



**Naval Facilities Engineering Systems Command Southwest
BRAC PMO West
San Diego, CA**

**AIR MONITORING SUMMARY REPORT 02 FOR
PARCEL C
RADIOLOGICAL CONFIRMATION SAMPLING AND
SURVEY**

**HUNTERS POINT NAVAL SHIPYARD, SAN FRANCISCO,
CALIFORNIA**

December 5th through March 2nd, 2023

Approved for public release; distribution is unlimited



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DCN: GESL-0005-5305-0067

Prepared for:

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Acronyms and Abbreviations

| | |
|-----------------|---|
| AMSR | <i>Air Monitoring Summary Report</i> |
| ASRC | <i>Artic Slope Regional Corporation</i> |
| Cal/OSHA | <i>California Occupational Safety and Health Administration</i> |
| Cfm | <i>cubic feet per minute</i> |
| CFR | <i>Code of Federal Regulations</i> |
| CTO | <i>Contract Task Order</i> |
| DMAMP | <i>Dust Management and Air Monitoring Plan</i> |
| EPA | <i>United States Environmental Protection Agency</i> |
| fiber/cm3 | <i>fiber per cubic centimeter</i> |
| Gilbane | <i>Gilbane Federal</i> |
| HPNS | <i>Hunters Point Naval Shipyard</i> |
| L/min | <i>liters per minute</i> |
| mg/m3 | <i>milligrams per cubic meter</i> |
| Navy | <i>U.S. Department of the Navy</i> |
| NIOSH | <i>National Institute for Occupational Safety and Health</i> |
| PEL | <i>permissible exposure limit</i> |
| PM10 | <i>particulate matter less than 10 microns in diameter</i> |
| TSP | <i>total suspended particulates</i> |
| TWA | <i>time-weighted average</i> |
| µg/m3 | <i>micrograms per cubic meter</i> |
| WP | <i>work plan</i> |

1.0 Introduction

This Air Monitoring Summary Report (AMSR) was prepared by GES as requested by the United States Department of the Navy (Navy) under Radiological Environmental Multiple Award Contract N62473-17-D-0005, Contract Task Order (CTO) N6247318F5305. GES is performing air monitoring at Hunters Point Naval Shipyard (HPNS) in accordance with the Final Dust Management and Air Monitoring Plan (DMAMP), included as Appendix E to *Final Work Plan Parcel C Removal Site Evaluation, Hunters Point Naval Shipyard, San Francisco, California* (WP; Gilbane, 2022). The DMAMP describes the procedures that minimize dust during work activities and requires air monitoring to ensure these procedures are effective. The methods and procedures detailed in the DMAMP help to prevent exposure of residents and construction crews to potential airborne chemicals of concern, and dust from the work area.

This summary report describes the following:

- Where and how air monitoring samples were collected.
- What test methods were used to analyze air monitoring samples.
- How air monitoring data were evaluated.

This AMSR summarizes the air monitoring activities conducted by GES at HPNS Parcel C from December 5th, 2022 to March 3rd, 2023 and compares the results with the established action levels presented in the DMAMP (Appendix E of the WP [Gilbane, 2022]).

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2.0 Monitoring Site Locations

Air monitoring stations were deployed at one upwind and downwind location from the work area whenever active soil handling operations were in progress. Additional radiological air monitors may be placed within the daily work areas to monitor for worker health and safety. Based on past meteorological data, the prevalent wind direction at HPNS was from the west or west-southwest. The locations of Parcel C air monitoring stations are presented on **Figure 2-1**.

Air monitoring was performed to estimate and assess the impact of field activities. The locations of air monitoring stations were determined based on the prevailing wind direction and were modified as needed for accessibility and worker safety considerations. Wind direction was monitored daily using a windsock and confirmed with the prevalent wind direction recorded for the APTIM HPNS - KCASANFR1504 or Bayview Manor - KCASANFR1775 published at Weather Underground (www.wunderground.com).

Upwind/downwind station designations were assigned based on the prevalent wind direction. Atmospheric parameters were checked daily at www.wunderground.com (see **Attachment 1**). Monitoring stations remained stationary while sampling was conducted. Each monitoring station included four different monitoring systems:

1. Asbestos
2. Particulate matter less than 10 microns in diameter (PM10)
3. Total suspended particulates (TSP) and Metals (Lead and Manganese)
4. Radionuclides

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3.0 Analytical Methods

3.1 Asbestos

Air samples were sampled and analyzed in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 7400, from the NIOSH Manual of Analytical Methods (NIOSH, 1994). Method 7400 requires that samples be collected on three-piece cellulose ester filters fitted with conductive cowlings at a sampling rate of between 0.5 liters per minute (L/min) and 16 L/min. Each sample was collected over the course of a period not to exceed 25 hours and submitted to A&B Laboratories of Houston, TX for analysis. Asbestos results were reviewed for anomalies and compliance with the action levels listed below.

3.2 PM10

Filter-based PM10 data are collected to ensure the protection of public health and safety during construction operations. Filter-based PM10 data are generated by sampling with calibrated air monitoring equipment that are operated continuously over the course of a period not to exceed 25 hours in accordance with the U.S. Environmental Protection Agency (EPA) reference sampling method for PM10 as described in Title 40 Code of Federal Regulations (CFR), Part 50, Subpart J (EPA, 1999a). During the sampling, measurements are taken to precisely calculate the volume of air that has passed through the filter media sample. The period sampled is dependent on the duration of the work activity. The sample is then shipped to Eurofins, West Sacramento, CA or Eurofins Analytics, Ashland, VA for analysis. The concentration is gravimetrically determined. The sample results are reviewed for field and laboratory anomalies to provide confidence in the data and compared to air quality criteria to ensure compliance with the action levels listed below. In this way the precise amount of PM10 present in each cubic meter of air is determined.

3.3 TSP, Lead and Manganese

TSP samples were collected with a high-volume (39 to 60 cubic feet per minute [cfm]) air sampler in accordance with EPA's reference sampling method for TSP, described in 40 CFR 50, Subpart B. Each sample was collected on a filter over the course of a period not to exceed 25 hours (depending on the duration of the work activity). The sample is then shipped to Eurofins, West Sacramento, CA or Eurofins Analytics, Ashland, VA for analysis. The filter was then weighed to determine the amount of TSP collected. The resulting concentration was compared to the HPNS Basewide level listed below to minimize permissible dust releases from the site. Once the TSP concentration was gravimetrically determined, the filter was analyzed for manganese and lead in accordance with EPA Method 6010B (equivalent to IO-3.4 in the Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air [EPA, 1999b]).

3.4 Radionuclides of Concern

Radiological air samples were collected on filter media with a LV-1 low-volume air sampler. The air filter concentration is counted onsite following a decay period and are compared with public air concentration limits published in 10 CFR Part 20. Radiological air sampling methods and procedures are detailed in Gilbane Radiological Procedure PR-RP-150 *Radiological Survey and Sampling* (Gilbane, 2019).

Perimeter samples for ROCs were analyzed at ARS Aleut Analytical, of Port Allen, LA by the radiological methods listed below.

