5.01	4	8	8
2022-07-22 05:00	1.65	2.44	4.38	4.61	4	7	7
2022-07-22 06:00	1.41	2.14	4.01	4.15	3	6	7
2022-07-22 07:00	1.46	2.21	3.78	3.88	3	6	6
2022-07-22 08:00	1.29	1.98	3.48	3.67	3	5	6
2022-07-22 09:00	1.06	1.68	3.07	3.4	3	5	5

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-22 10:00	0.78	1.25	2.39	2.44	2	4	4
2022-07-22 11:00	0.72	1.17	2.24	2.53	2	4	4
2022-07-22 12:00	0.76	1.31	2.78	2.88	2	4	5
2022-07-22 13:00	0.85	1.29	2.55	3.27	2	4	5
2022-07-22 14:00	0.88	1.3	2.55	2.89	2	4	5
2022-07-22 15:00	0.74	1.13	2.3	2.73	2	4	4
2022-07-22 16:00	0.7	1.06	2.08	2.46	2	3	4
2022-07-22 17:00	0.71	1.11	2.13	2.6	2	3	4
2022-07-22 18:00	0.6	1	2.02	2.21	2	3	3
2022-07-22 19:00	0.39	0.75	1.82	2.25	1	3	4
2022-07-22 20:00	0.63	1.07	2.33	2.52	2	4	4
2022-07-22 21:00	0.96	1.51	2.96	3.11	2	5	5
2022-07-22 22:00	1.48	2.15	3.87	3.87	3	6	6
2022-07-22 23:00	1.61	2.91	7.06	7.2	5	11	11
2022-07-23 00:00	1.91	3.27	8.12	8.21	5	13	13
2022-07-23 01:00	2.12	3.36	7.97	8.02	5	13	13
2022-07-23 02:00	2.34	3.61	8.77	8.92	6	14	14
2022-07-23 03:00	2.37	3.53	7.85	7.94	6	12	12
2022-07-23 04:00	2.45	3.49	7.37	7.52	5	12	12
2022-07-23 05:00	2.53	3.58	7.91	7.95	6	12	13
2022-07-23 06:00	2.76	3.52	5.86	5.91	6	9	9
2022-07-23 07:00	2.79	3.38	4.72	4.82	5	7	8
2022-07-23 08:00	2.72	3.27	4.36	4.41	5	7	7
2022-07-23 09:00	2.4	2.84	3.72	3.77	4	6	6
2022-07-23 10:00	2.12	2.5	3.28	3.47	4	5	5
2022-07-23 11:00	2	2.35	3.08	3.22	4	5	5
2022-07-23 12:00	1.96	2.31	3.01	3.16	4	5	5
2022-07-23 13:00	1.89	2.22	2.86	3.05	3	4	5
2022-07-23 14:00	1.88	2.66	5.23	6.04	4	8	9
2022-07-23 15:00	2.29	3.06	5.79	6.8	5	9	11
2022-07-23 16:00	1.81	2.29	3.96	4.17	4	6	7
2022-07-23 17:00	1.87	2.41	4.23	4.57	4	7	7
2022-07-23 18:00	2.15	3.14	6.7	7.12	5	11	11
2022-07-23 19:00	2.22	2.98	5.46	5.56	5	9	9
2022-07-23 20:00	2.22	3.68	10	10.14	6	16	16
2022-07-23 21:00	2.36	4.16	11.76	12.32	7	18	19
2022-07-23 22:00	2.44	3.49	7.02	7.51	5	11	12
2022-07-23 23:00	1.88	2.59	4.95	5.24	4	8	8
2022-07-24 00:00	1.66	2.43	5.35	5.59	4	8	9
2022-07-24 01:00	1.52	2.35	4.83	5.07	4	8	8
2022-07-24 02:00	1.25	2.02	4.54	4.77	3	7	8
2022-07-24 03:00	0.97	1.53	3.39	3.63	2	5	6
2022-07-24 04:00	0.89	1.35	2.75	2.95	2	4	5
2022-07-24 05:00	0.89	1.34	2.71	2.76	2	4	4
2022-07-24 06:00	0.9	1.34	2.55	2.55	2	4	4
2022-07-24 07:00	0.91	1.35	2.47	2.57	2	4	4
2022-07-24 08:00	0.81	1.21	2.12	2.16	2	3	3
2022-07-24 09:00	0.6	0.92	1.48	1.58	1	2	2
2022-07-24 10:00	0.58	0.82	1.32	1.47	1	2	2
2022-07-24 11:00	0.45	0.61	1.09	1.23	1	2	2
2022-07-24 12:00	0.52	0.72	1.3	1.34	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-24 13:00	0.88	1.15	2.05	2.1	2	3	3
2022-07-24 14:00	1.08	1.4	2.37	2.56	2	4	4
2022-07-24 15:00	1.01	1.31	2.22	2.27	2	3	4
2022-07-24 16:00	0.88	1.22	2.01	2.2	2	3	3
2022-07-24 17:00	1.19	1.61	2.83	3.17	3	4	5
2022-07-24 18:00	1.36	1.81	3.11	3.3	3	5	5
2022-07-24 19:00	1.4	1.87	3.36	3.65	3	5	6
2022-07-24 20:00	1.36	2.19	5.25	5.34	3	8	8
2022-07-24 21:00	1.37	2.24	6.27	6.46	4	10	10
2022-07-24 22:00	1.38	2.39	6.5	6.6	4	10	10
2022-07-24 23:00	1.42	2.44	6.23	6.33	4	10	10
2022-07-25 00:00	1.44	2.44	6.16	6.26	4	10	10
2022-07-25 01:00	1.55	2.79	7.85	8.04	4	12	13
2022-07-25 02:00	1.69	2.59	6.12	6.27	4	10	10
2022-07-25 03:00	1.77	2.64	5.78	5.78	4	9	9
2022-07-25 04:00	1.89	2.6	5.08	5.32	4	8	8
2022-07-25 05:00	2.12	2.82	5.22	5.31	4	8	8
2022-07-25 06:00	2.24	2.84	4.64	4.83	4	7	8
2022-07-25 07:00	2.24	2.75	4.17	4.36	4	7	7
2022-07-25 08:00	2.18	2.65	4.03	4.58	4	6	7
2022-07-25 09:00	2.12	2.56	3.78	4.61	4	6	7
2022-07-25 10:00	1.96	2.34	3.36	3.51	4	5	6
2022-07-25 11:00	1.82	2.12	3.08	3.41	3	5	5
2022-07-25 12:00	1.75	2.04	2.94	3.18	3	5	5
2022-07-25 13:00	1.84	2.15	2.99	3.46	3	5	5
2022-07-25 14:00	1.74	2.03	2.83	3.03	3	4	5
2022-07-25 15:00	1.7	1.99	2.83	3.26	3	4	5
2022-07-25 16:00	1.63	1.94	2.9	3.14	3	5	5
2022-07-25 17:00	1.56	1.95	3.24	3.86	3	5	6
2022-07-25 18:00	1.46	1.97	3.57	3.96	3	6	6
2022-07-25 19:00	1.39	2.35	5.75	6.08	4	9	10
2022-07-25 20:00	1.39	2.8	8.42	8.71	4	13	14
2022-07-25 21:00	1.36	2.57	6.75	6.94	4	11	11
2022-07-25 22:00	1.36	2.81	7.54	7.68	4	12	12
2022-07-25 23:00	1.51	2.62	5.96	6.43	4	9	10
2022-07-26 00:00	1.63	2.44	4.87	5.31	4	8	8
2022-07-26 01:00	1.58	2.37	4.82	5.25	4	8	8
2022-07-26 02:00	1.54	2.21	4.19	4.72	3	7	7
2022-07-26 03:00	1.55	2.21	3.72	3.77	3	6	6
2022-07-26 04:00	1.52	2.23	3.84	3.94	4	6	6
2022-07-26 05:00	1.39	2.11	3.55	3.65	3	6	6
2022-07-26 06:00	1.1	1.66	2.75	2.8	3	4	4
2022-07-26 07:00	1.1	1.54	2.5	2.55	2	4	4
2022-07-26 08:00	1.92	2.36	3.34	3.44	4	5	5
2022-07-26 09:00	4.52	5.1	6.34	6.48	8	10	10
2022-07-26 10:00	7.67	8.39	9.85	9.9	13	15	16
2022-07-26 11:00	6.6	7.31	8.98	9.45	11	14	15
2022-07-26 12:00	6.19	6.88	8.39	9.07	11	13	14
2022-07-26 13:00	6.25	6.89	8.34	8.72	11	13	14
2022-07-26 14:00	4.64	5.15	6.36	6.89	8	10	11
2022-07-26 15:00	3.1	3.51	4.67	5.25	6	7	8

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-26 16:00	2.05	2.39	3.46	4.03	4	5	6
2022-07-26 17:00	1.71	2.02	3.09	3.48	3	5	5
2022-07-26 18:00	0.86	1.14	2.14	2.23	2	3	4
2022-07-26 19:00	0.9	1.35	3	3.33	2	5	5
2022-07-26 20:00	0.98	1.99	5.96	6.15	3	9	10
2022-07-26 21:00	1.03	2.29	7.28	7.52	4	11	12
2022-07-26 22:00	1.06	2.37	6.94	7.03	4	11	11
2022-07-26 23:00	1.39	2.82	7.67	7.86	4	12	12
2022-07-27 00:00	2.36	3.6	7.81	7.91	6	12	12
2022-07-27 01:00	2.64	3.89	8.13	8.27	6	13	13
2022-07-27 02:00	2.53	3.71	7.84	7.93	6	12	12
2022-07-27 03:00	2.5	3.64	8.17	8.22	6	13	13
2022-07-27 04:00	2.46	3.53	7.99	8.08	6	13	13
2022-07-27 05:00	2.38	3.28	6.81	6.91	5	11	11
2022-07-27 06:00	2.42	3.2	5.93	5.93	5	9	9
2022-07-27 07:00	2.44	3.07	4.81	4.86	5	8	8
2022-07-27 08:00	2.12	2.79	4.62	4.81	4	7	8
2022-07-27 09:00	1.84	2.44	4	4.04	4	6	6
2022-07-27 10:00	1.74	2.51	4.21	4.31	4	7	7
2022-07-27 11:00	1.18	1.53	2.17	2.22	2	3	3
2022-07-27 12:00	0.95	1.31	2.3	2.59	2	4	4
2022-07-27 13:00	0.87	1.31	2.42	2.56	2	4	4
2022-07-27 14:00	0.76	1.13	2.23	2.37	2	4	4
2022-07-27 15:00	0.68	1.14	2.48	2.58	2	4	4
2022-07-27 16:00	0.62	0.94	1.99	2.18	1	3	3
2022-07-27 17:00	0.52	1.05	3.33	3.62	2	5	6
2022-07-27 18:00	0.15	0.65	2.92	3.59	1	5	6
2022-07-27 19:00	0.13	0.6	2.59	2.87	1	4	5
2022-07-27 20:00	0.09	0.5	2.14	2.38	1	3	4
2022-07-27 21:00	0.07	0.45	2.01	2.2	1	3	3
2022-07-27 22:00	0.08	0.45	1.88	1.97	1	3	3
2022-07-27 23:00	0.09	0.47	2.1	2.15	1	3	3
2022-07-28 00:00	0.12	0.5	2.01	2.06	1	3	3
2022-07-28 01:00	0.15	0.57	2.12	2.17	1	3	3
2022-07-28 02:00	0.19	0.62	2.14	2.24	1	3	4
2022-07-28 03:00	0.18	0.57	1.99	1.99	1	3	3
2022-07-28 04:00	0.17	0.49	1.72	1.72	1	3	3
2022-07-28 05:00	0.19	0.43	1.42	1.52	1	2	2
2022-07-28 06:00	0.22	0.44	1.26	1.26	1	2	2
2022-07-28 07:00	0.3	0.53	1.34	1.49	1	2	2
2022-07-28 08:00	0.36	0.57	1.26	1.83	1	2	3
2022-07-28 09:00	0.23	0.39	0.97	1.46	1	2	2
2022-07-28 10:00	0.19	0.33	0.98	1.55	1	2	2
2022-07-28 11:00	0.16	0.34	0.95	1.18	1	1	2
2022-07-28 12:00	0.18	0.37	1.11	2.12	1	2	3
2022-07-28 13:00	0.18	0.35	1.13	1.94	1	2	3
2022-07-28 14:00	0.24	0.4	1.2	2.26	1	2	4
2022-07-28 15:00	0.34	0.52	1.36	1.55	1	2	2
2022-07-28 16:00	0.58	0.8	1.69	2.31	1	3	4
2022-07-28 17:00	0.47	0.7	1.6	2.13	1	3	3
2022-07-28 18:00	0.5	0.77	1.75	1.89	1	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-28 19:00	0.75	1.06	2.21	2.4	2	3	4
2022-07-28 20:00	1.16	1.53	2.77	2.87	2	4	5
2022-07-28 21:00	1.4	1.83	3.21	3.3	3	5	5
2022-07-28 22:00	1.45	1.95	3.48	3.76	3	5	6
2022-07-28 23:00	1.43	1.98	3.63	3.63	3	6	6
2022-07-29 00:00	1.58	2.17	3.93	3.93	3	6	6
2022-07-29 01:00	1.36	1.94	3.76	3.76	3	6	6
2022-07-29 02:00	1.35	1.95	3.79	3.79	3	6	6
2022-07-29 03:00	1.23	1.84	3.8	3.8	3	6	6
2022-07-29 04:00	1.14	1.74	3.55	3.55	3	6	6
2022-07-29 05:00	1.09	1.66	3.37	3.42	3	5	5
2022-07-29 06:00	1.23	1.77	3.32	3.32	3	5	5
2022-07-29 07:00	1.24	1.81	3.37	3.46	3	5	5
2022-07-29 08:00	1.22	1.73	3.04	3.24	3	5	5
2022-07-29 09:00	1.22	1.62	2.58	2.67	3	4	4
2022-07-29 10:00	1.37	1.71	2.59	2.69	3	4	4
2022-07-29 11:00	1.52	1.86	3.04	3.94	3	5	6
2022-07-29 12:00	1.46	1.73	2.53	2.82	3	4	4
2022-07-29 13:00	1.34	1.59	2.27	2.56	3	4	4
2022-07-29 14:00	1.18	1.4	2.07	2.84	2	3	4
2022-07-29 15:00	1.23	1.46	2.18	2.46	2	3	4
2022-07-29 16:00	1.4	1.66	2.42	2.52	3	4	4
2022-07-29 17:00	1.49	1.76	2.65	3.46	3	4	5
2022-07-29 18:00	1.6	1.91	2.95	3.49	3	5	5
2022-07-29 19:00	1.69	2.09	3.38	3.85	3	5	6
2022-07-29 20:00	1.69	2.53	5.68	5.87	4	9	9
2022-07-29 21:00	1.72	2.55	5.67	5.9	4	9	9
2022-07-29 22:00	1.78	2.82	6.3	6.49	4	10	10
2022-07-29 23:00	1.88	2.98	6.5	6.84	5	10	11
2022-07-30 00:00	1.88	2.77	5.61	6.28	4	9	10
2022-07-30 01:00	1.75	2.85	6.44	6.97	4	10	11
2022-07-30 02:00	1.76	2.99	6.62	6.91	5	10	11
2022-07-30 03:00	1.8	3.07	6.9	7.48	5	11	12
2022-07-30 04:00	1.76	3.08	7.06	7.88	5	11	12
2022-07-30 05:00	1.73	3.05	6.8	7.37	5	11	12
2022-07-30 06:00	1.7	2.88	6.34	7.31	5	10	11
2022-07-30 07:00	1.55	2.6	5.76	6.78	4	9	11
2022-07-30 08:00	1.45	2.49	5.95	7.47	4	9	12
2022-07-30 09:00	1.37	2.49	6.46	8.19	4	10	13
2022-07-30 10:00	1.35	2.6	7.13	9.75	4	11	15
2022-07-30 11:00	1.52	2.77	7.09	9	4	11	14
2022-07-30 12:00	1.77	3	7.23	9.34	5	11	15
2022-07-30 13:00	2.44	3.72	7.8	9.78	6	12	15
2022-07-30 14:00	3.22	4.49	8.38	10.04	7	13	16
2022-07-30 15:00	3.68	4.92	8.63	9.79	8	14	15
2022-07-30 16:00	3.86	5.96	10.77	12.49	9	17	20
2022-07-30 17:00	3.6	5.17	8.67	9.2	8	14	14
2022-07-30 18:00	3.93	5.47	8.28	8.37	9	13	13
2022-07-30 19:00	3.78	5.53	9.11	9.15	9	14	14
2022-07-30 20:00	3.29	4.91	8.3	8.44	8	13	13
2022-07-30 21:00	2.97	4.32	7.08	7.18	7	11	11