- Gamma Spectroscopy by EPA Method 901.1
- Alpha Spectroscopy/Eichrom Resin Separation by HASL 300 Pu-02RC and Eichrom ACW10
- Gas Flow Proportional Counting/Eichrom Resin Separation by EPA 905.0

The calculated airborne concentration in microcuries per filter was then compared to the effluent concentration limit specified in Table 2 of Appendix B to 10 CFR 20. The effluent concentration of a given radionuclide is the minimum concentration in air which, if inhaled continuously over the course of a year, results in an exposure equal to the annual regulatory limit specified in 10 CFR 20.1302. The threshold for radiological effluent concentration in air samples is 10 percent of the effluent concentration, which ensures work practices are evaluated and modified as necessary to ensure the limit is not reached.

The equipment specifications and sampling procedures have complied with the specifications provided in the regulations for the sampler, filter media, accuracy, calibration, and quality assurance.

4.0 Air Monitoring Data Interpretation and Action Levels

To facilitate the comparison to project action levels, the delta between the upwind and downwind PM10 and TSP analytical results was calculated for detected values.

Calculated negative values indicating that the upwind concentration was greater than the downwind concentration and non-detected values where no delta was calculated, are interpreted as acceptable.

The resulting deltas for PM10 and TSP and analytical data from air monitoring metals and radiological samples were compared with the threshold criteria listed in **Table 4-1** reproduced from Table 1; and radionuclide activities were compared to the airborne concentration action levels listed in Table 2 of the approved DMAMP (Appendix E of the WP [Gilbane, 2022]. The PM10 delta was additionally compared to the criterion taken from the *Final Basewide Dust Control Plan, Revision 1, Hunters Point Shipyard, San Francisco, California* (Tetra Tech EC, 2010) of 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$).

Table 4-1: Air Monitoring Threshold Criteria

| Test Parameter | Threshold Criteria | Threshold Criteria Reference |
|-------------------|-----------------------------------|---|
| Asbestos | 0.1 fiber/cm ³ | Cal/OSHA PEL (on-site workers) |
| PM10 ^a | 50 $\mu\text{g}/\text{m}^3$ | DTSC HERO developed action level (residents and public receptors) ^a |
| | 5,000 $\mu\text{g}/\text{m}^3$ | Cal/OSHA PEL (on-site workers) ^b |
| TSP | 0.5 mg/m ³ | Basewide HPNS Level selected to minimize overall permissible dust release from sites |
| Lead | 0.050 mg/m ³ | Cal/OSHA PEL (on-site workers) |
| Manganese | 0.200 mg/m ³ | Cal/OSHA PEL (on-site workers) 10 CFR, Part 20, Appendix B, Table 2 Column 1 adjusted from 50 mrem per year to maximum annual exposure of 10 mrem per year at the receptor (public receptor) ^c |
| Cesium-137 | 4.00E-11 $\mu\text{Ci}/\text{mL}$ | |
| Plutonium-239 | 4.00E-15 $\mu\text{Ci}/\text{mL}$ | |
| Radium-226 | 1.80E-13 $\mu\text{Ci}/\text{mL}$ | |
| Strontium-90 | 1.20E-12 $\mu\text{Ci}/\text{mL}$ | |
| Cobalt-60 | 1.00E-11 $\mu\text{Ci}/\text{mL}$ | |
| Thorium-232 | 1.20E-15 $\mu\text{Ci}/\text{mL}$ | |

Notes:

^a = The DTSC HERO action level is based on the CSAAQS. The CSAAQS is designed to protect the general public from airborne particulates generated in the urban, suburban, and rural environments. The CSAAQS is not meant to be applied to general project-specific construction actions and related air quality. Rather, the standard is used to attain city- or regional-wide ambient air quality goals for the benefit of the general public. The current CSAAQS for PM10 is 50 $\mu\text{g}/\text{m}^3$ average per 24-hour day. The City and County of San Francisco is currently a nonattainment area for the CSAAQS for PM10.

^b = The Cal/OSHA PEL for particulates not otherwise regulated (respiratory) is used for PM10 comparison.

^c = Results may be evaluated using 40 CFR Appendix E to Part 61 to demonstrate compliance with the National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61).

$\mu\text{Ci}/\text{mL}$ microcurie per milliliter

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

Cal/OSHA = California Division of Occupational Safety and Health Administration

DTSC HERO = California Department of Toxic Substances Control, Human and Ecological Risk Office

4.0 Air Monitoring Action Levels

fiber/cm³ = fibers per cubic centimeter

HPNS = Hunters Point Naval Shipyard

mg/m³ = milligrams per cubic meter

PEL = permissible exposure limit

PM10 = particulate matter less than 10 microns in diameter

TSP = total suspended particulates

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5.0 Air Monitoring Results

Weather information (including ambient pressure and temperature data) is presented in the table included as **Attachment 1**. Meteorological data for Stations 1 and 2 were sourced from the Weather Underground (wunderground.com) station APTIM HPNS - KCASANFR1504 and Bayview Manor - KCASANFR1775. **Table 5-1** displays each air monitoring report and the associated dates covered in the report.

Air monitoring results are presented in the following attachments:

- Asbestos – **Attachment 2**
- PM10 – **Attachment 3**
- Lead and Manganese – **Attachment 4**
- TSP – **Attachment 5**
- Radiological – **Attachment 6**

Laboratory reports are included as **Attachment 7** and were subjected to cursory review by the Project Chemist. Radiological data were qualified for low-level contamination below the required detection limit (RDL) in the field filter blanks, negative results, or for minimum detectable concentrations (MDCs) above the RDL. PM10 and metals had some data estimated due to low-level particulates collected on the field blank media. Data, as qualified are considered usable for their intended purposes.

Due to the nature of radiological laboratory analysis, radiological data will be presented as the contractor receives it. Ultimately the radiological results will be slightly delayed in comparison to the Asbestos, PM10, TSP, Lead, and Manganese results.

Table 5-1: Air Monitoring Report Summary

| Air Monitoring Report Number | Data Date Range |
|-------------------------------------|------------------------|
| 01 | 12/05/22 – 12/22/22 |
| 02 | 12/23/22 – 3/02/23 |

5.1 Report 01

Air monitoring analytical results did not exceed project-specific screening criteria during this reporting period's site operations. The delta was taken by switching the upwind and downwind results due to the change in wind direction for sample end dates 12/15/22, 12/21/22, and 12/22/22.

5.2 Report 02

Air monitoring analytical results did not exceed project-specific screening criteria during this reporting period's site operations. The delta was taken by switching the upwind and downwind results due to the change in wind direction for sample end dates 1/18/23, 1/24/23, 2/07/23, 2/08/23, 2/09/23, and 2/09/23 (second set of samples collected after field activities ceased).

Air Monitoring Summary Report
Parcel C Radiological Confirmation Sampling and Survey
Hunters Point Naval Shipyard, San Francisco, CA

5.0 Air Monitoring Results

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6.0 References

California Department of Toxic Substances Control (DTSC), 2021. Human and Ecological Risk Office (HERO) Memorandum, Dust Action Levels for Parcel C, Hunters Point Naval Shipyard, San Francisco, California, July.

National Institute for Occupational Safety and Health, (NIOSH), 1994. Manual of Analytical Methods.

United States Environmental Protection Agency (EPA), 1999a. Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Specific Methods.

EPA, 1999b. Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air.

Gilbane Federal (Gilbane), 2019. *PR-RP-150 “Radiological Survey and Sampling”*. November.

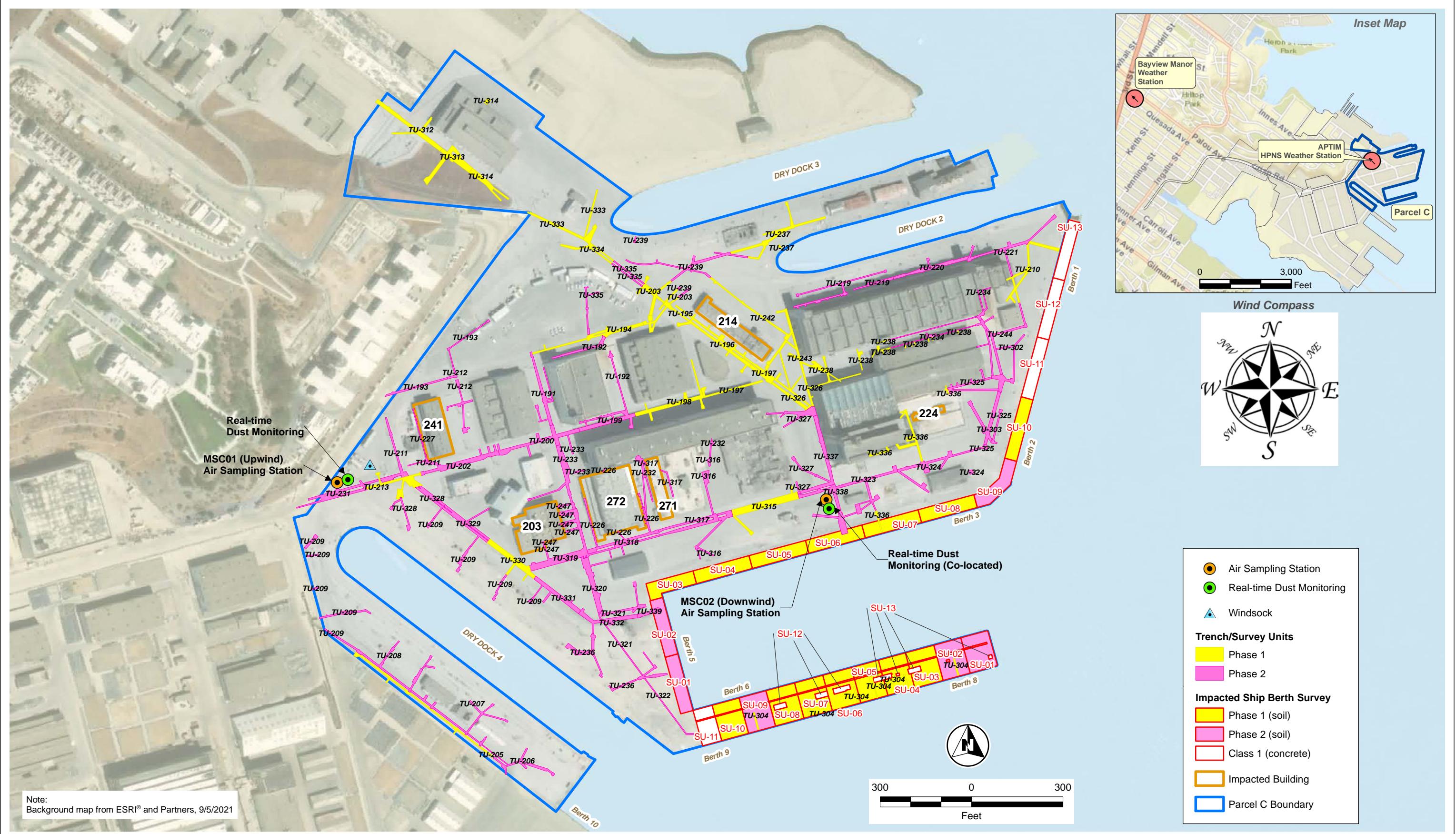
Gilbane, 2022. Final Parcel C Removal Site Evaluation Work Plan, Hunters Point Naval Shipyard, San Francisco, California. July

Tetra Tech EC, 2010, *Final Basewide Dust Control Plan, Revision 1, Hunters Point Shipyard, San Francisco, California*, November 29.

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FIGURES

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**Removal Site Evaluation Work Plan
Radiological Investigation, Survey, and Reporting at Parcel C
Hunters Point Naval Shipyard
San Francisco, California**



Figure 2-1
Air Sampling and Dust Monitoring Locations

ATTACHMENT 1
AMBIENT PRESSURE, TEMPERATURE, AND
PREVALENT WIND DIRECTION MONITORING RESULTS

Air Monitoring Summary Report
Parcel C Radiological Confirmation Sampling and Survey
Hunters Point Naval Shipyard, San Francisco, CA

Attachment 1

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Attachment 1: Ambient Pressure, Temperature, and Prevalent Wind Direction Monitoring Results

| Start Date | Ambient Pressure (in Hg) | Ambient Temperature (°F) | Prevalent Wind Direction |
|-------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 12/6/2022 ¹ | 30.09 | 49.95 | ESE |
| 12/7/2022 ¹ | 30.25 | 49.27 | S |
| 12/8/2022 ¹ | 30.25 | 49.27 | SSE |
| 12/12/2022 ¹ | 30.01 | 46.32 | NNW |
| 12/13/2022 ¹ | 30.16 | 46.70 | SE |
| 12/14/2022 ¹ | 30.21 | 46.47 | NNE |
| 12/19/2022 ¹ | 30.30 | 44.40 | NNW |
| 12/20/2022 ¹ | 30.31 | 48.36 | E |
| 12/21/2022 ¹ | 30.20 | 50.77 | N |
| 01/17/2023 ¹ | 30.07 | 48.87 | NNE |
| 01/18/2023 ¹ | 30.16 | 49.90 | ESE |
| 01/19/2023 ¹ | 30.21 | 48.70 | NNW |
| 01/23/2023 ¹ | 30.20 | 53.48 | ENE |
| 01/24/2023 ¹ | 30.34 | 53.29 | ESE |
| 02/02/2023 ¹ | 30.23 | 50.22 | ESE |
| 02/06/2023 ¹ | 30.35 | 50.98 | E |
| 02/07/2023 ¹ | 30.34 | 51.78 | E |
| 02/08/2023 ¹ | 30.31 | 53.27 | E |
| 02/09/2023 ¹ | 30.27 | 55.79 | ENE |
| 02/13/2023 ¹ | 29.96 | 50.55 | WNW |
| 02/14/2023 ¹ | 30.09 | 47.83 | WNW |
| 02/15/2023 ¹ | 30.25 | 47.93 | NNW |
| 02/16/2023 ¹ | 30.24 | 48.58 | SE |
| 02/20/2023 ¹ | 30.05 | 54.52 | WSW |
| 02/21/2023 ¹ | 29.79 | 47.61 | WNW |
| 02/22/2023 ¹ | 29.82 | 43.07 | WNW |
| 02/23/2023 ¹ | 29.85 | 44.76 | SSW |
| 03/01/2023 ¹ | 30.01 | 48.32 | NNW |
| 03/02/2023 ¹ | 30.16 | 51.09 | ESE |