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-07-30 22:00	2.75	3.9	6.69	6.98	6	11	11
2022-07-30 23:00	2.97	4.37	7.87	8.16	7	12	13
2022-07-31 00:00	1.87	2.62	5.35	5.49	4	8	9
2022-07-31 01:00	1.27	1.91	4.55	4.69	3	7	7
2022-07-31 02:00	0.61	0.99	2.78	2.92	2	4	5
2022-07-31 03:00	0.41	0.82	2.64	2.83	1	4	4
2022-07-31 04:00	0.47	0.91	2.74	3.03	1	4	5
2022-07-31 05:00	0.7	1.06	2.85	3.09	2	4	5
2022-07-31 06:00	3.55	4.46	6.37	6.47	7	10	10
2022-07-31 07:00	3.14	4.29	6.65	6.89	7	10	11
2022-07-31 08:00	1.83	2.47	4.32	4.7	4	7	7
2022-07-31 09:00	2.01	2.56	3.6	3.75	4	6	6
2022-07-31 10:00	2.67	3.29	4.35	4.55	5	7	7
2022-07-31 11:00	2.43	2.97	3.96	3.96	5	6	6
2022-07-31 12:00	1.47	1.8	2.71	2.71	3	4	4
2022-07-31 13:00	1	1.25	2.61	2.85	2	4	4
2022-07-31 14:00	2.1	2.82	4.55	4.7	4	7	7
2022-07-31 15:00	0.52	0.79	2.08	2.17	1	3	3
2022-07-31 16:00	0.31	0.58	1.81	2.1	1	3	3
2022-07-31 17:00	0.33	0.61	1.96	2.08	1	3	3
2022-07-31 18:00	0.4	0.72	2.03	2.11	1	3	3
2022-07-31 19:00	0.48	0.85	2.34	2.44	1	4	4
2022-07-31 20:00	0.65	1.09	2.67	2.72	2	4	4
2022-07-31 21:00	0.42	0.82	2.43	2.48	1	4	4
2022-07-31 22:00	0.44	0.87	2.73	2.78	1	4	4
2022-07-31 23:00	0.38	0.82	2.83	2.83	1	4	4
2022-08-01 00:00	0.42	0.88	2.76	2.76	1	4	4
2022-08-01 01:00	0.56	1.05	2.8	2.85	2	4	4
2022-08-01 02:00	0.72	1.2	2.92	3.01	2	5	5
2022-08-01 03:00	0.75	1.33	3.46	3.52	2	5	6
2022-08-01 04:00	0.75	1.28	3.41	3.53	2	5	6
2022-08-01 05:00	0.79	1.22	3.09	3.14	2	5	5
2022-08-01 06:00	0.69	1.03	2.42	2.57	2	4	4
2022-08-01 07:00	0.6	0.95	1.99	2.01	1	3	3
2022-08-01 08:00	0.63	1	1.91	2.08	2	3	3
2022-08-01 09:00	0.64	1.03	2.02	2.02	2	3	3
2022-08-01 10:00	0.66	1.02	2.12	2.43	2	3	4
2022-08-01 11:00	0.76	1.11	2.45	2.77	2	4	4
2022-08-01 12:00	0.82	1.15	2.46	2.46	2	4	4
2022-08-01 13:00	0.86	1.17	2.42	2.8	2	4	4
2022-08-01 14:00	0.93	1.23	2.26	2.45	2	4	4
2022-08-01 15:00	1.01	1.38	2.62	2.81	2	4	4
2022-08-01 16:00	1.05	1.45	2.95	3.09	2	5	5
2022-08-01 17:00	1.08	1.72	3.92	4.07	3	6	6
2022-08-01 18:00	1.07	2.35	8.02	8.22	4	13	13
2022-08-01 19:00	1.11	2.45	8.63	8.68	4	14	14
2022-08-01 20:00	1.13	2.3	7.43	7.62	4	12	12
2022-08-01 21:00	1.23	2.95	10.73	10.83	5	17	17
2022-08-01 22:00	1.23	2.93	10.77	10.96	5	17	17
2022-08-01 23:00	1.25	2.94	10.96	11.2	5	17	18
2022-08-02 00:00	1.23	3.01	11.05	11.24	5	17	18

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-08-02 01:00	1.29	3.23	12.86	13	5	20	20
2022-08-02 02:00	1.3	3.09	11.74	11.98	5	18	19
2022-08-02 03:00	1.29	2.9	10.87	10.87	5	17	17
2022-08-02 04:00	1.36	2.64	8.7	8.79	4	14	14
2022-08-02 05:00	1.22	1.47	4.42	15.17	2	7	24
2022-08-02 06:00	1.22	1.33	2.51	6.84	2	4	11
2022-08-02 07:00	0.99	1.08	2.28	7.4	2	4	12
2022-08-02 08:00	1.83	2.08	2.87	3.1	3	5	5
2022-08-02 09:00	1.84	2.17	3.09	3.39	3	5	5
2022-08-02 10:00	1.86	2.2	3.19	3.4	3	5	5
2022-08-02 11:00	1.95	2.27	3.39	3.82	4	5	6
2022-08-02 12:00	2.25	2.56	3.65	4.56	4	6	7
2022-08-02 13:00	3.96	4.35	5.4	6.19	7	8	10
2022-08-02 14:00	5.93	6.47	7.74	8.46	10	12	13
2022-08-02 15:00	5.71	6.25	7.67	8.44	10	12	13
2022-08-02 16:00	5.62	6.24	7.91	8.32	10	12	13
2022-08-02 17:00	4.05	4.7	6.57	7.21	7	10	11
2022-08-02 18:00	3.55	4.18	6.19	6.62	7	10	10
2022-08-02 19:00	4.18	4.88	7.29	7.6	8	11	12
2022-08-02 20:00	3.37	4.11	6.69	7.76	6	11	12
2022-08-02 21:00	3.1	4.26	7.72	8.51	7	12	13
2022-08-02 22:00	3	4.38	7.37	7.63	7	12	12
2022-08-02 23:00	2.95	4.24	7.72	8.1	7	12	13
2022-08-03 00:00	2.77	3.82	6.82	7.01	6	11	11
2022-08-03 01:00	2.52	3.45	6.12	6.31	5	10	10
2022-08-03 02:00	3.44	4.52	7.76	8.03	7	12	13
2022-08-03 03:00	4.62	5.64	8.44	8.65	9	13	14
2022-08-03 04:00	3.52	4.41	7	7.19	7	11	11
2022-08-03 05:00	0.71	1.38	3.89	3.89	2	6	6
2022-08-03 06:00	0.43	0.87	2.98	3.07	1	5	5
2022-08-03 07:00	1.13	1.72	3.59	3.64	3	6	6
2022-08-03 08:00	1.21	1.69	3.09	3.13	3	5	5
2022-08-03 09:00	1.34	1.74	3.18	3.33	3	5	5
2022-08-03 10:00	1.23	1.61	3.17	3.65	3	5	6
2022-08-03 11:00	1.32	1.66	2.98	3.17	3	5	5
2022-08-03 12:00	1.21	1.55	2.87	3.11	2	5	5
2022-08-03 13:00	1.2	1.52	2.96	3.68	2	5	6
2022-08-03 14:00	1.13	1.41	2.8	3.81	2	4	6
2022-08-03 15:00	1.08	1.34	2.61	3.04	2	4	5
2022-08-03 16:00	0.96	1.24	2.49	2.82	2	4	4
2022-08-03 17:00	0.88	1.13	2.29	2.7	2	4	4
2022-08-03 18:00	0.74	1	2.28	2.51	2	4	4
2022-08-03 19:00	0.54	0.82	2.23	2.39	1	4	4
2022-08-03 20:00	0.44	1.13	4.49	4.81	2	7	8
2022-08-03 21:00	0.4	1.37	6.35	6.6	2	10	10
2022-08-03 22:00	0.4	1.42	6.45	6.6	2	10	10
2022-08-03 23:00	0.44	1.36	5.98	6.22	2	9	10
2022-08-04 00:00	0.47	1.36	5.92	6.1	2	9	10
2022-08-04 01:00	0.48	1.61	7.25	7.61	3	11	12
2022-08-04 02:00	0.49	1.51	6.25	6.52	2	10	10
2022-08-04 03:00	0.5	1.46	6.17	6.36	2	10	10

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-08-04 04:00	0.5	1.41	6.14	6.24	2	10	10
2022-08-04 05:00	0.48	1.4	6.17	6.54	2	10	10
2022-08-04 06:00	0.47	1.24	5.22	5.28	2	8	8
2022-08-04 07:00	0.48	0.88	2.44	2.68	1	4	4
2022-08-04 08:00	0.46	0.75	1.88	2.02	1	3	3
2022-08-04 09:00	0.44	0.65	1.5	1.74	1	2	3
2022-08-04 10:00	0.5	0.69	1.49	1.63	1	2	3
2022-08-04 11:00	0.61	0.82	1.58	1.82	1	2	3
2022-08-04 12:00	0.66	0.87	1.61	1.9	1	3	3
2022-08-04 13:00	0.68	0.89	1.66	2	1	3	3
2022-08-04 14:00	0.7	1.01	2.34	2.77	2	4	4
2022-08-04 15:00	0.79	1.14	2.62	3.15	2	4	5
2022-08-04 16:00	0.88	1.24	2.65	2.89	2	4	5
2022-08-04 17:00	0.95	1.33	2.76	3	2	4	5
2022-08-04 18:00	0.95	1.29	2.56	2.75	2	4	4
2022-08-04 19:00	1.01	1.5	3.05	3.19	2	5	5
2022-08-04 20:00	1.09	1.74	3.47	3.62	3	5	6
2022-08-04 21:00	0.92	1.34	2.91	3.15	2	5	5
2022-08-04 22:00	0.89	1.39	3.22	3.46	2	5	5
2022-08-04 23:00	0.86	1.31	3.02	3.36	2	5	5
2022-08-05 00:00	0.86	1.27	2.89	3.42	2	5	5
2022-08-05 01:00	0.87	1.31	2.92	3.11	2	5	5
2022-08-05 02:00	0.96	1.47	3.35	3.64	2	5	6
2022-08-05 03:00	1.11	1.65	3.93	4.74	3	6	7
2022-08-05 04:00	1.3	1.88	4.21	4.91	3	7	8
2022-08-05 05:00	1.47	2.09	4.42	5.64	3	7	9
2022-08-05 06:00	1.58	2.23	4.71	5.81	4	7	9
2022-08-05 07:00	2.22	3.36	5.79	6.41	5	9	10
2022-08-05 08:00	2.13	3.12	5.01	5.34	5	8	8
2022-08-05 09:00	1.94	2.67	4.69	5.13	4	7	8
2022-08-05 10:00	1.91	2.69	5.13	5.57	4	8	9
2022-08-05 11:00	2.07	3.03	6.08	7.04	5	10	11
2022-08-05 12:00	2.48	3.78	7.8	9.57	6	12	15
2022-08-05 13:00	2.82	4.39	8.98	10.85	7	14	17
2022-08-05 14:00	3	4.73	9.24	11.54	7	15	18
2022-08-05 15:00	3.14	5.02	9.88	11.08	8	16	17
2022-08-05 16:00	3.64	5.68	10.98	12.51	9	17	20
2022-08-05 17:00	3.87	6.32	12.73	14.69	10	20	23
2022-08-05 18:00	3.87	6.53	13.58	14.92	10	21	23
2022-08-05 19:00	3.71	6.25	12.87	14.64	10	20	23
2022-08-05 20:00	3.4	6.55	15.85	17.34	10	25	27
2022-08-05 21:00	3.44	6.29	14.59	15.46	10	23	24
2022-08-05 22:00	2.42	4.42	10.92	11.74	7	17	18
2022-08-05 23:00	1.95	3.71	9.73	10.98	6	15	17
2022-08-06 00:00	1.53	2.86	7.82	9.83	4	12	15
2022-08-06 01:00	1.67	3.31	9.37	11.39	5	15	18
2022-08-06 02:00	1.57	2.96	8.15	10.5	5	13	17
2022-08-06 03:00	1.13	2.49	7.86	10.26	4	12	16
2022-08-06 04:00	0.69	1.86	6.81	9.78	3	11	15
2022-08-06 05:00	0.37	1.41	6.05	8.88	2	10	14
2022-08-06 06:00	0.25	1.11	4.8	7.1	2	8	11