Notes:

¹Data collected using wunderground.com from Bayview Manor - KCASANFR1775

°F = degree Fareheit

in Hg = inches of mercury

E = East

N = North

S = South

W = West

ATTACHMENT 2
ASBESTOS MONITORING RESULTS

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Attachment 2: Asbestos Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | | | Asbestos Fibers | | |
|--------------------------------------|------------------------------|--------------------|-------------------------|-----------------------|--------------------------------|-------------------|---|---------------------|
| Sample ID | Sample End Date ¹ | Monitoring Station | Ave Flow Rate (l/min) | Duration of Run (min) | Total Air Volume Monitored (L) | Asbestos (fibers) | Conc Asbestos (fibers/cm ³) | Exceedance (Yes/No) |
| MSC01-120622 | 12/07/22 | 1 | 3.7 | 1,334 | 4935 | 8.5 | 0.001 | No |
| MSC02-120622 | 12/07/22 | 2 | 3.7 | 1,353 | 5006 | 9.0 | 0.001 | No |
| MSC01-120722 | 12/08/22 | 1 | 3.5 | 1,443 | 5050 | 6.0 | 0.001 | No |
| MSC02-120722 | 12/08/22 | 2 | 3.7 | 1,442 | 5335 | 3.0 | < 0.001 | No |
| MSC01-120822 | 12/08/22 ² | 1 | 3.3 | 382 | 1260 | 5.0 | < 0.002 | No |
| MSC02-120822 | 12/08/22 ² | 2 | 3.4 | 383 | 1302 | 3.0 | < 0.002 | No |
| MSC01-121222 | 12/13/22 | 1 | 3.6 | 1,435 | 5166 | 9.5 | 0.001 | No |
| MSC02-121222 | 12/13/22 | 2 | 3.3 | 1,433 | 4728 | 5.5 | 0.001 | No |
| MSC01-121322 | 12/14/22 | 1 | 3.5 | 1,454 | 5089 | 5.0 | < 0.001 | No |
| MSC02-121322 | 12/14/22 | 2 | 3.3 | 1,456 | 4804 | 5.5 | 0.001 | No |
| MSC01-121422 | 12/15/22 | 1 | 3.6 | 1,434 | 5162 | 7.5 | 0.001 | No |
| MSC02-121422 | 12/15/22 | 2 | 3.3 | 1,432 | 4725 | 4.0 | < 0.001 | No |
| MSC01-121922 | 12/20/22 | 1 | 3.6 | 1,439 | 5180 | 4.0 | < 0.001 | No |
| MSC02-121922 | 12/20/22 | 2 | 3.4 | 1,430 | 4862 | 0.5 | < 0.001 | No |
| MSC01-122022 | 12/21/22 | 1 | 3.7 | 1,430 | 5291 | 3.0 | < 0.001 | No |
| MSC02-122022 | 12/21/22 | 2 | 3.7 | 1,443 | 5339 | 4.5 | < 0.001 | No |
| MSC01-122122 | 12/22/22 | 1 | 3.7 | 1,446 | 5350 | 7.0 | 0.001 | No |
| MSC02-122122 | 12/22/22 | 2 | 3.7 | 1,447 | 5353 | 8.0 | 0.001 | No |
| MSC01-011723 | 01/18/23 | 1 | 3.5 | 1,338 | 4683 | 21.0 | 0.002 | No |
| MSC02-011723 | 01/18/23 | 2 | 3.4 | 1,383 | 4702 | 13.0 | 0.001 | No |
| MSC01-011823 | 01/19/23 | 1 | 3.7 | 1,444 | 5342 | 16.0 | 0.001 | No |
| MSC02-011823 | 01/19/23 | 2 | 3.2 | 1,438 | 4601 | 16.5 | 0.002 | No |
| MSC01-011923 | 01/19/23 ² | 1 | 3.2 | 331 | 1059 | 6.5 | 0.003 | No |
| MSC02-011923 | 01/19/23 ² | 2 | 3.4 | 323 | 1098 | 11.5 | 0.005 | No |
| MSC01-012323 | 01/24/23 | 1 | 3.6 | 1,450 | 5220 | 12.5 | 0.001 | No |
| MSC02-012323 | 01/24/23 | 2 | 3.6 | 1,456 | 5241 | 13.0 | 0.001 | No |
| MSC01-012423 | 01/25/23 | 1 | 3.3 | 1,446 | 4771 | 19.5 | 0.002 | No |
| MSC02-012423 | 01/25/23 | 2 | 3.3 | 1,446 | 4771 | 13.5 | 0.001 | No |
| MSC01-020223 | 02/02/23 ² | 1 | 3.6 | 438 | 1576 | 10.0 | 0.003 | No |
| MSC02-020223 | 02/02/23 ² | 2 | 3.3 | 458 | 1511 | 13.0 | 0.004 | No |
| MSC01-020623 | 02/07/23 | 1 | 3.2 | 1,428 | 4569 | 9.5 | 0.001 | No |
| MSC02-020623 | 02/07/23 | 2 | 3.3 | 1,431 | 4722 | 9.0 | 0.001 | No |
| MSC01-020723 | 02/08/23 | 1 | 3.5 | 1,470 | 5145 | 10.0 | 0.001 | No |
| MSC02-020723 | 02/08/23 | 2 | 3.5 | 1,464 | 5124 | 11.5 | 0.001 | No |
| MSC01-020823 | 02/09/23 | 1 | 3.3 | 1,418 | 4679 | 14.5 | 0.002 | No |
| MSC02-020823 | 02/09/23 | 2 | 3.5 | 1,419 | 4966 | 9.5 | 0.001 | No |
| MSC01-020923 | 02/09/23 ² | 1 | 3.2 | 382 | 1222 | 9.5 | 0.004 | No |
| MSC02-020923 | 02/09/23 ² | 2 | 3.5 | 384 | 1344 | 10.0 | 0.004 | No |
| MSC01-021323 | 02/14/23 | 1 | 3.6 | 1,448 | 5212 | 10.0 | 0.001 | No |
| MSC02-021323 | 02/14/23 | 2 | 3.7 | 1,472 | 5446 | 10.0 | 0.001 | No |
| MSC01-021423 | 02/15/23 | 1 | 3.3 | 1,429 | 4715 | 15.0 | 0.002 | No |
| MSC02-021423 | 02/15/23 | 2 | 3.7 | 1,406 | 5202 | 12.0 | 0.001 | No |
| MSC01-021523 | 02/16/23 | 1 | 3.5 | 1,447 | 5064 | 12.0 | 0.001 | No |
| MSC02-021523 | 02/16/23 | 2 | 3.4 | 1,446 | 4916 | 12.0 | 0.001 | No |
| MSC01-021623 | 02/16/23 ² | 1 | 3.8 | 396 | 1504 | 10.5 | 0.003 | No |
| MSC02-021623 | 02/16/23 ² | 2 | 3.6 | 399 | 1436 | 11.0 | 0.001 | No |
| MSC01-022023 | 02/21/23 | 1 | 3.7 | 1,440 | 5328 | 15.5 | 0.001 | No |
| MSC02-022023 | 02/21/23 | 2 | 3.7 | 1,424 | 5268 | 16.0 | 0.001 | No |
| MSC01-022123 | 02/22/23 | 1 | 3.3 | 1,456 | 4804 | 14.0 | 0.001 | No |
| MSC02-022123 | 02/22/23 | 2 | 3.5 | 1,459 | 5106 | 26.0 | 0.002 | No |
| MSC01-022223 | 02/23/23 | 1 | 3.1 | 1,424 | 4414 | 12.5 | 0.001 | No |
| MSC02-022223 | 02/23/23 | 2 | 3.2 | 1,417 | 4534 | 12.5 | 0.001 | No |
| MSC01-022323 | 02/23/23 ² | 1 | 3.3 | 489 | 1613 | 7.0 | 0.002 | No |
| MSC02-022323 | 02/23/23 ² | 2 | 3.2 | 494 | 1580 | 7.0 | 0.002 | No |
| MSC01-030123 | 03/02/23 | 1 | 3.4 | 1,427 | 4851 | 18.0 | 0.002 | No |
| MSC02-030123 | 03/02/23 | 2 | 3.2 | 1,422 | 4550 | 13.0 | 0.001 | No |
| MSC01-030223 | 03/02/23 ² | 1 | 3.7 | 423 | 1565 | 16.5 | 0.005 | No |
| MSC02-030223 | 03/02/23 ² | 2 | 3.4 | 436 | 1482 | 13.0 | 0.004 | No |

Notes:

¹Sample "end" date indicates the date upon which sample collection ended.

²Air sample was taken down during the afternoon after field activities ceased.

Sample locations are shown on Figure 2-1.

l/min = liters per minute

L = liter

min = minutes

fibers/cm³ = fibers per cubic centimeter

< = below detection limit

ATTACHMENT 3
PARTICULATE MATTER, SMALLER THAN TEN MICRONS

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Attachment 3: Particulate Matter, Smaller than Ten Microns (PM10) Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | PM10 | | | | | | |
|--------------------------------------|--------------------|------------------------------|--|---|---|---|-----------------------------------|---------------------|---|----------------------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concentration in Air (mg/m ³) | PM10 Perimeter Concentration (Downwind - Upwind) (mg/m ³) | PM10 Perimeter Concentration (Downwind - Upwind) (ug/m ³) | Cal/OSHA PEL (ug/m ³) | Exceedance (Yes/No) | HERO Action Level ³ (ug/m ³) | Exceedance (Yes/No) ² |
| GESPM101722-640 | MSC01 | 12/7/22 | 1507.84 | 0.011 | 0.0040 | 4.000 | 5,000 | No | 50 | No |
| GESPM101722-641 | MSC02 | 12/7/22 | 1621.97 | 0.015 | | | | | | |
| GESPM101722-642 | MSC01 | 12/8/22 | 1591.23 | 0.013 | 0.0000 | 0.000 | 5,000 | No | 50 | No |
| GESPM101722-643 | MSC02 | 12/8/22 | 1712.70 | 0.013 | | | | | | |
| GESPM101722-644 | MSC01 | 12/8/22 ² | 442.87 | 0.014 | 0.005 | 5.000 | 5,000 | No | 50 | No |
| GESPM101722-645 | MSC02 | 12/8/22 ² | 480.23 | 0.019 | | | | | | |
| GESPM101722-647 | MSC01 | 12/13/22 | 1614.39 | 0.013 | 0.0030 | 3.000 | 5,000 | No | 50 | No |
| GESPM101722-648 | MSC02 | 12/13/22 | 1709.14 | 0.016 | | | | | | |
| GESPM101722-649 | MSC01 | 12/14/22 | 1629.43 | 0.014 | 0.002 | 2.000 | 5,000 | No | 50 | No |
| GESPM101722-650 | MSC02 | 12/14/22 | 1729.85 | 0.016 | | | | | | |
| GESPM101722-651 | MSC01 | 12/15/22 | 1635.44 | 0.024 | 0.002 | 2.000 | 5,000 | No | 50 | No |
| GESPM101722-652 | MSC02 | 12/15/22 | 1716.53 | 0.022 | | | | | | |
| PM113022-03 | MSC01 | 12/20/22 | 1668.08 | 0.024 J+ | 0.001 | 1.000 | 5,000 | No | 50 | No |
| PM113022-05 | MSC02 | 12/20/22 | 1694.70 | 0.025 J+ | | | | | | |
| PM113022-07 | MSC01 | 12/21/22 | 1698.07 | 0.030 J+ | 0.001 | 1.000 | 5,000 | No | 50 | No |
| PM113022-09 | MSC02 | 12/21/22 | 1704.09 | 0.029 J+ | | | | | | |
| PM113022-11 | MSC01 | 12/22/22 | 1525.86 | 0.102 J+ | 0.0176 | 17.648 | 5,000 | No | 50 | No |
| PM113022-13 | MSC02 | 12/22/22 | 1619.58 | 0.085 J+ | | | | | | |
| PM113022-17 | MSC01 | 1/18/23 | 1522.60 | 0.00985157 | -0.0046 | -4.588 | 5,000 | No | 50 | No |
| PM113022-19 | MSC02 | 1/18/23 | 1572.10 | 0.01443929 | | | | | | |
| PM113022-21 | MSC01 | 1/19/23 | 1639.48 | 0.00640447 | 0.005821 | 5.821 | 5,000 | No | 50 | No |
| PM113022-23 | MSC02 | 1/19/23 | 1644.10 | 0.01222553 | | | | | | |
| PM113022-25 | MSC01 | 1/19/23 ² | 400.35 | 0.37716998 J | -0.3744 | -374.429 | 5,000 | No | 50 | No |
| PM113022-27 | MSC02 | 1/19/23 ² | 364.82 | < 0.00274108 | | | | | | |
| PM113022-29 | MSC01 | 1/24/23 | 1655.00 | 0.01111782 | -0.002405 | -2.405 | 5,000 | No | 50 | No |
| PM113022-31 | MSC02 | 1/24/23 | 1663.87 | 0.01352269 | | | | | | |
| PM113022-35 | MSC01 | 1/25/23 | 1657.99 | 0.01827514 | 0.002547 | 2.547 | 5,000 | No | 50 | No |
| PM113022-37 | MSC02 | 1/25/23 | 1656.86 | 0.02082252 | | | | | | |
| PM113022-49 | MSC01 | 2/02/23 | 499.45 | 0.02322555 | 0.001430 | 1.430 | 5,000 | No | 50 | No |
| PM113022-51 | MSC02 | 2/02/23 | 515.09 | 0.02465589 | | | | | | |
| PM113022-55 | MSC01 | 2/07/23 | 1625.88 | 0.01260856 | -0.005 | -4.671 | 5,000 | No | 50 | No |
| PM113022-57 | MSC02 | 2/07/23 | 1631.96 | 0.01727984 | | | | | | |
| PM113022-59 | MSC01 | 2/08/23 | 1671.29 | 0.01537734 | -0.0687 | -68.651 | 5,000 | No | 50 | No |
| PM113022-61 | MSC02 | 2/08/23 | 1666.11 | 0.08402807 | | | | | | |
| PM113022-63 | MSC01 | 2/09/23 | 1627.76 | 0.01947462 | -0.001198 | -1.198 | 5,000 | No | 50 | No |
| PM113022-65 | MSC02 | 2/09/23 | 1499.60 | 0.02067218 | | | | | | |
| PM112922-22 | MSC01 | 2/09/23 ² | 447.97 | 0.01674219 | 0.0053 | 5.314 | 5,000 | No | 50 | No |
| PM112922-24 | MSC02 | 2/09/23 ² | 446.26 | 0.01142832 | | | | | | |
| PM011823-01 | MSC01 | 2/14/23 | 1246.37 | 0.02302687 | 0.002 | 2.063 | 5,000 | No | 50 | No |
| PM011823-03 | MSC02 | 2/14/23 | 1642.07 | 0.02509028 | | | | | | |
| PM011823-05 | MSC01 | 2/15/23 | 1264.50 | 0.00632661 | 0.0055 | 5.531 | 5,000 | No | 50 | No |
| PM011823-07 | MSC02 | 2/15/23 | 1568.66 | 0.01185725 | | | | | | |