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-08-06 07:00	0.14	0.5	2.35	4.37	1	4	7
2022-08-06 08:00	0.15	0.5	2.04	3.43	1	3	5
2022-08-06 09:00	0.2	0.6	2.18	3.63	1	3	6
2022-08-06 10:00	0.07	0.22	0.93	1.56	0	1	2
2022-08-06 11:00	0.06	0.17	0.85	1.33	0	1	2
2022-08-06 12:00	0.05	0.16	0.9	1.48	0	1	2
2022-08-06 13:00	0.06	0.17	0.88	1.31	0	1	2
2022-08-06 14:00	0.07	0.17	0.69	1.08	0	1	2
2022-08-06 15:00	0.11	0.22	0.84	1.51	0	1	2
2022-08-06 16:00	0.12	0.22	0.77	1.35	0	1	2
2022-08-06 17:00	0.16	0.27	0.86	1.19	0	1	2
2022-08-06 18:00	0.17	0.29	0.86	1.1	0	1	2
2022-08-06 19:00	0.19	0.37	1.36	1.7	1	2	3
2022-08-06 20:00	0.16	0.5	2.95	3.09	1	5	5
2022-08-06 21:00	0.18	0.52	2.63	2.82	1	4	4
2022-08-06 22:00	0.25	0.7	3.4	3.54	1	5	6
2022-08-06 23:00	0.27	0.81	3.86	3.96	1	6	6
2022-08-07 00:00	0.27	0.85	4.27	4.46	1	7	7
2022-08-07 01:00	0.26	0.8	3.98	4.07	1	6	6
2022-08-07 02:00	0.27	0.89	4.34	4.68	1	7	7
2022-08-07 03:00	0.27	0.83	3.92	4.06	1	6	6
2022-08-07 04:00	0.24	0.94	4.85	5.04	1	8	8
2022-08-07 05:00	0.3	0.89	4.03	4.07	1	6	6
2022-08-07 06:00	0.82	1.58	4.25	4.39	2	7	7
2022-08-07 07:00	0.17	0.39	1.24	1.35	1	2	2
2022-08-07 08:00	0.17	0.29	0.78	0.96	0	1	2
2022-08-07 09:00	0.19	0.31	0.66	0.8	0	1	1
2022-08-07 10:00	0.21	0.32	0.61	0.76	1	1	1
2022-08-07 11:00	0.22	0.32	0.6	0.75	1	1	1
2022-08-07 12:00	0.23	0.33	0.59	0.64	1	1	1
2022-08-07 13:00	0.24	0.34	0.62	0.77	1	1	1
2022-08-07 14:00	0.23	0.36	0.8	1.12	1	1	2
2022-08-07 15:00	0.24	0.43	1.18	1.76	1	2	3
2022-08-07 16:00	0.24	0.42	1.03	1.27	1	2	2
2022-08-07 17:00	0.25	0.45	1.17	1.65	1	2	3
2022-08-07 18:00	0.28	0.57	1.77	2.2	1	3	3
2022-08-07 19:00	0.29	0.78	3.04	3.33	1	5	5
2022-08-07 20:00	0.27	0.93	3.65	3.89	1	6	6
2022-08-07 21:00	0.26	0.79	3.14	3.23	1	5	5
2022-08-07 22:00	0.29	0.85	3.23	3.44	1	5	5
2022-08-07 23:00	0.33	0.97	3.35	3.39	2	5	5
2022-08-08 00:00	0.48	1.19	3.79	3.93	2	6	6
2022-08-08 01:00	1.5	2.45	5.42	5.46	4	9	9
2022-08-08 02:00	1.28	2.22	5.52	5.86	3	9	9
2022-08-08 03:00	3.29	4.78	7.86	8.05	8	12	13
2022-08-08 04:00	4.84	6.9	9.72	9.77	11	15	15
2022-08-08 05:00	4.14	5.97	8.45	8.5	9	13	13
2022-08-08 06:00	2.65	3.95	6.31	6.45	6	10	10
2022-08-08 07:00	0.46	0.94	2.72	3.08	1	4	5
2022-08-08 08:00	0.44	0.97	2.99	4.17	2	5	7
2022-08-08 09:00	0.46	1.06	3.27	4.44	2	5	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-08-08 10:00	0.51	1.19	3.54	4.63	2	6	7
2022-08-08 11:00	0.89	1.66	4.35	5.46	3	7	9
2022-08-08 12:00	1.53	2.43	5.34	6.78	4	8	11
2022-08-08 13:00	1.59	2.59	5.6	7.17	4	9	11
2022-08-08 14:00	1.57	2.72	6.07	8.71	4	10	14
2022-08-08 15:00	1.63	2.82	6	7.3	4	9	11
2022-08-08 16:00	1.63	2.7	5.57	7.2	4	9	11
2022-08-08 17:00	1.63	2.65	5.44	6.83	4	9	11
2022-08-08 18:00	1.68	2.7	5.4	6.51	4	8	10
2022-08-08 19:00	1.75	2.73	5.26	6.22	4	8	10
2022-08-08 20:00	1.99	2.99	5.57	6.08	5	9	10
2022-08-08 21:00	2.25	3.29	5.85	6.63	5	9	10
2022-08-08 22:00	2.44	3.58	6.21	6.72	6	10	11
2022-08-08 23:00	2.42	3.55	6.32	7.31	6	10	11
2022-08-09 00:00	2.27	3.39	6.3	7.59	5	10	12
2022-08-09 01:00	2.1	3.28	6.43	7.45	5	10	12
2022-08-09 02:00	1.92	3.08	6.3	7.35	5	10	12
2022-08-09 03:00	1.78	2.93	6.03	7.76	5	9	12
2022-08-09 04:00	1.71	2.9	6.05	7.73	5	10	12
2022-08-09 05:00	1.78	2.93	6.03	7.81	5	9	12
2022-08-09 06:00	1.84	2.96	6.06	8.46	5	10	13
2022-08-09 07:00	1.92	3.07	6.3	7.48	5	10	12
2022-08-09 08:00	2.05	3.29	6.8	8.91	5	11	14
2022-08-09 09:00	2.09	3.37	6.83	8.46	5	11	13
2022-08-09 10:00	1.65	2.54	5.94	11.61	4	9	18
2022-08-09 11:00	0.81	1.3	4.08	9.68	2	6	15
2022-08-09 12:00	0.34	0.74	3.88	8.88	1	6	14
2022-08-09 13:00	0.32	0.66	3.02	7.17	1	5	11
2022-08-09 14:00	0.42	0.68	1.88	3.23	1	3	5
2022-08-09 15:00	0.46	0.68	1.64	2.66	1	3	4
2022-08-09 16:00	0.43	0.67	1.66	2.63	1	3	4
2022-08-09 17:00	0.44	0.69	1.65	2.37	1	3	4
2022-08-09 18:00	0.48	0.77	1.8	2.53	1	3	4
2022-08-09 19:00	0.47	0.77	1.77	2.54	1	3	4
2022-08-09 20:00	0.46	0.75	1.84	2.64	1	3	4
2022-08-09 21:00	0.39	0.7	1.84	1.98	1	3	3
2022-08-09 22:00	0.33	0.84	2.84	3.18	1	4	5
2022-08-09 23:00	0.34	0.98	3.56	3.9	2	6	6
2022-08-10 00:00	0.31	0.81	3.74	5.22	1	6	8
2022-08-10 01:00	0.31	0.63	1.84	2.22	1	3	3
2022-08-10 02:00	0.45	0.74	1.84	2.32	1	3	4
2022-08-10 03:00	0.72	1.24	2.58	3.11	2	4	5
2022-08-10 04:00	0.64	1.03	2.19	2.38	2	3	4
2022-08-10 05:00	0.48	0.81	1.82	1.92	1	3	3
2022-08-10 06:00	0.45	0.73	1.56	1.66	1	2	3
2022-08-10 07:00	0.53	0.81	1.6	1.79	1	3	3
2022-08-10 08:00	0.37	0.61	1.47	1.83	1	2	3
2022-08-10 09:00	0.25	0.46	1.14	1.31	1	2	2
2022-08-10 10:00	0.22	0.42	1.09	1.23	1	2	2
2022-08-10 11:00	0.21	0.44	1.01	1.21	1	2	2
2022-08-10 12:00	0.17	0.35	0.98	1.32	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-08-10 13:00	0.19	0.36	0.96	1.29	1	2	2
2022-08-10 14:00	0.4	0.59	1.37	1.82	1	2	3
2022-08-10 15:00	0.64	0.88	1.96	3.3	1	3	5
2022-08-10 16:00	0.66	0.92	1.88	2.53	1	3	4
2022-08-10 17:00	0.74	1.04	1.95	2.91	2	3	5
2022-08-10 18:00	0.82	1.14	2.01	2.63	2	3	4
2022-08-10 19:00	0.86	1.2	2.03	2.32	2	3	4
2022-08-10 20:00	0.82	1.36	3.7	3.98	2	6	6
2022-08-10 21:00	0.8	1.44	3.92	4.01	2	6	6
2022-08-10 22:00	0.81	1.54	4.42	4.47	2	7	7
2022-08-10 23:00	0.82	1.54	4.49	4.68	2	7	7
2022-08-11 00:00	0.82	1.51	4.25	4.39	2	7	7
2022-08-11 01:00	0.85	1.53	4.28	4.28	2	7	7
2022-08-11 02:00	0.87	1.56	4.37	4.46	2	7	7
2022-08-11 03:00	0.91	1.63	4.63	4.72	3	7	7
2022-08-11 04:00	0.97	1.67	4.68	4.92	3	7	8
2022-08-11 05:00	0.97	1.69	4.78	4.97	3	8	8
2022-08-11 06:00	1.22	1.89	4.2	4.39	3	7	7
2022-08-11 07:00	1.04	1.39	2.65	2.89	2	4	5
2022-08-11 08:00	1.02	1.25	1.89	2.04	2	3	3
2022-08-11 09:00	1.12	1.4	1.98	2.32	2	3	4
2022-08-11 10:00	1.26	1.57	2.03	2.33	2	3	4
2022-08-11 11:00	0.96	1.12	1.48	1.62	2	2	3
2022-08-11 12:00	0.99	1.15	1.5	1.69	2	2	3
2022-08-11 13:00	0.98	1.21	4.28	10.79	2	7	17
2022-08-11 14:00	1	1.15	1.57	2	2	2	3
2022-08-11 15:00	1.01	1.17	1.56	1.87	2	2	3
2022-08-11 16:00	1.02	1.34	2.38	3.21	2	4	5
2022-08-11 17:00	1.1	1.64	3.62	5.05	3	6	8
2022-08-11 18:00	1.19	2.14	5.03	6.18	3	8	10
2022-08-11 19:00	1.23	2.42	6.12	7.41	4	10	12
2022-08-11 20:00	1.06	1.76	5.02	5.35	3	8	8
2022-08-11 21:00	1.05	1.68	4.13	4.32	3	6	7
2022-08-11 22:00	1.1	1.64	3.87	3.92	3	6	6
2022-08-11 23:00	1.2	1.92	4.44	4.59	3	7	7
2022-08-12 00:00	1.36	2.01	3.82	3.92	3	6	6
2022-08-12 01:00	1.41	2.08	4.18	4.33	3	7	7
2022-08-12 02:00	1.47	2.07	3.84	3.98	3	6	6
2022-08-12 03:00	1.49	2.1	3.95	4.09	3	6	6
2022-08-12 04:00	1.51	2.07	3.73	3.73	3	6	6
2022-08-12 05:00	1.51	2.13	4.06	4.11	3	6	6
2022-08-12 06:00	1.42	2.04	4.06	4.25	3	6	7
2022-08-12 07:00	1.39	1.86	3.34	3.72	3	5	6
2022-08-12 08:00	1.5	1.88	3.05	3.61	3	5	6
2022-08-12 09:00	1.42	1.75	2.81	3.66	3	4	6
2022-08-12 10:00	1.2	1.54	2.61	3.28	2	4	5
2022-08-12 11:00	1.01	1.4	2.75	3.95	2	4	6
2022-08-12 12:00	0.96	1.37	2.71	3.28	2	4	5
2022-08-12 13:00	1.07	1.44	2.65	3.13	2	4	5
2022-08-12 14:00	1.33	1.63	2.61	3.12	3	4	5
2022-08-12 15:00	0.91	1.14	1.96	2.6	2	3	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-08-12 16:00	0.77	1.08	2.18	2.66	2	3	4
2022-08-12 17:00	0.84	1.18	2.55	3.22	2	4	5
2022-08-12 18:00	0.85	1.3	3.24	3.39	2	5	5
2022-08-12 19:00	0.88	1.52	4.83	5.52	2	8	9
2022-08-12 20:00	0.99	2.38	10.26	11.73	4	16	18
2022-08-12 21:00	1.17	2.39	8.21	9.17	4	13	14
2022-08-12 22:00	1.25	2.48	7.42	7.76	4	12	12
2022-08-12 23:00	1.21	2.39	7.1	7.34	4	11	12
2022-08-13 00:00	1.14	2.19	6.42	6.66	3	10	10
2022-08-13 01:00	1.31	2.29	6.12	6.51	4	10	10
2022-08-13 02:00	1.79	2.56	5.14	5.33	4	8	8
2022-08-13 03:00	1.98	2.68	4.73	5.02	4	7	8
2022-08-13 04:00	1.96	2.76	5.27	5.51	4	8	9
2022-08-13 05:00	1.99	2.89	4.59	4.73	5	7	7
2022-08-13 06:00	2.19	3.07	4.85	5.09	5	8	8
2022-08-13 07:00	2.32	3.89	16.77	35.49	6	26	56
2022-08-13 08:00	2.51	3.28	5.71	6.91	5	9	11
2022-08-13 09:00	2.54	3.18	4.75	5.18	5	7	8
2022-08-13 10:00	2.45	3.06	4.89	5.33	5	8	8
2022-08-13 11:00	2.27	2.86	4.54	4.96	4	7	8
2022-08-13 12:00	2.18	2.81	4.32	5	4	7	8
2022-08-13 13:00	1.97	2.64	5.26	7.84	4	8	12
2022-08-13 14:00	2.05	2.94	7.16	10.33	5	11	16
2022-08-13 15:00	2.21	3.01	4.59	5.25	5	7	8
2022-08-13 16:00	2.16	3.02	5.87	8.08	5	9	13
2022-08-13 17:00	2.16	3.17	7.41	11.82	5	12	19
2022-08-13 18:00	2.05	3	5.26	5.5	5	8	9
2022-08-13 19:00	1.9	2.79	5.96	10.02	4	9	16
2022-08-13 20:00	1.95	3.23	6.03	6.57	5	9	10
2022-08-13 21:00	1.26	1.99	3.68	4.16	3	6	7
2022-08-13 22:00	1.37	2.19	5.95	6.43	3	9	10
2022-08-13 23:00	1.36	2.5	6.64	6.69	4	10	11
2022-08-14 00:00	1.42	2.89	8.05	8.33	5	13	13
2022-08-14 01:00	2.3	4.33	12.25	12.55	7	19	20
2022-08-14 02:00	3.42	5.15	11.08	11.08	8	17	17
2022-08-14 03:00	2.55	3.71	7.58	7.68	6	12	12
2022-08-14 04:00	1.43	1.94	4.13	5.81	3	6	9
2022-08-14 05:00	1.75	2.1	3.13	3.51	3	5	6
2022-08-14 06:00	1.89	2.52	4.73	4.82	4	7	8
2022-08-14 07:00	1.94	2.4	3.78	3.83	4	6	6
2022-08-14 08:00	1.97	2.34	2.98	3.24	4	5	5
2022-08-14 09:00	2.41	2.79	3.5	3.55	4	6	6
2022-08-14 10:00	2.5	2.88	3.57	3.72	5	6	6
2022-08-14 11:00	2.41	2.81	3.76	3.89	4	6	6
2022-08-14 12:00	2.32	2.74	3.7	3.86	4	6	6
2022-08-14 13:00	2.31	2.72	3.69	3.86	4	6	6
2022-08-14 14:00	2.65	3.14	4.45	4.45	5	7	7
2022-08-14 15:00	2.48	2.93	3.88	3.97	5	6	6
2022-08-14 16:00	2.53	3.04	4.17	4.31	5	7	7
2022-08-14 17:00	2.45	2.99	4.5	4.78	5	7	8
2022-08-14 18:00	2.23	2.79	4.21	4.5	4	7	7

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-08-14 19:00	2.33	2.93	4.61	4.75	5	7	7
2022-08-14 20:00	2.69	3.4	5.27	5.37	5	8	8
2022-08-14 21:00	3	3.72	5.59	5.64	6	9	9
2022-08-14 22:00	3.15	3.94	6.06	6.11	6	10	10
2022-08-14 23:00	3.3	4.29	6.85	6.99	7	11	11
2022-08-15 00:00	3.42	4.44	7.5	7.65	7	12	12
2022-08-15 01:00	3.29	4.07	6.1	6.24	6	10	10
2022-08-15 02:00	2.98	3.9	6.79	6.84	6	11	11
2022-08-15 03:00	2.77	3.88	7.79	7.93	6	12	12
2022-08-15 04:00	2.64	3.52	6.53	6.58	6	10	10
2022-08-15 05:00	2.47	3.31	5.88	5.93	5	9	9
2022-08-15 06:00	2.52	3.37	5.95	5.95	5	9	9
2022-08-15 07:00	2.16	2.97	5.23	5.32	5	8	8
2022-08-15 08:00	2	2.74	4.66	4.8	4	7	8
2022-08-15 09:00	2.09	2.73	4.26	4.5	4	7	7
2022-08-15 10:00	2.2	2.76	4.15	4.44	4	7	7
2022-08-15 11:00	2.1	2.61	3.86	4.19	4	6	7
2022-08-15 12:00	1.93	2.4	3.6	3.74	4	6	6
2022-08-15 13:00	1.79	2.16	3.18	3.37	3	5	5
2022-08-15 14:00	1.72	2.12	3.16	3.54	3	5	6
2022-08-15 15:00	1.66	2.04	3.13	3.37	3	5	5
2022-08-15 16:00	1.67	2.05	3.12	3.27	3	5	5
2022-08-15 17:00	1.7	2.06	3.01	3.34	3	5	5
2022-08-15 18:00	1.6	2.01	3.23	3.57	3	5	6
2022-08-15 19:00	1.5	2.73	7.3	7.68	4	11	12
2022-08-15 20:00	1.44	3.41	10.36	10.6	5	16	17
2022-08-15 21:00	1.29	3.51	11.03	11.46	6	17	18
2022-08-15 22:00	1.33	3.25	9.6	9.94	5	15	16
2022-08-15 23:00	1.45	2.79	7.2	7.49	4	11	12
2022-08-16 00:00	1.66	2.47	4.91	5.15	4	8	8
2022-08-16 01:00	1.71	2.43	4.6	4.89	4	7	8
2022-08-16 02:00	1.5	2.14	4.14	4.48	3	7	7
2022-08-16 03:00	1.33	1.91	3.72	3.76	3	6	6
2022-08-16 04:00	1.37	1.99	3.86	4.01	3	6	6
2022-08-16 05:00	1.49	2.15	4.05	4.24	3	6	7
2022-08-16 06:00	1.64	2.3	4.2	4.4	4	7	7
2022-08-16 07:00	1.77	2.38	4.03	4.22	4	6	7
2022-08-16 08:00	1.92	2.51	4.16	4.35	4	7	7
2022-08-16 09:00	1.92	2.52	4.21	4.59	4	7	7
2022-08-16 10:00	1.96	2.52	4.12	4.37	4	6	7
2022-08-16 11:00	1.69	2.19	3.66	4.04	3	6	6
2022-08-16 12:00	1.49	1.96	3.44	3.73	3	5	6
2022-09-01 00:00	0.19	0.59	2.58	2.77	1	4	4
2022-09-01 01:00	0.19	0.6	2.63	2.87	1	4	5
2022-09-01 02:00	0.2	0.62	2.68	2.79	1	4	4
2022-09-01 03:00	0.22	0.55	1.84	2.13	1	3	3
2022-09-01 04:00	0.23	0.45	1.33	1.56	1	2	2
2022-09-01 05:00	0.23	0.43	1.19	1.52	1	2	2
2022-09-01 06:00	0.26	0.46	1.2	1.64	1	2	3
2022-09-01 07:00	0.26	0.46	1.31	1.59	1	2	3
2022-09-01 08:00	0.28	0.51	1.45	1.93	1	2	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-01 09:00	0.41	0.67	1.63	2.3	1	3	4
2022-09-01 10:00	0.79	1.13	2.27	3.23	2	4	5
2022-09-01 11:00	1.42	1.84	3.21	4.79	3	5	8
2022-09-01 12:00	1.52	2.02	3.83	5.48	3	6	9
2022-09-01 13:00	1.56	2.12	4.4	6.73	3	7	11
2022-09-01 14:00	1.44	1.97	3.94	5.94	3	6	9
2022-09-01 15:00	1.05	1.6	3.51	5.24	3	6	8
2022-09-01 16:00	0.96	1.59	3.69	4.65	3	6	7
2022-09-01 17:00	0.99	1.71	3.96	4.43	3	6	7
2022-09-01 18:00	1.08	2.02	4.81	5.96	3	8	9
2022-09-01 19:00	1.04	1.89	4.72	6.44	3	7	10
2022-09-01 20:00	1.12	2.12	5.41	6.99	3	9	11
2022-09-01 21:00	1.16	2.3	5.94	7.14	4	9	11
2022-09-01 22:00	1.09	2.6	7.31	8.88	4	11	14
2022-09-01 23:00	0.88	2.57	8.14	10.83	4	13	17
2022-09-02 00:00	0.82	2.4	7.46	9.75	4	12	15
2022-09-02 01:00	0.85	2.35	7.21	9.05	4	11	14
2022-09-02 02:00	0.89	2.47	7.62	9.9	4	12	16
2022-09-02 03:00	0.91	2.52	7.34	8.64	4	12	14
2022-09-02 04:00	0.98	2.61	7.27	8.31	4	11	13
2022-09-02 05:00	1.1	2.93	7.83	9.33	5	12	15
2022-09-02 06:00	1.61	3.38	7.02	8.76	5	11	14
2022-09-02 07:00	1.15	2.01	5.36	8.97	3	8	14
2022-09-02 08:00	0.4	0.96	3.76	8.44	2	6	13
2022-09-02 09:00	0.22	0.66	3.29	6.88	1	5	11
2022-09-02 11:00	0.1	0.43	2.42	6.09	1	4	10
2022-09-02 12:00	0.1	0.48	3.51	11.56	1	6	18
2022-09-02 13:00	0.09	0.44	3.04	9.48	1	5	15
2022-09-02 14:00	0.08	0.51	4.01	11.86	1	6	19
2022-09-02 15:00	0.08	0.57	4.48	11.16	1	7	18
2022-09-02 16:00	0.09	0.8	7.78	18.15	1	12	29
2022-09-02 17:00	0.1	0.46	3.48	9.63	1	5	15
2022-09-02 18:00	0.19	0.47	2.02	4.86	1	3	8
2022-09-02 19:00	0.19	0.38	1.41	2.12	1	2	3
2022-09-02 20:00	0.16	0.33	0.99	1.43	1	2	2
2022-09-02 21:00	0.15	0.36	1.26	2.07	1	2	3
2022-09-02 22:00	0.12	0.31	0.96	1.35	0	2	2
2022-09-02 23:00	0.11	0.29	0.81	1.1	0	1	2
2022-09-03 00:00	0.11	0.26	0.67	0.86	0	1	1
2022-09-03 01:00	0.1	0.22	0.54	0.87	0	1	1
2022-09-03 02:00	0.14	0.27	0.6	0.6	0	1	1
2022-09-03 03:00	0.42	0.69	1.08	1.08	1	2	2
2022-09-03 04:00	0.5	0.87	1.52	1.52	1	2	2
2022-09-03 05:00	0.5	0.95	2.08	2.08	1	3	3
2022-09-03 06:00	0.55	1.07	2.4	2.5	2	4	4
2022-09-03 07:00	0.61	1.1	1.91	1.91	2	3	3
2022-09-03 08:00	0.61	1.07	1.74	2.02	2	3	3
2022-09-03 09:00	0.63	1.07	1.95	2.57	2	3	4
2022-09-03 10:00	0.59	0.98	1.62	1.76	2	3	3
2022-09-03 11:00	0.56	0.89	1.38	1.58	1	2	2
2022-09-03 12:00	0.56	0.86	1.29	1.39	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-03 13:00	0.59	0.85	1.23	1.37	1	2	2
2022-09-03 14:00	0.65	0.88	1.2	1.49	1	2	2
2022-09-03 15:00	0.69	0.95	1.32	1.41	1	2	2
2022-09-03 16:00	0.74	0.99	1.37	1.56	2	2	2
2022-09-03 17:00	0.87	1.12	1.47	1.56	2	2	2
2022-09-03 18:00	0.96	1.36	2.16	2.45	2	3	4
2022-09-03 19:00	0.96	1.42	2.7	2.85	2	4	4
2022-09-03 20:00	1.48	2.15	4.34	4.63	3	7	7
2022-09-03 21:00	0.82	1.26	2.25	2.3	2	4	4
2022-09-03 22:00	0.68	1.03	1.94	1.99	2	3	3
2022-09-03 23:00	0.61	0.99	2.13	2.23	2	3	4
2022-09-04 00:00	0.59	0.91	1.68	1.97	1	3	3
2022-09-04 01:00	0.62	0.86	1.41	1.41	1	2	2
2022-09-04 02:00	0.59	0.83	1.35	1.59	1	2	3
2022-09-04 03:00	0.56	0.82	1.47	1.62	1	2	3
2022-09-04 04:00	0.54	0.81	1.56	1.6	1	2	3
2022-09-04 05:00	0.52	0.77	1.49	1.58	1	2	2
2022-09-04 06:00	0.49	0.72	1.38	1.67	1	2	3
2022-09-04 07:00	0.46	0.69	1.39	1.63	1	2	3
2022-09-04 08:00	0.38	0.57	1.12	1.27	1	2	2
2022-09-04 09:00	0.31	0.48	1.09	1.28	1	2	2
2022-09-04 10:00	0.25	0.42	1.13	1.37	1	2	2
2022-09-04 11:00	0.22	0.39	1.12	1.69	1	2	3
2022-09-04 12:00	0.21	0.38	1.06	1.69	1	2	3
2022-09-04 13:00	0.21	0.39	1.2	1.74	1	2	3
2022-09-04 14:00	0.21	0.4	1.15	1.54	1	2	2
2022-09-04 15:00	0.2	0.37	1.13	1.57	1	2	2
2022-09-04 16:00	0.2	0.38	1.09	1.47	1	2	2
2022-09-04 17:00	0.23	0.39	1.07	1.26	1	2	2
2022-09-04 18:00	0.28	0.55	1.51	1.7	1	2	3
2022-09-04 19:00	0.35	0.7	2.56	4.33	1	4	7
2022-09-04 20:00	0.87	1.75	9.9	18.67	3	16	29
2022-09-04 21:00	0.56	1.28	4.59	4.87	2	7	8
2022-09-04 22:00	0.48	1.02	2.68	2.92	2	4	5
2022-09-04 23:00	0.41	0.88	2.38	2.62	1	4	4
2022-09-05 00:00	0.44	0.87	2.15	2.15	1	3	3
2022-09-05 01:00	0.48	0.89	2.26	2.31	1	4	4
2022-09-05 02:00	0.48	0.89	2.63	2.86	1	4	4
2022-09-05 03:00	0.5	0.84	1.9	2.23	1	3	4
2022-09-05 04:00	0.49	0.85	1.92	2.06	1	3	3
2022-09-05 05:00	0.5	0.82	1.79	1.94	1	3	3
2022-09-05 06:00	0.53	0.85	1.88	2.32	1	3	4
2022-09-05 07:00	0.54	0.88	2.02	2.5	1	3	4
2022-09-05 08:00	0.53	0.92	2.33	2.62	1	4	4
2022-09-05 09:00	0.5	0.97	2.82	3.69	2	4	6
2022-09-05 10:00	0.52	1.1	3.44	4.34	2	5	7
2022-09-05 11:00	0.52	1.15	3.51	4.23	2	6	7
2022-09-05 12:00	0.52	1.17	3.38	4.24	2	5	7
2022-09-05 13:00	0.42	0.83	2.34	2.68	1	4	4
2022-09-05 14:00	0.39	0.78	2.17	2.6	1	3	4
2022-09-05 15:00	0.37	0.72	1.94	2.23	1	3	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-05 16:00	0.36	0.71	1.89	2.71	1	3	4
2022-09-05 17:00	0.34	0.65	1.85	2.23	1	3	4
2022-09-05 18:00	0.32	0.64	1.81	1.96	1	3	3
2022-09-05 19:00	0.35	0.7	1.87	2.13	1	3	3
2022-09-05 20:00	0.43	0.84	2.6	3.64	1	4	6
2022-09-05 21:00	0.53	0.96	2.64	3.3	2	4	5
2022-09-05 22:00	0.63	1.06	2.42	2.61	2	4	4
2022-09-05 23:00	0.7	1.14	2.51	2.6	2	4	4
2022-09-06 00:00	0.79	1.25	2.56	2.85	2	4	4
2022-09-06 01:00	0.92	1.41	2.89	3.32	2	5	5
2022-09-06 02:00	1.02	1.54	3.19	4.05	2	5	6
2022-09-06 03:00	1.01	1.58	3.28	3.99	2	5	6
2022-09-06 04:00	0.98	1.6	3.44	3.88	3	5	6
2022-09-06 05:00	0.96	1.56	3.23	3.71	2	5	6
2022-09-06 06:00	0.97	1.56	3.24	3.68	2	5	6
2022-09-06 07:00	1.02	1.63	3.4	4.22	3	5	7
2022-09-06 08:00	1.12	1.77	3.66	4.72	3	6	7
2022-09-06 09:00	1.54	2.38	4.58	5.76	4	7	9
2022-09-06 10:00	2.41	3.55	6.7	9.26	6	11	15
2022-09-06 11:00	3.65	5.25	9.78	12.2	8	15	19
2022-09-06 12:00	4.8	6.72	12.2	15.45	11	19	24
2022-09-06 13:00	6.18	8.15	13.06	17.24	13	21	27
2022-09-06 14:00	7.54	9.44	13.71	15.73	15	22	25
2022-09-06 15:00	8.47	10.15	13.42	15	16	21	24
2022-09-06 16:00	7.01	7.88	10.04	14.07	12	16	22
2022-09-06 17:00	4.11	4.52	5.4	5.85	7	8	9
2022-09-06 18:00	4.38	4.94	6.14	7.42	8	10	12
2022-09-06 19:00	3.53	4.14	5.58	6.69	7	9	11
2022-09-06 20:00	1.88	2.44	3.86	4.68	4	6	7
2022-09-06 21:00	1.61	2.35	4.88	5.39	4	8	8
2022-09-06 22:00	1.61	2.63	5.99	6.28	4	9	10
2022-09-06 23:00	1.59	2.79	6.65	6.99	4	10	11
2022-09-07 00:00	1.38	2.4	5.76	6.29	4	9	10
2022-09-07 01:00	1.32	2.15	4.73	5.25	3	7	8
2022-09-07 02:00	1.4	2.22	4.66	5.28	3	7	8
2022-09-07 03:00	1.42	2.24	4.71	5.9	4	7	9
2022-09-07 04:00	1.41	2.25	4.73	5.88	4	7	9
2022-09-07 05:00	1.47	2.36	4.91	5.63	4	8	9
2022-09-07 06:00	1.64	2.6	5.41	5.89	4	9	9
2022-09-07 07:00	1.5	2.35	4.43	4.86	4	7	8
2022-09-07 08:00	1.69	2.56	4.82	5.89	4	8	9
2022-09-07 09:00	2.09	2.95	5.1	6.57	5	8	10
2022-09-07 10:00	2.13	2.87	4.59	5.71	5	7	9
2022-09-07 11:00	1.55	2.03	3.1	3.71	3	5	6
2022-09-07 12:00	1.18	1.6	2.62	3.19	3	4	5
2022-09-07 13:00	1.28	1.8	3.32	4.57	3	5	7
2022-09-07 14:00	1.63	2.37	4.92	7.26	4	8	11
2022-09-07 15:00	1.96	2.8	5.87	8.32	4	9	13
2022-09-07 16:00	1.85	2.75	5.81	8.11	4	9	13
2022-09-07 17:00	1.68	2.66	6.02	8.29	4	9	13
2022-09-07 18:00	1.25	2.32	5.82	7.59	4	9	12

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-07 19:00	1.17	2.33	6.64	7.61	4	10	12
2022-09-07 20:00	1.91	3.2	7.7	8.48	5	12	13
2022-09-07 21:00	1.09	2.51	7.28	8.25	4	11	13
2022-09-07 22:00	0.98	2.64	7.85	8.86	4	12	14
2022-09-07 23:00	0.91	2.6	7.37	8.76	4	12	14
2022-09-08 00:00	0.8	2.22	6.53	8.32	3	10	13
2022-09-08 01:00	0.81	2.11	6.05	7.67	3	10	12
2022-09-08 02:00	1.05	2.3	6.22	7.8	4	10	12
2022-09-08 03:00	1.22	2.41	6.06	8.17	4	10	13
2022-09-08 04:00	1.77	2.84	6.05	8.06	4	10	13
2022-09-08 05:00	2.75	3.95	7.38	9.34	6	12	15
2022-09-08 06:00	3.82	5.41	9.59	12	9	15	19
2022-09-08 07:00	5.08	7.01	12.01	14.58	11	19	23
2022-09-08 08:00	5.84	8.06	13.28	15.82	13	21	25
2022-09-08 09:00	6.44	8.74	12.96	14.16	14	20	22
2022-09-08 10:00	7.12	9.53	13.62	14.87	15	21	23
2022-09-08 11:00	7.41	9.89	14.14	15.29	16	22	24
2022-09-08 12:00	7.52	10.04	14.14	15.81	16	22	25
2022-09-08 13:00	7.97	10.62	15.16	16.52	17	24	26
2022-09-08 14:00	9.11	11.94	16.9	17.79	19	27	28
2022-09-08 15:00	10.63	14.46	22.49	26.08	23	35	41
2022-09-08 16:00	7.59	11.84	20.68	24.89	19	33	39
2022-09-08 17:00	4.15	7.64	14.32	18.41	12	23	29
2022-09-08 18:00	2.14	3.61	5.85	7.51	6	9	12
2022-09-08 19:00	1.67	2.56	3.72	4.24	4	6	7
2022-09-08 20:00	1.37	1.98	2.91	3	3	5	5
2022-09-08 21:00	1.21	1.76	2.73	2.89	3	4	5
2022-09-08 22:00	1.17	1.76	2.96	3.1	3	5	5
2022-09-08 23:00	1.1	1.62	2.77	3.04	3	4	5
2022-09-09 00:00	1.07	1.67	3.67	3.81	3	6	6
2022-09-09 01:00	1.19	1.77	3.52	3.56	3	6	6
2022-09-09 02:00	1.29	1.82	3.41	3.5	3	5	6
2022-09-09 03:00	1.33	1.82	2.94	3.03	3	5	5
2022-09-09 04:00	1.39	1.86	3.14	3.29	3	5	5
2022-09-09 05:00	1.42	1.87	2.91	3.05	3	5	5
2022-09-09 06:00	1.43	1.85	2.8	2.95	3	4	5
2022-09-09 07:00	1.46	1.86	2.61	2.7	3	4	4
2022-09-09 08:00	1.4	1.8	2.51	2.66	3	4	4
2022-09-09 09:00	1.17	1.53	2.19	2.5	2	3	4
2022-09-09 10:00	0.8	1.09	1.83	2.29	2	3	4
2022-09-09 11:00	0.61	0.86	1.46	1.84	1	2	3
2022-09-09 12:00	0.56	0.8	1.29	1.82	1	2	3
2022-09-09 13:00	0.57	0.8	1.35	1.54	1	2	2
2022-09-09 14:00	0.55	0.78	1.33	1.59	1	2	3
2022-09-09 15:00	0.63	0.89	1.5	2	1	2	3
2022-09-09 16:00	0.63	0.88	1.44	1.87	1	2	3
2022-09-09 17:00	0.46	0.67	1.18	1.51	1	2	2
2022-09-09 18:00	0.33	0.52	1.04	1.33	1	2	2
2022-09-09 19:00	0.34	0.58	1.21	1.55	1	2	2
2022-09-09 20:00	0.31	0.64	1.48	1.72	1	2	3
2022-09-09 21:00	0.27	0.6	2.08	2.22	1	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-09 22:00	0.33	0.85	2.81	2.96	1	4	5
2022-09-09 23:00	0.3	0.9	3.23	3.37	1	5	5
2022-09-10 00:00	0.29	0.87	3.03	3.27	1	5	5
2022-09-10 01:00	0.28	0.75	2.45	2.69	1	4	4
2022-09-10 02:00	0.29	0.75	2.55	2.79	1	4	4
2022-09-10 03:00	0.31	0.72	2.19	2.38	1	3	4
2022-09-10 04:00	0.43	1	2.99	3.06	2	5	5
2022-09-10 05:00	0.48	1.07	3.15	3.32	2	5	5
2022-09-10 06:00	0.5	1.07	2.9	3.14	2	5	5
2022-09-10 07:00	0.39	0.8	1.97	2.07	1	3	3
2022-09-10 08:00	0.36	0.71	1.67	1.96	1	3	3
2022-09-10 09:00	0.35	0.69	1.7	2.03	1	3	3
2022-09-10 10:00	0.33	0.7	1.97	3.1	1	3	5
2022-09-10 11:00	0.36	0.94	3.22	5.04	1	5	8
2022-09-10 12:00	0.37	1.06	3.48	4.94	2	5	8
2022-09-10 13:00	0.37	1.07	3.44	5.07	2	5	8
2022-09-10 14:00	0.38	1.06	3.34	4.59	2	5	7
2022-09-10 15:00	0.37	1.08	3.38	5.1	2	5	8
2022-09-10 16:00	0.38	1.14	3.56	4.81	2	6	8
2022-09-10 17:00	0.4	1.25	3.87	5.26	2	6	8
2022-09-10 18:00	0.39	1.23	3.69	5.12	2	6	8
2022-09-10 19:00	0.39	1.23	3.53	4.01	2	6	6
2022-09-10 20:00	0.39	1.24	3.82	4.45	2	6	7
2022-09-10 21:00	0.4	1.26	3.47	4.09	2	5	6
2022-09-10 22:00	0.41	1.31	3.56	4.39	2	6	7
2022-09-10 23:00	0.37	1.14	3.08	3.46	2	5	5
2022-09-11 00:00	0.34	0.98	2.73	2.78	2	4	4
2022-09-11 01:00	0.41	1.05	2.78	3.05	2	4	5
2022-09-11 02:00	0.51	1.27	3.38	3.54	2	5	6
2022-09-11 03:00	0.52	1.24	3.27	3.27	2	5	5
2022-09-11 04:00	0.28	0.84	2.39	2.54	1	4	4
2022-09-11 05:00	0.37	0.9	2.11	2.2	1	3	3
2022-09-11 06:00	0.54	1.18	2.57	2.62	2	4	4
2022-09-11 07:00	0.29	0.88	2.37	2.51	1	4	4
2022-09-11 08:00	0.31	0.92	2.7	3.56	1	4	6
2022-09-11 09:00	0.32	0.96	3.08	3.89	2	5	6
2022-09-11 10:00	0.33	0.98	3.02	3.98	2	5	6
2022-09-11 11:00	0.33	0.98	2.98	3.51	2	5	6
2022-09-11 12:00	0.31	0.9	2.74	3.36	1	4	5
2022-09-11 13:00	0.33	0.91	2.68	3.33	1	4	5
2022-09-11 14:00	0.4	1.04	3.13	4.23	2	5	7
2022-09-11 15:00	0.5	1.43	4.36	5.8	2	7	9
2022-09-11 16:00	0.54	1.68	5.37	7.1	3	8	11
2022-09-11 17:00	0.56	1.82	5.72	7.72	3	9	12
2022-09-11 18:00	0.58	1.92	6.43	8.89	3	10	14
2022-09-11 19:00	0.58	1.93	6.1	7.49	3	10	12
2022-09-11 20:00	0.58	1.95	6.22	8.54	3	10	13
2022-09-11 21:00	0.59	2	6.23	8.16	3	10	13
2022-09-11 22:00	0.6	2.02	6.21	7.85	3	10	12
2022-09-11 23:00	0.59	2.06	6.06	7.31	3	10	11
2022-09-12 00:00	0.59	2.05	5.58	6.3	3	9	10