Attachment 3: Particulate Matter, Smaller than Ten Microns (PM10) Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | PM10 | | | | | | |
|--------------------------------------|--------------------|------------------------------|--|---|---|---|-----------------------------------|---------------------|---|----------------------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concentration in Air (mg/m ³) | PM10 Perimeter Concentration (Downwind - Upwind) (mg/m ³) | PM10 Perimeter Concentration (Downwind - Upwind) (ug/m ³) | Cal/OSHA PEL (ug/m ³) | Exceedance (Yes/No) | HERO Action Level ³ (ug/m ³) | Exceedance (Yes/No) ² |
| PM011823-09 | MSC01 | 2/16/23 | 1629.47 | 0.01178297 | -3.101E-05 | -0.031 | 5,000 | No | 50 | No |
| PM011823-11 | MSC02 | 2/16/23 | 1633.77 | 0.01175196 | | | | | | |
| PM011823-13 | MSC01 | 2/16/23 ² | 426.46 | 0.01055199 | 0.0018 | 1.767 | 5,000 | No | 50 | No |
| PM011823-15 | MSC02 | 2/16/23 ² | 446.47 | 0.01231886 | | | | | | |
| PM012323-02 | MSC01 | 2/21/23 | 1637.36 | 0.02198661 | 0.005 | 4.783 | 5,000 | No | 50 | No |
| PM012323-04 | MSC02 | 2/21/23 | 1613.80 | 0.02676912 | | | | | | |
| PM012323-06 | MSC01 | 2/22/23 | 1644.55 | 0.02389711 | 0.0188 | 18.770 | 5,000 | No | 50 | No |
| PM012323-08 | MSC02 | 2/22/23 | 1642.96 | 0.04266689 | | | | | | |
| PM012323-10 | MSC01 | 2/23/23 | 1623.56 | 0.00856143 | 0.00271 | 2.709 | 5,000 | No | 50 | No |
| PM012323-12 | MSC02 | 2/23/23 | 1597.08 | 0.01127057 | | | | | | |
| PM011823-18 | MSC01 | 2/23/23 ² | 557.83 | 0.00681211 | 0.0003 | 0.272 | 5,000 | No | 50 | No |
| PM011823-20 | MSC02 | 2/23/23 ² | 550.56 | 0.0070837 | | | | | | |
| PM013023-17 | MSC01 | 3/02/23 | 1634.24 | 0.01994811 | -0.0064 | -6.444 | 5,000 | No | 50 | No |
| PM013023-19 | MSC02 | 3/02/23 | 1606.97 | 0.01350367 | | | | | | |
| PM013123-51 | MSC01 | 3/02/23 ² | 482.00 | 0.00497925 | 0.0104 | 10.425 | 5,000 | No | 50 | No |
| PM013123-53 | MSC02 | 3/02/23 ² | 480.38 | 0.01540447 | | | | | | |

Notes:

¹Air sample was not collected on days with rain.

²PM10 data is additionally compared to the recommended dust action level of 50 ug/m³ for total PM10 in accordance with the DTSC Human and Ecological Risk Office (HERO) Parcel E Memorandum dated April 29, 2019 (DTSC, 2019) for informational purposes only.

³Air sample was taken down during the afternoon after field activities ceased.