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-12 01:00	0.65	2.12	5.71	6.82	3	9	11
2022-09-12 02:00	0.71	2.14	5.47	6.04	3	9	9
2022-09-12 03:00	0.71	2.13	5.35	5.83	3	8	9
2022-09-12 04:00	0.83	2.28	5.71	6.47	4	9	10
2022-09-12 05:00	0.92	2.33	5.61	6.33	4	9	10
2022-09-12 06:00	0.85	2.18	5.11	5.5	3	8	9
2022-09-12 07:00	0.75	2.06	4.8	5.17	3	8	8
2022-09-12 08:00	0.93	2.46	6.89	9.73	4	11	15
2022-09-12 09:00	1.12	2.69	7.76	10.38	4	12	16
2022-09-12 10:00	1.73	3.44	8.99	11.28	5	14	18
2022-09-12 11:00	2.42	4.32	10.22	13.01	7	16	20
2022-09-12 12:00	4.01	6.16	12.73	16.61	10	20	26
2022-09-12 13:00	5.93	8.18	15.27	19.45	13	24	31
2022-09-12 14:00	7.69	9.78	16.73	20.54	15	26	32
2022-09-12 15:00	6.11	8	13.93	17.15	13	22	27
2022-09-12 16:00	5.04	6.43	10.77	13.52	10	17	21
2022-09-12 17:00	4.19	5.46	9.32	11.55	9	15	18
2022-09-12 18:00	3.96	5.3	8.86	10.87	8	14	17
2022-09-12 19:00	3.67	5.05	8.44	9.6	8	13	15
2022-09-12 20:00	6.49	8.37	20.2	35.79	13	32	56
2022-09-12 21:00	7.39	8.5	14.28	24.32	13	22	38
2022-09-12 22:00	5.97	6.73	8.69	10.88	11	14	17
2022-09-12 23:00	3.16	3.72	5.19	6.88	6	8	11
2022-09-13 00:00	1.7	2.11	3.08	3.6	3	5	6
2022-09-13 01:00	1.19	1.51	2.31	2.65	2	4	4
2022-09-13 02:00	0.98	1.27	1.96	2.06	2	3	3
2022-09-13 03:00	0.89	1.18	1.82	2.16	2	3	3
2022-09-13 04:00	0.82	1.09	1.82	1.82	2	3	3
2022-09-13 05:00	0.78	1.05	1.73	1.78	2	3	3
2022-09-13 06:00	0.68	0.94	1.62	1.67	1	3	3
2022-09-13 07:00	0.6	0.86	1.74	2.33	1	3	4
2022-09-13 08:00	0.43	0.86	4.76	9.72	1	7	15
2022-09-13 09:00	0.21	0.35	1.28	2.71	1	2	4
2022-09-13 10:00	0.14	0.26	1.04	2.67	0	2	4
2022-09-13 11:00	0.15	0.3	1.59	3.62	0	3	6
2022-09-13 12:00	0.15	0.63	6.36	15.2	1	10	24
2022-09-13 13:00	0.16	0.61	6.03	13.08	1	9	21
2022-09-13 14:00	0.14	0.45	4.09	10.28	1	6	16
2022-09-13 15:00	0.15	0.29	1.66	3.91	0	3	6
2022-09-13 16:00	0.19	0.41	2.61	5.72	1	4	9
2022-09-13 17:00	0.18	0.28	0.58	0.62	0	1	1
2022-09-13 18:00	0.2	0.31	0.62	0.81	0	1	1
2022-09-13 19:00	0.16	0.28	1.11	1.35	0	2	2
2022-09-13 20:00	0.19	0.37	1.23	1.47	1	2	2
2022-09-13 21:00	0.21	0.38	1	1.24	1	2	2
2022-09-13 22:00	0.22	0.43	1.26	1.31	1	2	2
2022-09-13 23:00	0.19	0.49	1.76	1.81	1	3	3
2022-09-14 00:00	0.22	0.65	2.47	2.52	1	4	4
2022-09-14 01:00	0.2	0.55	1.97	2.06	1	3	3
2022-09-14 02:00	0.31	0.73	2.35	2.35	1	4	4
2022-09-14 03:00	0.37	0.76	2.18	2.27	1	3	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-14 04:00	0.32	0.65	1.84	1.94	1	3	3
2022-09-14 05:00	0.22	0.46	1.3	1.35	1	2	2
2022-09-14 06:00	0.26	0.49	1.19	1.38	1	2	2
2022-09-14 07:00	0.41	0.79	3.3	4.98	1	5	8
2022-09-14 08:00	0.25	0.9	7.5	12.96	1	12	20
2022-09-14 09:00	0.13	0.23	0.45	0.54	0	1	1
2022-09-14 10:00	0.13	0.22	0.48	0.72	0	1	1
2022-09-14 11:00	0.14	0.22	0.42	0.47	0	1	1
2022-09-14 12:00	0.15	0.22	0.42	0.61	0	1	1
2022-09-14 13:00	0.16	0.23	0.4	0.49	0	1	1
2022-09-14 14:00	0.17	0.24	0.42	0.56	0	1	1
2022-09-14 15:00	0.18	0.25	0.41	0.45	0	1	1
2022-09-14 16:00	0.19	0.27	0.47	0.75	0	1	1
2022-09-14 17:00	0.2	0.31	0.67	0.82	0	1	1
2022-09-14 18:00	0.21	0.36	0.89	1.17	1	1	2
2022-09-14 19:00	0.22	0.35	0.77	0.92	1	1	1
2022-09-14 20:00	0.21	0.35	0.74	1.12	1	1	2
2022-09-14 21:00	0.2	0.35	0.82	1.3	1	1	2
2022-09-14 22:00	0.21	0.38	0.86	1.14	1	1	2
2022-09-14 23:00	0.22	0.38	0.82	1.16	1	1	2
2022-09-15 00:00	0.36	0.79	1.47	1.86	1	2	3
2022-09-15 01:00	0.26	0.56	1.25	1.4	1	2	2
2022-09-15 02:00	0.22	0.44	0.98	1.26	1	2	2
2022-09-15 03:00	0.2	0.41	1.08	1.27	1	2	2
2022-09-15 04:00	0.2	0.4	1.02	1.16	1	2	2
2022-09-15 05:00	0.22	0.44	0.96	1.01	1	2	2
2022-09-15 06:00	0.24	0.46	0.93	1.07	1	1	2
2022-09-15 07:00	0.27	0.52	1.08	1.13	1	2	2
2022-09-15 08:00	0.31	0.57	1.08	1.23	1	2	2
2022-09-15 09:00	0.38	0.64	1.13	1.18	1	2	2
2022-09-15 10:00	0.52	0.78	1.3	1.3	1	2	2
2022-09-15 11:00	0.82	1.08	1.61	1.7	2	3	3
2022-09-15 12:00	0.96	1.27	1.83	1.97	2	3	3
2022-09-15 13:00	1.4	1.7	2.2	2.49	3	3	4
2022-09-15 14:00	1.42	1.67	2.21	2.55	3	3	4
2022-09-15 15:00	1.61	1.86	2.49	2.93	3	4	5
2022-09-15 16:00	1.76	2.02	2.71	3.18	3	4	5
2022-09-15 17:00	1.87	2.15	2.95	3.48	3	5	5
2022-09-15 18:00	1.93	2.18	2.74	2.79	3	4	4
2022-09-15 19:00	1.71	1.94	2.4	2.49	3	4	4
2022-09-15 20:00	1.45	1.69	2.12	2.36	3	3	4
2022-09-15 21:00	1.81	2.04	2.46	2.51	3	4	4
2022-09-15 22:00	1.77	1.98	2.36	2.55	3	4	4
2022-09-15 23:00	1.59	1.81	2.21	2.21	3	3	3
2022-09-16 00:00	1.31	1.51	1.92	2.11	2	3	3
2022-09-16 01:00	1.03	1.25	1.66	1.71	2	3	3
2022-09-16 02:00	0.96	1.19	1.71	1.71	2	3	3
2022-09-16 03:00	0.88	1.12	1.64	1.64	2	3	3
2022-09-16 04:00	0.77	0.99	1.48	1.48	2	2	2
2022-09-16 05:00	0.6	0.8	1.26	1.36	1	2	2
2022-09-16 06:00	0.49	0.66	1	1.09	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-16 07:00	0.52	0.68	1.01	1.06	1	2	2
2022-09-16 08:00	0.68	0.95	1.38	1.52	1	2	2
2022-09-16 09:00	0.46	0.6	0.93	1.03	1	1	2
2022-09-16 10:00	0.31	0.44	0.75	0.79	1	1	1
2022-09-16 11:00	0.21	0.34	0.62	0.88	1	1	1
2022-09-16 12:00	0.16	0.26	0.54	1.07	0	1	2
2022-09-16 13:00	0.07	0.14	0.37	0.71	0	1	1
2022-09-16 14:00	0.1	0.18	0.5	1.07	0	1	2
2022-09-16 15:00	0.12	0.21	0.61	1.19	0	1	2
2022-09-16 16:00	0.16	0.27	0.63	0.97	0	1	2
2022-09-16 17:00	0.31	0.4	0.75	0.75	1	1	1
2022-09-16 18:00	0.12	0.21	0.58	0.67	0	1	1
2022-09-16 19:00	0.13	0.24	0.64	0.92	0	1	1
2022-09-16 20:00	0.17	0.31	0.74	0.79	0	1	1
2022-09-16 21:00	0.27	0.49	1.03	1.17	1	2	2
2022-09-16 22:00	0.32	0.64	1.28	1.28	1	2	2
2022-09-16 23:00	0.34	0.69	1.33	1.38	1	2	2
2022-09-17 00:00	0.31	0.68	1.33	1.52	1	2	2
2022-09-17 01:00	0.27	0.7	1.36	1.41	1	2	2
2022-09-17 02:00	0.26	0.67	1.4	1.49	1	2	2
2022-09-17 03:00	0.26	0.64	1.43	1.48	1	2	2
2022-09-17 04:00	0.2	0.5	1.18	1.23	1	2	2
2022-09-17 05:00	0.2	0.51	1.32	1.32	1	2	2
2022-09-17 06:00	0.2	0.54	1.26	1.31	1	2	2
2022-09-17 07:00	0.24	0.56	1.35	1.4	1	2	2
2022-09-17 08:00	0.27	0.53	1.2	1.2	1	2	2
2022-09-17 09:00	0.34	0.56	0.99	1.09	1	2	2
2022-09-17 10:00	0.51	0.73	1.12	1.18	1	2	2
2022-09-17 11:00	0.46	0.72	1.19	1.22	1	2	2
2022-09-17 12:00	0.4	0.6	0.96	1.06	1	2	2
2022-09-17 13:00	0.25	0.44	0.87	1.45	1	1	2
2022-09-17 14:00	0.15	0.25	0.48	0.53	0	1	1
2022-09-17 15:00	0.06	0.13	0.39	0.43	0	1	1
2022-09-17 16:00	0.25	0.4	0.84	0.99	1	1	2
2022-09-17 17:00	0.27	0.43	0.84	0.88	1	1	1
2022-09-17 18:00	0.14	0.28	0.62	0.72	0	1	1
2022-09-17 19:00	0.17	0.35	0.69	0.69	1	1	1
2022-09-17 20:00	0.24	0.38	0.83	0.87	1	1	1
2022-09-17 21:00	0.43	0.59	1.03	1.03	1	2	2
2022-09-17 22:00	0.6	0.82	1.38	1.43	1	2	2
2022-09-17 23:00	0.54	0.74	1.36	1.46	1	2	2
2022-09-18 00:00	0.76	0.96	1.59	1.59	2	3	3
2022-09-18 01:00	1.46	1.69	2.52	3.43	3	4	5
2022-09-18 02:00	1.51	1.76	2.49	3.02	3	4	5
2022-09-18 03:00	1.84	2.05	2.98	5.08	3	5	8
2022-09-18 04:00	1.72	1.96	2.61	2.8	3	4	4
2022-09-18 05:00	0.92	1.18	2.08	2.18	2	3	3
2022-09-18 06:00	0.55	0.81	1.55	1.74	1	2	3
2022-09-18 07:00	0.25	0.43	1.12	1.17	1	2	2
2022-09-18 08:00	0.27	0.4	0.82	0.82	1	1	1
2022-09-18 09:00	0.53	0.67	1.07	1.21	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-18 10:00	0.97	1.11	1.61	1.75	2	3	3
2022-09-18 11:00	0.84	0.97	1.48	1.53	2	2	2
2022-09-18 12:00	0.97	1.11	1.72	1.92	2	3	3
2022-09-18 13:00	0.64	0.78	1.3	1.35	1	2	2
2022-09-18 14:00	0.54	0.9	1.92	1.92	1	3	3
2022-09-18 15:00	0.45	1	2.73	2.82	2	4	4
2022-09-18 16:00	0.6	1.06	2.82	2.96	2	4	5
2022-09-18 17:00	0.97	1.44	3.04	3.33	2	5	5
2022-09-18 18:00	1.08	1.78	3.89	4.13	3	6	6
2022-09-18 19:00	0.99	1.7	3.77	3.96	3	6	6
2022-09-18 20:00	0.75	1.79	5.12	5.22	3	8	8
2022-09-18 21:00	0.68	1.53	4.31	4.41	2	7	7
2022-09-18 22:00	0.83	1.54	3.61	3.66	2	6	6
2022-09-18 23:00	0.93	1.69	4	4.15	3	6	7
2022-09-19 00:00	1.05	1.74	3.74	3.83	3	6	6
2022-09-19 01:00	1.08	1.85	4.1	4.29	3	6	7
2022-09-19 02:00	0.76	1.41	3.31	3.41	2	5	5
2022-09-19 03:00	0.56	1.1	2.58	2.65	2	4	4
2022-09-19 04:00	0.44	1.45	4.85	4.93	2	8	8
2022-09-19 05:00	0.69	1.87	5.63	5.63	3	9	9
2022-09-19 06:00	1.06	1.57	2.9	2.9	2	5	5
2022-09-19 07:00	0.82	1.22	2.2	2.3	2	3	4
2022-09-19 08:00	0.37	0.66	1.28	1.37	1	2	2
2022-09-19 09:00	0.41	0.7	1.23	1.28	1	2	2
2022-09-19 10:00	0.84	1.1	1.58	1.87	2	2	3
2022-09-19 11:00	1.24	1.5	2.09	2.38	2	3	4
2022-09-19 12:00	1.31	1.56	2.12	2.4	2	3	4
2022-09-19 13:00	1.82	2.15	2.94	3.04	3	5	5
2022-09-19 14:00	2.52	2.97	4.11	4.51	5	6	7
2022-09-19 15:00	2.65	3.2	4.7	5.11	5	7	8
2022-09-19 16:00	2.98	3.83	6.05	6.59	6	10	10
2022-09-19 17:00	3.15	4.41	7.39	7.76	7	12	12
2022-09-19 18:00	3.29	5.21	9.72	9.96	8	15	16
2022-09-19 19:00	3.27	5.2	10.99	11.25	8	17	18
2022-09-19 20:00	3.23	5.47	12.54	12.76	9	20	20
2022-09-19 21:00	3.19	5.62	13.43	13.58	9	21	21
2022-09-19 22:00	3.3	5.43	11.66	11.95	9	18	19
2022-09-19 23:00	3.39	5.45	11.01	11.27	9	17	18
2022-09-20 00:00	3.75	5.96	11.94	12.35	9	19	19
2022-09-20 01:00	5.16	6.73	10.12	10.31	11	16	16
2022-09-20 02:00	5.89	8.05	12.2	12.58	13	19	20
2022-09-20 03:00	6.49	8	10.84	10.93	13	17	17
2022-09-20 04:00	6.64	7.95	10.33	10.52	13	16	17
2022-09-20 05:00	6.59	7.66	9.45	9.59	12	15	15
2022-09-20 06:00	6.63	7.65	9.44	9.49	12	15	15
2022-09-20 07:00	7.23	8.13	9.53	9.58	13	15	15
2022-09-20 08:00	7.61	8.56	10.32	10.66	13	16	17
2022-09-20 09:00	9.1	10.21	12.48	12.87	16	20	20
2022-09-20 10:00	11.26	12.62	15.25	15.99	20	24	25
2022-09-20 11:00	11.89	13.25	15.77	16.24	21	25	26
2022-09-20 12:00	13.42	14.95	18.01	18.54	24	28	29

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-20 13:00	13.43	14.98	18.05	19.49	24	28	31
2022-09-20 14:00	10.68	12	14.8	15.9	19	23	25
2022-09-20 15:00	5.72	6.53	8.31	9.92	10	13	16
2022-09-20 16:00	2.26	2.8	4.12	5.62	4	6	9
2022-09-20 17:00	1.57	2.1	3.37	3.47	3	5	5
2022-09-20 18:00	0.79	1.25	2.57	3.15	2	4	5
2022-09-20 19:00	0.42	0.91	2.67	3.48	1	4	5
2022-09-20 20:00	0.59	1.14	3.25	4.97	2	5	8
2022-09-20 21:00	0.91	1.58	4.06	5.35	2	6	8
2022-09-20 22:00	0.9	1.46	3.42	4.46	2	5	7
2022-09-20 23:00	0.32	0.69	2.01	2.87	1	3	5
2022-09-21 00:00	0.09	0.32	1.35	1.85	1	2	3
2022-09-21 01:00	0.13	0.35	1.22	1.7	1	2	3
2022-09-21 02:00	0.2	0.37	0.96	1.3	1	2	2
2022-09-21 03:00	0.04	0.13	0.54	0.54	0	1	1
2022-09-21 04:00	0.03	0.11	0.55	0.59	0	1	1
2022-09-21 05:00	0.05	0.17	0.76	0.85	0	1	1
2022-09-21 06:00	0.06	0.17	0.71	0.76	0	1	1
2022-09-21 07:00	0.09	0.21	0.68	1.07	0	1	2
2022-09-21 08:00	0.13	0.27	0.74	0.79	0	1	1
2022-09-21 09:00	0.17	0.32	0.79	0.88	1	1	1
2022-09-21 10:00	0.35	0.58	1.08	1.32	1	2	2
2022-09-21 11:00	0.28	0.47	0.93	1.24	1	1	2
2022-09-21 12:00	0.21	0.33	0.78	1.31	1	1	2
2022-09-21 13:00	0.16	0.26	0.73	1.33	0	1	2
2022-09-21 14:00	0.19	0.3	0.76	1.21	0	1	2
2022-09-21 15:00	0.21	0.33	0.87	1.64	1	1	3
2022-09-21 16:00	0.17	0.27	0.87	1.88	0	1	3
2022-09-21 17:00	0.15	0.26	0.74	1.17	0	1	2
2022-09-21 18:00	0.15	0.26	0.65	0.84	0	1	1
2022-09-21 19:00	0.14	0.26	0.61	0.66	0	1	1
2022-09-21 20:00	0.18	0.34	0.73	0.92	1	1	1
2022-09-21 21:00	0.18	0.37	0.89	1.03	1	1	2
2022-09-21 22:00	0.26	0.57	1.1	1.29	1	2	2
2022-09-21 23:00	0.39	0.86	1.6	1.79	1	3	3
2022-09-22 00:00	0.39	0.86	1.55	1.69	1	2	3
2022-09-22 01:00	0.36	0.78	1.42	1.47	1	2	2
2022-09-22 02:00	0.36	0.79	1.5	1.5	1	2	2
2022-09-22 03:00	0.36	0.82	1.6	1.6	1	3	3
2022-09-22 04:00	0.34	0.74	1.54	1.63	1	2	3
2022-09-22 05:00	0.3	0.66	1.4	1.45	1	2	2
2022-09-22 06:00	0.28	0.62	1.36	1.5	1	2	2
2022-09-22 07:00	0.23	0.53	1.18	1.23	1	2	2
2022-09-22 08:00	0.22	0.49	1.01	1.06	1	2	2
2022-09-22 09:00	0.18	0.4	0.89	1.03	1	1	2
2022-09-22 10:00	0.12	0.26	0.63	1.2	0	1	2
2022-09-22 11:00	0.11	0.22	0.5	0.79	0	1	1
2022-09-22 12:00	0.11	0.23	0.53	0.63	0	1	1
2022-09-22 13:00	0.12	0.24	0.5	0.54	0	1	1
2022-09-22 14:00	0.12	0.25	0.57	0.81	0	1	1
2022-09-22 15:00	0.12	0.25	0.62	0.67	0	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-22 16:00	0.12	0.28	0.75	1.02	0	1	2
2022-09-22 17:00	0.14	0.32	0.87	1.07	1	1	2
2022-09-22 18:00	0.14	0.4	1.18	1.47	1	2	2
2022-09-22 19:00	0.13	0.44	1.27	1.41	1	2	2
2022-09-22 20:00	0.14	0.54	1.64	1.77	1	3	3
2022-09-22 21:00	0.2	0.9	2.85	2.91	1	4	5
2022-09-22 22:00	0.3	0.86	2.38	2.43	1	4	4
2022-09-22 23:00	0.4	0.85	2.02	2.06	1	3	3
2022-09-23 00:00	0.39	0.9	2.19	2.29	1	3	4
2022-09-23 01:00	0.39	0.87	2.1	2.15	1	3	3
2022-09-23 02:00	0.38	0.8	1.83	1.88	1	3	3
2022-09-23 03:00	0.37	0.84	2.14	2.19	1	3	3
2022-09-23 04:00	0.37	0.88	2.36	2.46	1	4	4
2022-09-23 05:00	0.41	0.87	2.33	2.33	1	4	4
2022-09-23 06:00	0.98	1.45	2.61	2.75	2	4	4
2022-09-23 07:00	1.08	1.5	2.47	2.62	2	4	4
2022-09-23 08:00	0.81	1.14	1.93	2.16	2	3	3
2022-09-23 09:00	0.68	0.99	1.89	2.28	2	3	4
2022-09-23 10:00	0.6	0.91	1.96	2.48	1	3	4
2022-09-23 11:00	0.55	0.9	2.38	3.02	1	4	5
2022-09-23 12:00	0.55	1.01	2.97	4.65	2	5	7
2022-09-23 13:00	0.56	1.16	3.84	5.31	2	6	8
2022-09-23 14:00	0.73	1.47	4.72	6.26	2	7	10
2022-09-23 15:00	1.04	2.04	6.12	8.67	3	10	14
2022-09-23 16:00	1.05	2.27	7.28	10.25	4	11	16
2022-09-23 17:00	1.03	2.24	6.6	8.89	4	10	14
2022-09-23 18:00	1.07	2.17	5.48	6.92	3	9	11
2022-09-23 19:00	1.06	2.18	5.45	6.51	3	9	10
2022-09-23 20:00	1.02	2.09	4.89	5.69	3	8	9
2022-09-23 21:00	0.99	1.95	4.46	5.19	3	7	8
2022-09-23 22:00	0.96	2	4.28	4.81	3	7	8
2022-09-23 23:00	0.94	2.11	4.73	5.2	3	7	8
2022-09-24 00:00	0.93	2.1	4.46	4.65	3	7	7
2022-09-24 01:00	0.95	2.09	4.29	4.43	3	7	7
2022-09-24 02:00	0.96	2.17	4.32	4.6	3	7	7
2022-09-24 03:00	0.92	2.03	3.8	3.99	3	6	6
2022-09-24 04:00	1.03	2.27	4.37	4.61	4	7	7
2022-09-24 05:00	1.15	2.41	4.49	4.53	4	7	7
2022-09-24 06:00	0.99	2.04	3.79	3.79	3	6	6
2022-09-24 07:00	0.78	1.56	2.94	3.04	2	5	5
2022-09-24 08:00	0.7	1.39	2.61	2.7	2	4	4
2022-09-24 09:00	0.61	1.2	2.25	2.25	2	4	4
2022-09-24 10:00	0.46	0.83	1.56	1.56	1	2	2
2022-09-24 11:00	0.34	0.62	1.19	1.44	1	2	2
2022-09-24 12:00	0.32	0.58	1.15	1.15	1	2	2
2022-09-24 13:00	0.32	0.62	1.35	1.35	1	2	2
2022-09-24 14:00	0.27	0.53	1.24	1.34	1	2	2
2022-09-24 15:00	0.26	0.54	1.27	1.46	1	2	2
2022-09-24 16:00	0.25	0.51	1.28	1.41	1	2	2
2022-09-24 17:00	0.2	0.45	1.21	1.37	1	2	2
2022-09-24 18:00	0.22	0.52	1.49	1.49	1	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-24 19:00	0.28	0.7	1.9	1.95	1	3	3
2022-09-24 20:00	0.3	0.79	2.21	2.3	1	3	4
2022-09-24 21:00	0.28	0.77	2.07	2.12	1	3	3
2022-09-24 22:00	0.25	0.73	1.84	1.89	1	3	3
2022-09-24 23:00	0.24	0.63	1.65	1.75	1	3	3
2022-09-25 00:00	0.3	0.67	1.53	1.63	1	2	3
2022-09-25 01:00	0.28	0.61	1.39	1.44	1	2	2
2022-09-25 02:00	0.77	1.53	2.92	2.92	2	5	5
2022-09-25 03:00	1.03	1.9	3.78	4.02	3	6	6
2022-09-25 04:00	1.27	2.28	4.76	5	4	7	8
2022-09-25 05:00	1.42	2.53	5.19	5.38	4	8	8
2022-09-25 06:00	1.63	2.86	5.67	5.96	4	9	9
2022-09-25 07:00	1.65	2.82	5.58	5.87	4	9	9
2022-09-25 08:00	1.69	2.84	5.5	5.74	4	9	9
2022-09-25 09:00	1.35	2.26	4.16	4.54	4	7	7
2022-09-25 10:00	1.2	2.08	3.93	4.41	3	6	7
2022-09-25 11:00	1.62	2.46	4.44	4.92	4	7	8
2022-09-25 12:00	1.68	2.41	4.38	4.86	4	7	8
2022-09-25 13:00	1.07	1.66	3.5	4.31	3	6	7
2022-09-25 14:00	0.8	1.35	3.19	3.86	2	5	6
2022-09-25 15:00	0.69	1.13	2.78	4.21	2	4	7
2022-09-25 16:00	0.77	1.25	2.78	3.35	2	4	5
2022-09-25 17:00	0.9	1.39	3.09	3.71	2	5	6
2022-09-25 18:00	1.51	2.05	3.75	5.09	3	6	8
2022-09-25 19:00	2.23	2.82	4.3	5.02	4	7	8
2022-09-25 20:00	2.1	2.65	3.84	4.65	4	6	7
2022-09-25 21:00	1.88	2.47	3.6	3.7	4	6	6
2022-09-25 22:00	1.17	1.6	2.62	2.72	3	4	4
2022-09-25 23:00	0.49	0.78	1.69	1.93	1	3	3
2022-09-26 00:00	0.31	0.56	1.45	1.74	1	2	3
2022-09-26 01:00	0.41	0.66	1.46	1.66	1	2	3
2022-09-26 02:00	0.19	0.43	1.26	1.36	1	2	2
2022-09-26 03:00	0.15	0.35	1.06	1.35	1	2	2
2022-09-26 04:00	0.14	0.29	0.89	1.08	0	1	2
2022-09-26 05:00	0.13	0.29	0.86	0.91	0	1	1
2022-09-26 06:00	0.11	0.27	0.84	0.89	0	1	1
2022-09-26 07:00	0.14	0.27	0.71	0.76	0	1	1
2022-09-26 08:00	0.12	0.23	0.69	1.03	0	1	2
2022-09-26 09:00	0.12	0.22	0.73	1.21	0	1	2
2022-09-26 10:00	0.13	0.25	0.85	1.47	0	1	2
2022-09-26 11:00	0.16	0.27	0.73	0.88	0	1	1
2022-09-26 12:00	0.14	0.25	0.84	1.36	0	1	2
2022-09-26 13:00	0.15	0.26	0.83	1.89	0	1	3
2022-09-26 14:00	0.12	0.24	0.93	1.7	0	1	3
2022-09-26 15:00	0.15	0.26	0.89	1.67	0	1	3
2022-09-26 16:00	0.19	0.29	0.74	1.3	0	1	2
2022-09-26 17:00	0.2	0.32	0.96	1.77	1	2	3
2022-09-26 18:00	0.22	0.32	0.75	1.13	1	1	2
2022-09-26 19:00	0.3	0.41	0.77	0.82	1	1	1
2022-09-26 20:00	0.3	0.42	0.8	0.8	1	1	1
2022-09-26 21:00	0.28	0.39	0.78	0.83	1	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-26 22:00	0.28	0.4	0.79	1.03	1	1	2
2022-09-26 23:00	0.24	0.35	0.77	0.92	1	1	1
2022-09-27 00:00	0.3	0.42	0.75	0.8	1	1	1
2022-09-27 01:00	0.3	0.46	0.82	0.97	1	1	2
2022-09-27 02:00	0.34	0.54	0.86	0.96	1	1	2
2022-09-27 03:00	0.36	0.56	0.91	1	1	1	2
2022-09-27 04:00	0.3	0.47	0.73	0.73	1	1	1
2022-09-27 05:00	0.24	0.4	0.69	0.74	1	1	1
2022-09-27 06:00	0.23	0.39	0.74	0.74	1	1	1
2022-09-27 07:00	0.26	0.43	0.76	0.86	1	1	1
2022-09-27 08:00	0.28	0.46	0.98	1.41	1	2	2
2022-09-27 09:00	0.27	0.49	1.51	2.76	1	2	4
2022-09-27 10:00	0.35	0.56	1.12	1.69	1	2	3
2022-09-27 11:00	0.24	0.45	1.14	1.83	1	2	3
2022-09-27 12:00	0.25	0.47	1.31	2.41	1	2	4
2022-09-27 13:00	0.22	0.4	0.7	0.94	1	1	1
2022-09-27 14:00	0.23	0.44	1.83	3.84	1	3	6
2022-09-27 15:00	0.22	0.44	1.72	3.83	1	3	6
2022-09-27 16:00	0.27	0.95	6.88	14.92	1	11	23
2022-09-27 17:00	0.24	0.53	2.12	3.99	1	3	6
2022-09-27 18:00	0.23	0.43	0.84	0.88	1	1	1
2022-09-27 19:00	0.26	0.5	1.08	1.18	1	2	2
2022-09-27 20:00	0.71	1.04	2.05	2.05	2	3	3
2022-09-27 21:00	0.42	0.76	1.95	2	1	3	3
2022-09-27 22:00	0.4	0.73	1.97	2.07	1	3	3
2022-09-27 23:00	0.36	0.69	1.79	1.79	1	3	3
2022-09-28 00:00	0.33	0.65	1.79	1.79	1	3	3
2022-09-28 01:00	0.25	0.54	1.48	1.48	1	2	2
2022-09-28 02:00	0.26	0.48	1.17	1.27	1	2	2
2022-09-28 03:00	0.23	0.44	1	1	1	2	2
2022-09-28 04:00	0.23	0.44	1	1	1	2	2
2022-09-28 05:00	0.23	0.44	1.01	1.06	1	2	2
2022-09-28 06:00	0.26	0.49	1.01	1.01	1	2	2
2022-09-28 07:00	0.38	0.64	1.26	1.4	1	2	2
2022-09-28 08:00	0.35	0.55	0.97	1.01	1	2	2
2022-09-28 09:00	0.3	0.48	0.96	1.2	1	2	2
2022-09-28 10:00	0.3	0.48	0.95	1.14	1	1	2
2022-09-28 11:00	0.29	0.45	0.98	1.27	1	2	2
2022-09-28 12:00	0.69	0.93	1.52	1.67	1	2	3
2022-09-28 13:00	0.61	0.85	1.51	1.99	1	2	3
2022-09-28 14:00	0.61	0.82	1.31	1.46	1	2	2
2022-09-28 15:00	0.27	0.48	1.11	1.63	1	2	3
2022-09-28 16:00	0.31	0.62	1.62	2.1	1	3	3
2022-09-28 17:00	0.42	0.75	1.73	2.07	1	3	3
2022-09-28 18:00	0.59	0.93	1.8	2.13	1	3	3
2022-09-28 19:00	0.64	0.92	1.64	1.78	1	3	3
2022-09-28 20:00	0.66	0.99	1.82	2.21	2	3	3
2022-09-28 21:00	0.72	1.03	1.75	1.84	2	3	3
2022-09-28 22:00	0.72	1.08	2.97	4.36	2	5	7
2022-09-28 23:00	0.72	1.03	1.92	2.39	2	3	4
2022-09-29 00:00	0.7	1.01	1.78	2.12	2	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-09-29 01:00	0.69	1.01	1.77	1.92	2	3	3
2022-09-29 02:00	0.69	1.02	1.76	2.04	2	3	3
2022-09-29 03:00	0.69	1.03	1.89	2.32	2	3	4
2022-09-29 04:00	0.7	1.06	2.05	2.29	2	3	4
2022-09-29 05:00	0.75	1.16	2.29	2.77	2	4	4
2022-09-29 06:00	0.85	1.33	2.8	3.43	2	4	5
2022-09-29 07:00	0.94	1.51	3.22	3.94	2	5	6
2022-09-29 08:00	0.97	1.68	4.13	5.85	3	6	9
2022-09-29 09:00	0.93	1.92	5.87	8.02	3	9	13
2022-09-29 10:00	0.95	2.28	7.66	10.72	4	12	17
2022-09-29 11:00	1	2.6	8.98	13.58	4	14	21
2022-09-29 12:00	1.06	3	10.78	15.38	5	17	24
2022-09-29 13:00	1.14	3.34	12.08	18.88	5	19	30
2022-09-29 14:00	1.07	3	10.52	15.58	5	17	25
2022-09-29 15:00	1.04	2.87	9.38	13.21	5	15	21
2022-09-29 16:00	1.06	3.04	9.93	13.95	5	16	22
2022-09-29 17:00	1.04	3.01	9.36	12.81	5	15	20
2022-09-29 18:00	1	3.02	8.62	10.35	5	14	16
2022-09-29 19:00	1.08	3.43	10.61	12.14	5	17	19
2022-09-29 20:00	1.1	3.36	8.79	9.65	5	14	15
2022-09-29 21:00	1.06	3.35	8.56	9.19	5	13	14
2022-09-29 22:00	1.05	3.32	8.03	8.42	5	13	13
2022-09-29 23:00	1.07	3.21	7.92	8.4	5	12	13
2022-09-30 00:00	1.06	3.16	7.79	7.89	5	12	12
2022-09-30 01:00	1.04	3.1	7.52	7.85	5	12	12
2022-09-30 02:00	1.13	3.13	7.53	7.67	5	12	12
2022-09-30 03:00	1.15	3.07	7.49	7.83	5	12	12
2022-09-30 04:00	1.18	3.05	7.51	8.05	5	12	13
2022-09-30 05:00	1.32	3.2	7.38	8.56	5	12	13
2022-09-30 06:00	1.74	3.48	6.68	7.35	5	11	12
2022-09-30 07:00	2.02	3.67	6.61	7.01	6	10	11
2022-09-30 08:00	2	3.2	5.19	5.62	5	8	9
2022-09-30 09:00	1.79	2.87	5.1	6.45	5	8	10
2022-09-30 10:00	1.66	2.71	4.92	5.96	4	8	9
2022-09-30 11:00	1.28	2.07	4.17	5.77	3	7	9
2022-09-30 12:00	1.44	2.21	4.48	7.59	3	7	12
2022-09-30 13:00	1.78	2.99	5.56	6.83	5	9	11
2022-09-30 14:00	1.75	3.02	7.16	11.13	5	11	18
2022-09-30 15:00	2.04	3.72	8.67	13.79	6	14	22
2022-09-30 16:00	2.58	5.41	12.28	20.4	9	19	32
2022-09-30 17:00	3.41	5.47	8.7	10.64	9	14	17
2022-09-30 18:00	3.89	5.65	11.52	20.14	9	18	32
2022-09-30 19:00	1.49	2.65	4.47	5.11	4	7	8
2022-09-30 20:00	1.21	2.09	3.36	3.64	3	5	6
2022-09-30 21:00	0.72	1.48	2.65	2.89	2	4	5
2022-09-30 22:00	0.64	1.47	2.59	2.98	2	4	5
2022-09-30 23:00	0.65	1.47	2.53	2.81	2	4	4
2022-10-01 00:00	0.66	1.49	2.49	2.63	2	4	4
2022-10-01 01:00	0.65	1.45	2.39	2.43	2	4	4
2022-10-01 02:00	0.62	1.36	2.22	2.22	2	3	3
2022-10-01 03:00	0.51	1.12	1.87	1.96	2	3	3