Sample locations are shown on Figure 2-1

min = minutes

Cal/OSHA = California Division of Occupational Safety and Health

HERO = Human and Ecological Risk Office

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

J+ = estimated concentration biased high

ATTACHMENT 4
LEAD AND MANGANESE MONITORING RESULTS

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Attachment 4: Lead and Manganese Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | Lead | | Manganese | |
|--------------------------------------|--------------------|------------------------------|--|---|---------------------|---|---------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) |
| GESPM101722-640 | MSC01 | 12/7/22 | 1507.84 | 0.0000017 | No | 0.0000032 | No |
| GESPM101722-641 | MSC02 | 12/7/22 | 1621.97 | 0.0000014 | No | 0.0000034 | No |
| GESPM101722-642 | MSC01 | 12/8/22 | 1591.23 | 0.0000009 | No | 0.0000028 | No |
| GESPM101722-643 | MSC02 | 12/8/22 | 1712.70 | 0.00000091 | No | 0.0000026 J | No |
| GESPM101722-644 | MSC01 | 12/8/22 ² | 442.87 | 0.0000032 | No | 0.0000079 | No |
| GESPM101722-645 | MSC02 | 12/8/22 ² | 480.23 | 0.0000019 J | No | 0.0000046 | No |
| GESPM101722-647 | MSC01 | 12/13/22 | 1614.39 | 0.0000012 | No | 0.0000027 | No |
| GESPM101722-648 | MSC02 | 12/13/22 | 1709.14 | 0.000001 | No | 0.0000023 | No |
| GESPM101722-649 | MSC01 | 12/14/22 | 1629.43 | 0.0000011 | No | 0.0000036 | No |
| GESPM101722-650 | MSC02 | 12/14/22 | 1729.85 | 0.00000095 | No | 0.0000027 | No |
| GESPM101722-651 | MSC01 | 12/15/22 | 1635.44 | 0.0000024 | No | 0.0000073 | No |
| GESPM101722-652 | MSC02 | 12/15/22 | 1716.53 | 0.000002 | No | 0.0000041 | No |
| PM113022-03 | MSC01 | 12/20/22 | 1668.08 | < 0.00000839 | No | < 0.00005875 | No |
| PM113022-05 | MSC02 | 12/20/22 | 1694.70 | < 0.00000826 | No | < 0.00005783 | No |
| PM113022-07 | MSC01 | 12/21/22 | 1698.07 | < 0.00000824 | No | < 0.00005771 | No |
| PM113022-09 | MSC02 | 12/21/22 | 1704.09 | < 0.00000822 | No | < 0.00005751 | No |
| PM113022-11 | MSC01 | 12/22/22 | 1525.86 | < 0.00000918 | No | < 0.00006423 | No |
| PM113022-13 | MSC02 | 12/22/22 | 1619.58 | < 0.00000864 | No | < 0.00006051 | No |
| TSP113022-18 | MSC01 | 1/18/23 | 1552.94 | < 0.00000902 | No | < 0.00006311 | No |
| TSP113022-20 | MSC02 | 1/18/23 | 1672.75 | < 0.00000837 | No | < 0.00005859 | No |
| TSP113022-22 | MSC01 | 1/19/23 | 1580.94 | < 0.00000886 | No | < 0.00006199 | No |
| TSP113022-24 | MSC02 | 1/19/23 | 1744.24 | < 0.00000803 | No | < 0.00005618 | No |
| TSP113022-26 | MSC01 | 1/19/23 ² | 397.82 | < 0.00003519 | No | < 0.00024634 | No |
| TSP113022-28 | MSC02 | 1/19/23 ² | 386.63 | < 0.00003621 | No | < 0.00025347 | No |
| TSP113022-30 | MSC01 | 1/24/23 | 1671.60 | < 0.00000838 | No | < 0.00005863 | No |
| TSP113022-32 | MSC02 | 1/24/23 | 1766.68 | < 0.00000792 | No | < 0.00005547 | No |
| TSP113022-36 | MSC01 | 1/25/23 | 1664.44 | < 0.00000841 | No | < 0.00005888 | No |
| TSP113022-38 | MSC02 | 1/25/23 | 1758.33 | < 0.00000796 | No | < 0.00005573 | No |
| TSP113022-50 | MSC01 | 2/02/23 | 500.30 | < 0.00002798 | No | < 0.00019588 | No |
| TSP113022-52 | MSC02 | 2/02/23 | 545.96 | < 0.00002564 | No | < 0.0001795 | No |
| TSP113022-56 | MSC01 | 2/07/23 | 1629.51 | < 0.00000859 UJ | No | < 0.00006014 | No |
| TSP113022-58 | MSC02 | 2/07/23 | 1728.66 | < 0.0000081 UJ | No | < 0.00005669 | No |
| TSP113022-60 | MSC01 | 2/08/23 | 1675.36 | < 0.00000836 UJ | No | < 0.00005849 | No |
| TSP113022-62 | MSC02 | 2/08/23 | 1766.71 | < 0.00000792 UJ | No | < 0.00005547 | No |
| TSP113022-64 | MSC01 | 2/09/23 | 1629.75 | < 0.00000859 UJ | No | < 0.00006013 | No |
| TSP113022-66 | MSC02 | 2/09/23 | 1590.49 | < 0.0000088 UJ | No | < 0.00006162 | No |
| TSP112922-23 | MSC01 | 2/09/23 ² | 447.38 | < 0.00003129 UJ | No | < 0.00021905 | No |
| TSP112922-25 | MSC02 | 2/09/23 ² | 474.14 | < 0.00002953 UJ | No | < 0.00020669 | No |
| TSP011823-02 | MSC01 | 2/14/23 | 1663.14 | < 0.00000842 | No | < 0.00005892 | No |
| TSP011823-04 | MSC02 | 2/14/23 | 1741.11 | < 0.00000804 | No | < 0.00005629 | No |
| TSP011823-06 | MSC01 | 2/15/23 | 1322.67 | < 0.00001058 | No | < 0.00007409 | No |
| TSP011823-08 | MSC02 | 2/15/23 | 1523.52 | < 0.00000919 | No | < 0.00006432 | No |
| TSP011823-10 | MSC01 | 2/16/23 | 1627.75 | < 0.0000086 | No | < 0.00006021 | No |
| TSP011823-12 | MSC02 | 2/16/23 | 1729.90 | < 0.00000809 | No | < 0.00005665 | No |
| TSP011823-14 | MSC01 | 2/16/23 ² | 424.73 | < 0.00003296 | No | < 0.00023073 | No |

Attachment 4: Lead and Manganese Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | Lead | | Manganese | |
|--------------------------------------|--------------------|------------------------------|--|---|---------------------|---|---------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) |
| TSP011823-16 | MSC02 | 2/16/23 ² | 472.40 | < 0.00002964 | No | < 0.00020745 | No |
| TSP012323-03 | MSC01 | 2/21/23 | 1649.30 | < 0.00000849 | No | < 0.00005942 | No |
| TSP012323-05 | MSC02 | 2/21/23 | 1715.45 | < 0.00000816 | No | < 0.00005713 | No |
| TSP012323-07 | MSC01 | 2/22/23 | 1677.34 | < 0.00000835 | No | < 0.00005843 | No |
| TSP012323-09 | MSC02 | 2/22/23 ³ | 732.84 | 0.00003084 | No | < 0.00013373 | No |
| TSP012323-11 | MSC01 | 2/23/23 | 1631.81 | < 0.00000858 | No | < 0.00006006 | No |
| TSP011823-17 | MSC02 | 2/23/23 | 1676.16 | < 0.00000835 | No | < 0.00005847 | No |
| TSP011823-19 | MSC01 | 2/23/23 ² | 557.12 | < 0.00002513 | No | < 0.0001759 | No |
| TSP011823-21 | MSC02 | 2/23/23 ² | 585.02 | < 0.00002393 | No | < 0.00016752 | No |
| TSP013023-18 | MSC01 | 3/02/23 | 1630.46 | < 0.00000859 | No | < 0.00006011 | No |
| TSP013023-20 | MSC02 | 3/02/23 | 1707.28 | < 0.0000082 | No | < 0.0000574 | No |
| TSP013123-52 | MSC01 | 3/02/23 ² | 480.87 | < 0.00002911 | No | < 0.0002038 | No |
| TSP013123-54 | MSC02 | 3/02/23 ² | 514.50 | < 0.00002721 | No | < 0.00019048 | No |

Notes:

¹Air sample was not collected on days with rain.

²Air sample was taken down during the afternoon after field activities ceased.

³Generator or sampler malfunction.