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-01 04:00	0.41	0.89	1.55	1.7	1	2	3
2022-10-01 05:00	0.45	0.98	1.63	1.78	2	3	3
2022-10-01 06:00	0.51	1.08	1.74	1.79	2	3	3
2022-10-01 07:00	0.5	1.07	1.62	1.71	2	3	3
2022-10-01 08:00	0.5	1.07	1.65	1.79	2	3	3
2022-10-01 09:00	0.51	1.06	1.56	1.71	2	2	3
2022-10-01 10:00	0.47	1	1.58	1.86	2	2	3
2022-10-01 11:00	0.45	0.94	1.52	1.67	1	2	3
2022-10-01 12:00	0.43	0.86	1.29	1.29	1	2	2
2022-10-01 13:00	0.41	0.8	1.34	1.91	1	2	3
2022-10-01 14:00	0.4	0.77	1.39	2.73	1	2	4
2022-10-01 15:00	0.41	0.76	1.24	1.43	1	2	2
2022-10-01 16:00	0.41	0.8	1.8	2.67	1	3	4
2022-10-01 17:00	0.61	0.99	1.85	2.47	2	3	4
2022-10-01 18:00	0.91	1.31	1.86	2.05	2	3	3
2022-10-01 19:00	0.39	0.78	1.34	1.44	1	2	2
2022-10-01 20:00	0.35	0.76	1.36	1.36	1	2	2
2022-10-01 21:00	0.35	0.78	1.42	1.46	1	2	2
2022-10-01 22:00	0.37	0.82	1.49	1.49	1	2	2
2022-10-01 23:00	0.4	0.88	1.62	1.72	1	3	3
2022-10-02 00:00	0.45	0.97	1.79	1.79	2	3	3
2022-10-02 01:00	0.51	1.08	1.92	2.35	2	3	4
2022-10-02 02:00	0.55	1.16	2.1	2.29	2	3	4
2022-10-02 03:00	0.61	1.27	2.33	2.57	2	4	4
2022-10-02 04:00	0.68	1.4	2.56	2.8	2	4	4
2022-10-02 05:00	0.92	1.85	3.41	3.89	3	5	6
2022-10-02 06:00	2.06	3.54	6.55	9.03	6	10	14
2022-10-02 07:00	2.09	2.96	5.6	16.46	5	9	26
2022-10-02 08:00	2.23	2.86	5.35	16.14	4	8	25
2022-10-02 09:00	1.95	2.95	4.91	5.1	5	8	8
2022-10-02 10:00	1.6	2.8	5.08	5.56	4	8	9
2022-10-02 11:00	1.42	2.52	4.93	5.22	4	8	8
2022-10-02 12:00	1.39	2.5	4.87	5.49	4	8	9
2022-10-02 13:00	1.31	2.44	5.17	6.04	4	8	9
2022-10-02 14:00	1.12	2.09	4.38	4.81	3	7	8
2022-10-02 15:00	1.09	2.17	4.52	5.12	3	7	8
2022-10-02 16:00	1.08	2.41	5.19	5.54	4	8	9
2022-10-02 17:00	1.07	2.75	6.23	6.57	4	10	10
2022-10-02 18:00	1.04	2.8	6.17	6.36	4	10	10
2022-10-02 19:00	1.05	2.93	7.32	7.8	5	12	12
2022-10-02 20:00	0.99	2.54	5.79	5.98	4	9	9
2022-10-02 21:00	0.89	1.71	3.65	3.93	3	6	6
2022-10-02 22:00	0.9	1.68	3.58	3.91	3	6	6
2022-10-02 23:00	0.93	1.72	3.66	4.03	3	6	6
2022-10-03 00:00	1.09	1.93	3.98	4.48	3	6	7
2022-10-03 01:00	1.29	2.3	4.59	5.02	4	7	8
2022-10-03 02:00	1.49	2.5	4.69	5.1	4	7	8
2022-10-03 03:00	1.65	2.65	4.75	5.34	4	7	8
2022-10-03 04:00	1.69	2.67	4.68	4.87	4	7	8
2022-10-03 05:00	1.7	2.75	4.79	5.07	4	8	8
2022-10-03 06:00	1.85	2.98	5.16	5.58	5	8	9

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-03 07:00	1.88	3	5.23	5.68	5	8	9
2022-10-03 08:00	1.93	3.06	5.34	6.25	5	8	10
2022-10-03 09:00	1.94	3.11	5.72	6.9	5	9	11
2022-10-03 10:00	1.96	3.24	6.34	7.78	5	10	12
2022-10-03 11:00	1.99	3.43	6.94	8.36	5	11	13
2022-10-03 12:00	2.19	3.84	6.71	7.41	6	11	12
2022-10-03 13:00	2.35	4.09	6.57	7.14	6	10	11
2022-10-03 14:00	2.33	4.06	6.63	6.85	6	10	11
2022-10-03 15:00	2.79	4.73	6.85	7.05	7	11	11
2022-10-03 16:00	2.48	4.05	6.03	6.17	6	9	10
2022-10-03 17:00	2.28	4.01	6.67	7.24	6	10	11
2022-10-03 18:00	2.28	4	6.85	7.13	6	11	11
2022-10-03 19:00	2.27	4.18	7.91	8.11	7	12	13
2022-10-03 20:00	2.2	4.61	9.97	10.06	7	16	16
2022-10-03 21:00	2.05	5.27	12.36	12.45	8	19	20
2022-10-03 22:00	1.92	5.61	13.51	13.56	9	21	21
2022-10-03 23:00	2.24	5.98	14.72	14.72	9	23	23
2022-10-04 00:00	3.38	5.49	10.41	11.08	9	16	17
2022-10-04 01:00	2.23	2.8	4.76	7.72	4	7	12
2022-10-04 02:00	1.55	1.9	3.47	7.35	3	5	12
2022-10-04 03:00	1.23	1.86	3.96	4.44	3	6	7
2022-10-04 04:00	1.26	2.04	4.24	4.34	3	7	7
2022-10-04 05:00	2.31	3.24	5.95	10.58	5	9	17
2022-10-04 06:00	2.45	2.77	4.7	12.04	4	7	19
2022-10-04 07:00	2.75	3.02	6.28	26.14	5	10	41
2022-10-04 08:00	3.36	3.66	5.24	12.56	6	8	20
2022-10-04 09:00	2.7	3.11	4.23	4.72	5	7	7
2022-10-04 10:00	1.86	2.33	3.58	3.67	4	6	6
2022-10-04 11:00	1.95	2.48	3.9	4.33	4	6	7
2022-10-04 12:00	2.29	2.95	4.71	5.19	5	7	8
2022-10-04 13:00	2.27	3.16	5.56	5.85	5	9	9
2022-10-04 14:00	2.87	3.96	7.06	7.77	6	11	12
2022-10-04 15:00	2.59	3.64	6.51	7.05	6	10	11
2022-10-04 16:00	2.54	3.78	7.5	8.16	6	12	13
2022-10-04 17:00	2.82	4.2	8.12	8.94	7	13	14
2022-10-04 18:00	3.08	4.92	10	10.33	8	16	16
2022-10-04 19:00	3.44	6.11	13.84	14.37	10	22	23
2022-10-04 20:00	3.33	7.1	16.18	16.33	11	25	26
2022-10-04 21:00	3.45	7.21	16.81	16.91	11	26	27
2022-10-04 22:00	3.92	9.25	21.75	21.8	15	34	34
2022-10-04 23:00	5.16	8.92	17.21	17.78	14	27	28
2022-10-05 00:00	3.35	3.86	6.17	10.52	6	10	17
2022-10-05 01:00	2.2	2.51	4.69	9.51	4	7	15
2022-10-05 02:00	2.73	3.56	6.15	9.72	6	10	15
2022-10-05 03:00	5.95	7.42	10.72	10.96	12	17	17
2022-10-05 04:00	9.25	10.88	14.15	14.48	17	22	23
2022-10-05 05:00	12.46	14.32	17.68	17.92	23	28	28
2022-10-05 06:00	15.52	17.38	20.56	20.8	27	32	33
2022-10-05 07:00	17.66	19.6	23.03	23.23	31	36	37
2022-10-05 08:00	21.12	22.8	25.03	25.41	36	39	40
2022-10-05 09:00	22.3	23.85	25.68	26.6	38	40	42

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-05 10:00	21.28	22.58	24.25	24.87	36	38	39
2022-10-05 11:00	14.93	15.81	17.11	17.78	25	27	28
2022-10-05 12:00	11.47	12.18	13.47	14.37	19	21	23
2022-10-05 13:00	4.9	5.28	6.26	6.94	8	10	11
2022-10-05 14:00	3.39	3.68	4.51	4.94	6	7	8
2022-10-05 15:00	3.94	4.26	5.11	5.5	7	8	9
2022-10-05 16:00	3.22	3.56	4.69	5.55	6	7	9
2022-10-05 17:00	1.85	2.15	3.4	4.32	3	5	7
2022-10-05 18:00	1.13	1.44	2.8	3.86	2	4	6
2022-10-05 19:00	0.57	0.97	2.33	3.87	2	4	6
2022-10-05 20:00	0.13	0.28	1.33	1.9	0	2	3
2022-10-05 21:00	0.08	0.17	0.73	0.92	0	1	1
2022-10-05 22:00	0.1	0.18	0.62	0.67	0	1	1
2022-10-05 23:00	0.11	0.18	0.56	0.61	0	1	1
2022-10-06 00:00	0.11	0.18	0.47	0.47	0	1	1
2022-10-06 01:00	0.12	0.19	0.49	0.59	0	1	1
2022-10-06 02:00	0.11	0.17	0.46	0.65	0	1	1
2022-10-06 03:00	0.13	0.2	0.46	0.75	0	1	1
2022-10-06 04:00	0.13	0.21	0.51	0.65	0	1	1
2022-10-06 05:00	0.15	0.24	0.56	0.9	0	1	1
2022-10-06 06:00	0.17	0.28	0.56	0.75	0	1	1
2022-10-06 07:00	0.22	0.35	0.66	0.95	1	1	1
2022-10-06 08:00	0.33	0.56	0.84	0.89	1	1	1
2022-10-06 09:00	0.39	0.76	1.43	1.57	1	2	2
2022-10-06 10:00	0.28	0.48	0.82	1.1	1	1	2
2022-10-06 11:00	0.25	0.39	0.67	0.96	1	1	2
2022-10-06 12:00	0.22	0.35	0.58	0.72	1	1	1
2022-10-06 13:00	0.26	0.4	0.62	0.86	1	1	1
2022-10-06 14:00	0.22	0.34	0.55	0.74	1	1	1
2022-10-06 15:00	0.28	0.4	0.64	0.93	1	1	1
2022-10-06 16:00	0.24	0.33	0.55	0.83	1	1	1
2022-10-06 17:00	0.24	0.31	0.52	0.52	0	1	1
2022-10-06 18:00	0.23	0.31	0.52	0.52	0	1	1
2022-10-06 19:00	0.17	0.25	0.47	0.56	0	1	1
2022-10-06 20:00	0.16	0.25	0.47	0.47	0	1	1
2022-10-06 21:00	0.25	0.33	0.51	0.56	1	1	1
2022-10-06 22:00	0.22	0.3	0.5	0.5	0	1	1
2022-10-06 23:00	0.13	0.22	0.48	0.48	0	1	1
2022-10-07 00:00	0.12	0.23	0.48	0.52	0	1	1
2022-10-07 01:00	0.14	0.26	0.53	0.53	0	1	1
2022-10-07 02:00	0.16	0.26	0.46	0.46	0	1	1
2022-10-07 03:00	0.15	0.23	0.39	0.49	0	1	1
2022-10-07 04:00	0.16	0.24	0.43	0.43	0	1	1
2022-10-07 05:00	0.16	0.25	0.45	0.45	0	1	1
2022-10-07 06:00	0.17	0.28	0.54	0.59	0	1	1
2022-10-07 07:00	0.17	0.28	0.51	0.56	0	1	1
2022-10-07 08:00	0.16	0.28	0.52	0.57	0	1	1
2022-10-07 09:00	0.15	0.26	0.48	0.72	0	1	1
2022-10-07 10:00	0.16	0.28	0.58	1.01	0	1	2
2022-10-07 11:00	0.17	0.3	0.66	1.28	0	1	2
2022-10-07 12:00	0.22	0.37	0.8	1.28	1	1	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-07 13:00	0.24	0.44	1.09	1.56	1	2	2
2022-10-07 14:00	0.26	0.48	1.12	1.55	1	2	2
2022-10-07 15:00	0.28	0.46	1.12	2.02	1	2	3
2022-10-07 16:00	0.31	0.52	1.25	1.92	1	2	3
2022-10-07 17:00	0.37	0.77	2.1	3.15	1	3	5
2022-10-07 18:00	0.53	1.35	3.75	5.23	2	6	8
2022-10-07 19:00	0.6	1.71	5.08	6.61	3	8	10
2022-10-07 20:00	0.69	2.16	6.87	9.4	3	11	15
2022-10-07 21:00	0.78	2.51	8.08	10.48	4	13	16
2022-10-07 22:00	0.82	2.91	10.41	14.53	5	16	23
2022-10-07 23:00	0.84	3.05	10.92	15.71	5	17	25
2022-10-08 00:00	0.9	3.17	10.86	15.98	5	17	25
2022-10-08 01:00	0.92	3.21	10.92	15.46	5	17	24
2022-10-08 02:00	0.92	3.21	10.57	14.31	5	17	23
2022-10-08 03:00	0.89	3.16	9.23	11.13	5	15	18
2022-10-08 04:00	0.96	3	8.16	9.41	5	13	15
2022-10-08 05:00	1.33	3.11	6.85	7.52	5	11	12
2022-10-08 06:00	1.43	3.1	6.36	6.88	5	10	11
2022-10-08 07:00	1.66	3.26	5.89	6.37	5	9	10
2022-10-08 08:00	1.67	2.93	4.9	5.19	5	8	8
2022-10-08 09:00	1.38	2.23	3.45	3.83	4	5	6
2022-10-08 10:00	1.07	1.62	2.45	2.69	3	4	4
2022-10-08 11:00	0.88	1.3	1.95	2.57	2	3	4
2022-10-08 12:00	0.82	1.2	1.78	2.06	2	3	3
2022-10-08 13:00	0.67	0.95	1.45	1.93	1	2	3
2022-10-08 14:00	0.64	0.9	1.35	1.69	1	2	3
2022-10-08 15:00	0.56	0.77	1.29	1.77	1	2	3
2022-10-08 16:00	0.47	0.63	1.01	1.74	1	2	3
2022-10-08 17:00	0.44	0.59	0.97	1.4	1	2	2
2022-10-08 18:00	0.43	0.58	0.91	1.01	1	1	2
2022-10-08 19:00	0.42	0.59	0.96	1.01	1	2	2
2022-10-08 20:00	0.41	0.59	1.02	1.11	1	2	2
2022-10-08 21:00	0.48	0.66	1.05	1.05	1	2	2
2022-10-08 22:00	0.5	0.64	0.94	0.94	1	1	1
2022-10-08 23:00	0.4	0.54	0.85	0.89	1	1	1
2022-10-09 00:00	0.38	0.5	0.81	0.86	1	1	1
2022-10-09 01:00	0.2	0.42	0.98	0.98	1	2	2
2022-10-09 02:00	0.25	0.46	0.99	1.04	1	2	2
2022-10-09 03:00	0.22	0.42	0.9	0.9	1	1	1
2022-10-09 04:00	0.22	0.39	0.86	0.9	1	1	1
2022-10-09 05:00	0.24	0.4	0.78	0.78	1	1	1
2022-10-09 06:00	0.34	0.49	0.77	0.77	1	1	1
2022-10-09 07:00	0.46	0.61	0.84	0.84	1	1	1
2022-10-09 08:00	0.67	0.85	1.43	2.53	1	2	4
2022-10-09 09:00	0.43	0.57	0.78	0.88	1	1	1
2022-10-09 10:00	0.36	0.49	0.79	1.07	1	1	2
2022-10-09 11:00	0.3	0.48	1.61	4.05	1	3	6
2022-10-09 12:00	0.32	0.45	0.59	0.64	1	1	1
2022-10-09 13:00	0.31	0.45	0.61	0.71	1	1	1
2022-10-09 14:00	0.32	0.46	0.79	1.08	1	1	2
2022-10-09 15:00	0.34	0.46	0.58	0.63	1	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-09 16:00	0.3	0.4	0.52	0.56	1	1	1
2022-10-09 17:00	0.28	0.42	0.58	0.58	1	1	1
2022-10-09 18:00	0.28	0.49	0.85	0.9	1	1	1
2022-10-09 19:00	0.3	0.57	1.06	1.06	1	2	2
2022-10-09 20:00	0.92	1.43	1.99	1.99	2	3	3
2022-10-09 21:00	2.62	4.77	6	6.05	8	9	10
2022-10-09 22:00	1.02	1.91	2.75	2.84	3	4	4
2022-10-09 23:00	0.46	0.81	1.31	1.31	1	2	2
2022-10-10 00:00	0.34	0.57	0.98	0.98	1	2	2
2022-10-10 01:00	0.35	0.55	0.94	0.94	1	1	1
2022-10-10 02:00	0.36	0.55	0.93	0.93	1	1	1
2022-10-10 03:00	0.38	0.56	0.92	0.97	1	1	2
2022-10-10 04:00	0.39	0.6	1.06	1.06	1	2	2
2022-10-10 05:00	0.43	0.62	0.98	1.02	1	2	2
2022-10-10 06:00	0.49	0.65	0.97	1.02	1	2	2
2022-10-10 07:00	0.53	0.72	1.1	1.1	1	2	2
2022-10-10 08:00	0.57	0.75	1.07	1.13	1	2	2
2022-10-10 09:00	0.59	0.77	1.27	1.9	1	2	3
2022-10-10 10:00	0.78	1.02	1.52	2.33	2	2	4
2022-10-10 11:00	1.01	1.49	3.11	3.92	2	5	6
2022-10-10 12:00	0.95	1.47	2.97	3.83	2	5	6
2022-10-10 13:00	0.84	1.23	2.35	2.83	2	4	4
2022-10-10 14:00	1.09	1.66	3.54	4.55	3	6	7
2022-10-10 15:00	1.38	2.07	4.46	6.41	3	7	10
2022-10-10 16:00	1.43	2.16	4.28	5.09	3	7	8
2022-10-10 17:00	1.54	2.21	3.87	4.3	3	6	7
2022-10-10 18:00	1.62	2.29	3.63	3.97	4	6	6
2022-10-10 19:00	1.56	2.23	3.44	3.67	4	5	6
2022-10-10 20:00	1.7	2.41	3.56	4.13	4	6	6
2022-10-10 21:00	1.86	2.58	3.64	3.74	4	6	6
2022-10-10 22:00	1.79	2.52	3.56	3.66	4	6	6
2022-10-10 23:00	1.92	2.65	3.87	4.44	4	6	7
2022-10-11 00:00	2.06	2.85	4.17	4.65	4	7	7
2022-10-11 01:00	2.16	2.99	4.53	5.44	5	7	9
2022-10-11 02:00	2.31	3.26	5.19	6	5	8	9
2022-10-11 03:00	2.4	3.46	5.75	6.23	5	9	10
2022-10-11 04:00	2.54	3.89	6.88	8.28	6	11	13
2022-10-11 05:00	2.87	4.61	8.73	9.78	7	14	15
2022-10-11 06:00	3.38	5.36	9.69	11.46	8	15	18
2022-10-11 07:00	3.66	5.97	11.15	12.65	9	18	20
2022-10-11 08:00	3.67	6.16	11.72	14.79	10	18	23
2022-10-11 09:00	3.8	6.6	13.42	17.45	10	21	27
2022-10-11 10:00	3.79	6.72	14.16	18.56	11	22	29
2022-10-11 11:00	3.61	6.47	13.85	18.02	10	22	28
2022-10-11 12:00	3.38	6.02	13.02	17.29	9	20	27
2022-10-11 13:00	3.35	5.88	13	18.57	9	20	29
2022-10-11 14:00	3.33	5.71	12.24	15.76	9	19	25
2022-10-11 15:00	3.42	5.76	12.34	16.18	9	19	25
2022-10-11 16:00	3.52	5.8	11.56	14.77	9	18	23
2022-10-11 17:00	3.71	5.97	11.47	13.72	9	18	22
2022-10-11 18:00	3.79	5.95	10.92	12.67	9	17	20

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-11 19:00	3.87	6.13	11.3	15.15	10	18	24
2022-10-11 20:00	4.03	6.26	11.1	13.86	10	17	22
2022-10-11 21:00	4.3	6.58	11.53	13.25	10	18	21
2022-10-11 22:00	5.57	8.91	17.62	21.8	14	28	34
2022-10-11 23:00	6.44	9.77	18.32	22.9	15	29	36
2022-10-12 00:00	4.97	7.56	13.67	16.53	12	21	26
2022-10-12 01:00	1.33	2.26	4.54	5.69	4	7	9
2022-10-12 02:00	1.7	1.95	2.45	2.97	3	4	5
2022-10-12 03:00	6.36	6.81	7.35	7.69	11	12	12
2022-10-12 04:00	5.18	5.6	6.15	6.39	9	10	10
2022-10-12 05:00	2.81	3.11	3.54	3.69	5	6	6
2022-10-12 06:00	2.07	2.34	2.77	2.96	4	4	5
2022-10-12 07:00	14.92	15.61	16.07	16.21	25	25	25
2022-10-12 08:00	12.84	13.45	13.81	13.91	21	22	22
2022-10-12 09:00	5.87	6.23	6.58	6.72	10	10	11
2022-10-12 10:00	3.96	4.26	4.62	5.05	7	7	8
2022-10-12 11:00	2.46	2.72	3.17	3.51	4	5	6
2022-10-12 12:00	1.88	2.13	2.64	3.07	3	4	5
2022-10-12 13:00	1.29	1.52	1.96	2.2	2	3	3
2022-10-12 14:00	0.67	0.82	1.16	1.31	1	2	2
2022-10-12 15:00	0.59	0.73	1.12	1.17	1	2	2
2022-10-12 16:00	0.37	0.52	0.93	1.27	1	1	2
2022-10-12 17:00	0.19	0.3	0.59	0.69	0	1	1
2022-10-12 18:00	0.08	0.18	0.51	0.65	0	1	1
2022-10-12 19:00	0.07	0.17	0.47	0.81	0	1	1
2022-10-12 20:00	0.09	0.22	0.52	0.57	0	1	1
2022-10-12 21:00	0.11	0.25	0.58	0.73	0	1	1
2022-10-12 22:00	0.12	0.29	0.7	0.84	0	1	1
2022-10-12 23:00	0.13	0.31	0.71	0.86	0	1	1
2022-10-13 00:00	0.12	0.28	0.62	0.76	0	1	1
2022-10-13 01:00	0.12	0.27	0.59	0.64	0	1	1
2022-10-13 02:00	0.15	0.28	0.57	0.62	0	1	1
2022-10-13 03:00	0.18	0.33	0.62	0.62	1	1	1
2022-10-13 04:00	0.22	0.4	0.73	0.73	1	1	1
2022-10-13 05:00	0.14	0.26	0.48	0.48	0	1	1
2022-10-13 06:00	0.07	0.13	0.28	0.28	0	0	0
2022-10-13 07:00	0.03	0.06	0.16	0.16	0	0	0
2022-10-13 08:00	0.03	0.06	0.18	0.22	0	0	0
2022-10-13 09:00	0.02	0.05	0.21	0.45	0	0	1
2022-10-13 10:00	0.01	0.03	0.13	0.17	0	0	0
2022-10-13 11:00	0.01	0.04	0.15	0.49	0	0	1
2022-10-13 12:00	0.02	0.05	0.16	0.4	0	0	1
2022-10-13 13:00	0.04	0.08	0.19	0.24	0	0	0
2022-10-13 14:00	0.04	0.08	0.27	0.6	0	0	1
2022-10-13 15:00	0.04	0.08	0.21	0.26	0	0	0
2022-10-13 16:00	0.05	0.09	0.22	0.22	0	0	0
2022-10-13 17:00	0.07	0.12	0.23	0.23	0	0	0
2022-10-13 18:00	0.03	0.07	0.2	0.2	0	0	0
2022-10-13 19:00	0.03	0.06	0.2	0.25	0	0	0
2022-10-13 20:00	0.05	0.08	0.18	0.18	0	0	0
2022-10-13 21:00	0.06	0.08	0.18	0.23	0	0	0

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-13 22:00	0.06	0.07	0.15	0.24	0	0	0
2022-10-13 23:00	0.1	0.13	0.33	0.8	0	1	1
2022-10-14 00:00	0.13	0.15	0.34	1.3	0	1	2
2022-10-14 01:00	0.08	0.11	0.32	1.04	0	1	2
2022-10-14 02:00	0.07	0.11	0.25	0.25	0	0	0
2022-10-14 03:00	0.07	0.11	0.22	0.22	0	0	0
2022-10-14 04:00	0.08	0.12	0.28	0.33	0	0	1
2022-10-14 05:00	0.06	0.09	0.2	0.2	0	0	0
2022-10-14 06:00	0.11	0.15	0.24	0.29	0	0	0
2022-10-14 07:00	0.13	0.16	0.3	0.44	0	0	1
2022-10-14 08:00	0.11	0.14	0.3	0.3	0	0	0
2022-10-14 09:00	0.06	0.08	0.21	0.26	0	0	0
2022-10-14 10:00	0.06	0.08	0.17	0.17	0	0	0
2022-10-14 11:00	0.15	0.19	0.33	0.37	0	1	1
2022-10-14 12:00	0.16	0.22	0.35	0.35	0	1	1
2022-10-14 13:00	0.1	0.17	0.33	0.37	0	1	1
2022-10-14 14:00	0.06	0.13	0.28	0.38	0	0	1
2022-10-14 15:00	0.13	0.2	0.3	0.3	0	0	0
2022-10-14 16:00	0.34	0.52	0.83	0.83	1	1	1
2022-10-14 17:00	0.57	0.7	0.95	0.95	1	1	1
2022-10-14 18:00	0.63	1.05	2.02	2.07	2	3	3
2022-10-14 19:00	0.48	0.95	2.04	2.04	1	3	3
2022-10-14 20:00	0.27	0.59	1.28	1.33	1	2	2
2022-10-14 21:00	0.13	0.3	0.75	0.75	0	1	1
2022-10-14 22:00	0.09	0.22	0.58	0.58	0	1	1
2022-10-14 23:00	0.08	0.19	0.51	0.51	0	1	1
2022-10-15 00:00	0.07	0.2	0.58	0.58	0	1	1
2022-10-15 01:00	0.07	0.19	0.49	0.49	0	1	1
2022-10-15 02:00	0.06	0.16	0.39	0.39	0	1	1
2022-10-15 03:00	0.05	0.13	0.33	0.33	0	1	1
2022-10-15 04:00	0.03	0.08	0.22	0.22	0	0	0
2022-10-15 05:00	0.03	0.08	0.21	0.21	0	0	0
2022-10-15 06:00	0.03	0.08	0.22	0.22	0	0	0
2022-10-15 07:00	0.04	0.09	0.25	0.25	0	0	0
2022-10-15 08:00	0.04	0.08	0.19	0.19	0	0	0
2022-10-15 09:00	0.04	0.08	0.2	0.2	0	0	0
2022-10-15 10:00	0.06	0.11	0.24	0.34	0	0	1
2022-10-15 11:00	0.08	0.12	0.26	0.35	0	0	1
2022-10-15 12:00	0.09	0.13	0.3	0.35	0	0	1
2022-10-15 13:00	0.06	0.11	0.29	0.29	0	0	0
2022-10-15 14:00	0.06	0.12	0.3	0.3	0	0	0
2022-10-15 15:00	0.06	0.16	0.46	0.56	0	1	1
2022-10-15 16:00	0.06	0.25	0.7	0.74	0	1	1
2022-10-15 17:00	0.04	0.14	0.44	0.49	0	1	1
2022-10-15 18:00	0.08	0.19	0.58	0.68	0	1	1
2022-10-15 19:00	0.07	0.19	0.56	0.56	0	1	1
2022-10-15 20:00	0.08	0.21	0.68	0.73	0	1	1
2022-10-15 21:00	0.07	0.18	0.62	0.62	0	1	1
2022-10-15 22:00	0.07	0.16	0.53	0.58	0	1	1
2022-10-15 23:00	0.1	0.19	0.49	0.58	0	1	1
2022-10-16 00:00	0.09	0.17	0.5	0.5	0	1	1

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-16 01:00	0.11	0.21	0.6	0.6	0	1	1
2022-10-16 02:00	0.11	0.21	0.6	0.65	0	1	1
2022-10-16 03:00	0.28	0.42	0.84	0.89	1	1	1
2022-10-16 04:00	0.51	0.67	1.12	1.17	1	2	2
2022-10-16 05:00	0.06	0.13	0.39	0.39	0	1	1
2022-10-16 06:00	0.04	0.1	0.36	0.45	0	1	1
2022-10-16 07:00	2.05	2.2	2.45	2.59	3	4	4
2022-10-16 08:00	3.22	3.41	3.67	4	5	6	6
2022-10-16 09:00	5.25	5.85	6.1	6.39	9	10	10
2022-10-16 10:00	0.69	0.76	1.02	1.69	1	2	3
2022-10-16 11:00	1.36	1.44	1.71	2.08	2	3	3
2022-10-16 12:00	1.93	2.03	2.26	2.8	3	4	4
2022-10-16 13:00	2.69	3.03	3.38	4.18	5	5	7
2022-10-16 14:00	0.49	0.62	0.98	1.72	1	2	3
2022-10-16 15:00	0.17	0.29	0.55	1.27	0	1	2
2022-10-16 16:00	0.23	0.42	0.72	0.82	1	1	1
2022-10-16 17:00	3.19	3.61	4	4.62	6	6	7
2022-10-16 18:00	1.5	1.74	2.01	2.3	3	3	4
2022-10-16 19:00	1.97	2.22	2.42	2.8	3	4	4
2022-10-16 20:00	3.19	3.51	3.72	4.05	6	6	6
2022-10-16 21:00	4.65	5.31	5.52	5.71	8	9	9
2022-10-16 22:00	1.3	1.62	1.82	1.91	3	3	3
2022-10-16 23:00	2.31	2.96	3.22	3.22	5	5	5
2022-10-17 00:00	2.87	3.68	4.01	4.01	6	6	6
2022-10-17 01:00	2.59	3.43	3.97	4.73	5	6	7
2022-10-17 02:00	0.83	1.45	1.77	1.82	2	3	3
2022-10-17 03:00	0.55	1.03	1.28	1.42	2	2	2
2022-10-17 04:00	0.57	0.93	1.09	1.19	1	2	2
2022-10-17 05:00	0.42	0.71	0.91	1	1	1	2
2022-10-17 06:00	0.42	0.76	1.01	1.35	1	2	2
2022-10-17 07:00	2.75	3.25	3.53	3.71	5	6	6
2022-10-17 08:00	2.04	2.37	2.66	2.77	4	4	4
2022-10-17 09:00	12.86	14.33	14.76	15.05	23	23	24
2022-10-17 10:00	0.62	1.08	1.48	2.05	2	2	3
2022-10-17 11:00	5.93	7.11	7.51	7.7	11	12	12
2022-10-17 12:00	1.42	2.04	2.43	2.48	3	4	4
2022-10-17 13:00	3.75	4.44	4.86	5.05	7	8	8
2022-10-17 14:00	1.19	1.78	2.16	2.4	3	3	4
2022-10-17 15:00	1.69	2.27	2.86	3.2	4	4	5
2022-10-17 16:00	7.13	8.17	8.68	9.21	13	14	14
2022-10-17 17:00	19.67	23.67	24.16	24.6	37	38	39
2022-10-17 18:00	0.59	1.14	1.48	1.63	2	2	3
2022-10-17 19:00	1.11	1.67	1.98	1.98	3	3	3
2022-10-17 20:00	1.75	2.24	2.52	2.56	4	4	4
2022-10-17 21:00	0.63	1.08	1.33	1.33	2	2	2
2022-10-17 22:00	0.54	1.04	1.33	1.38	2	2	2
2022-10-17 23:00	0.51	1.05	1.38	1.38	2	2	2
2022-10-18 00:00	0.51	1.06	1.38	1.42	2	2	2
2022-10-18 01:00	0.56	1.12	1.45	1.45	2	2	2
2022-10-18 02:00	0.58	1.12	1.45	1.5	2	2	2
2022-10-18 03:00	0.45	0.97	1.26	1.26	2	2	2

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-18 04:00	0.43	0.94	1.22	1.27	1	2	2
2022-10-18 05:00	0.41	0.92	1.2	1.2	1	2	2
2022-10-18 06:00	0.44	0.97	1.25	1.35	2	2	2
2022-10-18 07:00	0.92	1.48	1.78	1.97	2	3	3
2022-10-18 08:00	5.8	6.65	7.08	7.37	10	11	12
2022-10-18 09:00	15.01	18.11	18.68	18.82	28	29	30
2022-10-18 10:00	11.76	13.62	14.21	14.3	21	22	22
2022-10-18 11:00	5.59	6.49	6.92	6.97	10	11	11
2022-10-18 12:00	1.3	1.94	2.33	2.48	3	4	4
2022-10-18 13:00	2.05	2.58	2.93	3.17	4	5	5
2022-10-18 14:00	0.45	0.91	1.21	1.59	1	2	3
2022-10-18 15:00	0.55	1	1.3	1.4	2	2	2
2022-10-18 16:00	0.82	1.22	1.48	1.52	2	2	2
2022-10-18 17:00	0.46	0.76	0.94	0.94	1	1	1
2022-10-18 18:00	0.38	0.69	0.93	0.97	1	1	2
2022-10-18 19:00	0.8	1.17	1.51	1.56	2	2	2
2022-10-18 20:00	0.67	0.98	1.21	1.55	2	2	2
2022-10-18 21:00	0.86	1.18	1.42	1.85	2	2	3
2022-10-18 22:00	2.32	2.92	3.6	3.88	5	6	6
2022-10-18 23:00	0.77	1.08	1.32	1.61	2	2	3
2022-10-19 00:00	1.35	1.76	2.18	2.52	3	3	4
2022-10-19 01:00	3.1	3.88	4.73	4.78	6	7	8
2022-10-19 02:00	2.46	3.04	3.67	3.72	5	6	6
2022-10-19 03:00	0.88	1.18	1.47	1.51	2	2	2
2022-10-19 04:00	0.34	0.58	0.75	0.89	1	1	1
2022-10-19 05:00	0.36	0.57	0.76	0.96	1	1	2
2022-10-19 06:00	0.31	0.5	0.67	0.67	1	1	1
2022-10-19 07:00	1.32	1.71	2.09	2.24	3	3	4
2022-10-19 08:00	0.32	0.53	0.73	0.73	1	1	1
2022-10-19 09:00	0.33	0.59	0.76	0.76	1	1	1
2022-10-19 10:00	0.35	0.63	0.81	0.81	1	1	1
2022-10-19 11:00	0.39	0.66	1.19	1.81	1	2	3
2022-10-19 12:00	0.54	1.07	3.4	4.84	2	5	8
2022-10-19 13:00	0.71	1.53	5.16	7.37	2	8	12
2022-10-19 14:00	0.95	1.76	5.28	7.43	3	8	12
2022-10-19 15:00	1.36	2.29	5.88	6.98	4	9	11
2022-10-19 16:00	1.37	2.27	5.15	6.26	4	8	10
2022-10-19 17:00	1.23	2.06	4.52	5.05	3	7	8
2022-10-19 18:00	1.38	2.24	4.57	5.1	4	7	8
2022-10-19 19:00	1.71	2.61	5.01	5.48	4	8	9
2022-10-19 20:00	1.82	2.71	5.03	5.65	4	8	9
2022-10-19 21:00	2.12	3.34	7.08	8.13	5	11	13
2022-10-19 22:00	1.88	3.15	7.07	8.03	5	11	13
2022-10-19 23:00	1.7	2.92	6.51	7.51	5	10	12
2022-10-20 00:00	1.54	2.7	5.96	6.73	4	9	11
2022-10-20 01:00	1.33	2.36	4.97	5.45	4	8	9
2022-10-20 02:00	1.14	2.04	4.12	4.56	3	6	7
2022-10-20 03:00	0.99	1.76	3.44	3.97	3	5	6
2022-10-20 04:00	0.95	1.68	3.11	3.39	3	5	5
2022-10-20 05:00	0.92	1.61	2.99	3.18	3	5	5
2022-10-20 06:00	0.9	1.55	2.68	2.77	2	4	4

Date	PM1 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	TSP (µg/m³)	PM2.5 k-factor corrected	PM10 k-factor corrected	TSP k-factor corrected
2022-10-20 07:00	0.84	1.44	2.42	2.66	2	4	4
2022-10-20 08:00	0.85	1.44	2.41	2.51	2	4	4
2022-10-20 09:00	0.88	1.49	2.5	2.84	2	4	4
2022-10-20 10:00	0.8	1.38	2.67	3.02	2	4	5