Sample locations are shown on Figure 2-1

m³ = cubic meters

mg/m³ = milligrams per cubic meter

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

J+ = estimated concentration biased high

< = below detection limit

< = below detection limit

ATTACHMENT 5
TOTAL SUSPENDED PARTICULATES
MONITORING RESULTS

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Attachment 5: Total Suspended Particulates Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | TSP | | | | | | |
|--------------------------------------|--------------------|------------------------------|--|--|--|--|-----------------------------------|---------------------|--|---------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concen-tration in Air (mg/m ³) | TSP Perimeter Concentration (Downwind - Upwind) (mg/m ³) | TSP Perimeter Concentration (Downwind - Upwind) (ug/m ³) | Cal/OSHA PEL (ug/m ³) | Exceedance (Yes/No) | HERO Action Level (ug/m ³) | Exceedance (Yes/No) |
| GESTSP101722-640 | MSC01 | 12/7/22 | 1528.50 | 0.0154 | 0.004200 | 4.200 | 5,000 | No | 500 | No |
| GESTSP101722-641 | MSC02 | 12/7/22 | 1774.67 | 0.0196 | | | | | | |
| GESTSP101722-642 | MSC01 | 12/8/22 | 1612.07 | 0.0217 | 0.0000 | 0.00 | 5,000 | No | 500 | No |
| GESTSP101722-643 | MSC02 | 12/8/22 | 1814.62 | 0.0217 | | | | | | |
| GESTSP101722-644 | MSC01 | 12/8/22 ² | 450.97 | 0.0495 | -0.0189 | -18.90 | 5,000 | No | 500 | No |
| GESTSP101722-645 | MSC02 | 12/8/22 ² | 506.50 | 0.0306 | | | | | | |
| GESTSP101722-647 | MSC01 | 12/13/22 | 1630.62 | 0.0248 | -0.003500 | -3.50 | 5,000 | No | 500 | No |
| GESTSP101722-648 | MSC02 | 12/13/22 | 1809.55 | 0.0213 | | | | | | |
| GESTSP101722-649 | MSC01 | 12/14/22 | 1634.67 | 0.0304 | -0.010 | -10.40 | 5,000 | No | 500 | No |
| GESTSP101722-650 | MSC02 | 12/14/22 | 1835.58 | 0.020 | | | | | | |
| GESTSP101722-651 | MSC01 | 12/15/22 | 1615.77 | 0.0549 | 0.024 | 24.00 | 5,000 | No | 500 | No |
| GESTSP101722-652 | MSC02 | 12/15/22 | 1823.15 | 0.0309 | | | | | | |
| TSP113022-04 | MSC01 | 12/20/22 | 1682.18 | 0.0838 | -0.0505 | -50.50 | 5,000 | No | 500 | No |
| TSP113022-06 | MSC02 | 12/20/22 | 1798.10 | 0.0333 | | | | | | |
| TSP113022-08 | MSC01 | 12/21/22 | 1720.20 | 0.0368 | -0.0001 | -0.10 | 5,000 | No | 500 | No |
| TSP113022-10 | MSC02 | 12/21/22 | 1808.38 | 0.0369 | | | | | | |
| TSP113022-12 | MSC01 | 12/22/22 | 1537.10 | 0.0485 | -0.0675 | -67.50 | 5,000 | No | 500 | No |
| TSP113022-14 | MSC02 | 12/22/22 | 1720.94 | 0.116 | | | | | | |
| TSP113022-18 | MSC01 | 1/18/23 | 1552.94 | 0.0164 | -0.080400 | -80.40 | 5,000 | No | 500 | No |
| TSP113022-20 | MSC02 | 1/18/23 | 1672.75 | 0.0968 | | | | | | |
| TSP113022-22 | MSC01 | 1/19/23 | 1580.94 | 0.00816 | 0.0663 | 66.34 | 5,000 | No | 500 | No |
| TSP113022-24 | MSC02 | 1/19/23 | 1744.24 | 0.0745 | | | | | | |
| TSP113022-26 | MSC01 | 1/19/23 ² | 397.82 | 0.00327 J | -0.00068 | -0.68 | 5,000 | No | 500 | No |
| TSP113022-28 | MSC02 | 1/19/23 ² | 386.63 | < 0.00259 | | | | | | |
| TSP113022-30 | MSC01 | 1/24/23 | 1671.60 | 0.0235 | -0.080500 | -80.50 | 5,000 | No | 500 | No |
| TSP113022-32 | MSC02 | 1/24/23 | 1766.68 | 0.104 | | | | | | |
| TSP113022-36 | MSC01 | 1/25/23 | 1664.44 | 0.035 | 0.070 | 70.00 | 5,000 | No | 500 | No |

Attachment 5: Total Suspended Particulates Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | TSP | | | | | | |
|--------------------------------------|--------------------|------------------------------|--|--|--|--|-----------------------------------|---------------------|--|---------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concen-tration in Air (mg/m ³) | TSP Perimeter Concentration (Downwind - Upwind) (mg/m ³) | TSP Perimeter Concentration (Downwind - Upwind) (ug/m ³) | Cal/OSHA PEL (ug/m ³) | Exceedance (Yes/No) | HERO Action Level (ug/m ³) | Exceedance (Yes/No) |
| TSP113022-38 | MSC02 | 1/25/23 | 1758.33 | 0.105 | | | | | | |
| TSP113022-50 | MSC01 | 2/02/23 | 500.30 | 0.0372 | -0.0053 | -5.30 | 5,000 | No | 500 | No |
| TSP113022-52 | MSC02 | 2/02/23 | 545.96 | 0.0319 | | | | | | |
| TSP113022-56 | MSC01 | 2/07/23 | 1629.51 | 0.0270 | 0.0018 | 1.80 | 5,000 | No | 500 | No |
| TSP113022-58 | MSC02 | 2/07/23 | 1728.66 | 0.0252 | | | | | | |
| TSP113022-60 | MSC01 | 2/08/23 | 1675.36 | 0.0321 | 0.0067 | 6.70 | 5,000 | No | 500 | No |
| TSP113022-62 | MSC02 | 2/08/23 | 1766.71 | 0.0254 | | | | | | |
| TSP113022-64 | MSC01 | 2/09/23 | 1629.75 | 0.0329 | 0.0035 | 3.50 | 5,000 | No | 500 | No |
| TSP113022-66 | MSC02 | 2/09/23 | 1590.49 | 0.0294 | | | | | | |
| TSP112922-23 | MSC01 | 2/09/23 ² | 447.38 | 0.0329 | 0.008000 | 8.00 | 5,000 | No | 500 | No |
| TSP112922-25 | MSC02 | 2/09/23 ² | 474.14 | 0.0249 | | | | | | |
| TSP011823-02 | MSC01 | 2/14/23 | 1663.14 | 0.045 | -0.0035 | -3.50 | 5,000 | No | 500 | No |
| TSP011823-04 | MSC02 | 2/14/23 | 1741.11 | 0.0415 | | | | | | |
| TSP011823-06 | MSC01 | 2/15/23 | 1322.67 | 0.0213 | 0.0032 | 3.20 | 5,000 | No | 500 | No |
| TSP011823-08 | MSC02 | 2/15/23 | 1523.52 | 0.0245 | | | | | | |
| TSP011823-10 | MSC01 | 2/16/23 | 1627.75 | 0.0286 | -0.011500 | -11.50 | 5,000 | No | 500 | No |
| TSP011823-12 | MSC02 | 2/16/23 | 1729.90 | 0.0171 | | | | | | |
| TSP011823-14 | MSC01 | 2/16/23 ² | 424.73 | 0.0165 | 0.003 | 2.60 | 5,000 | No | 500 | No |
| TSP011823-16 | MSC02 | 2/16/23 ² | 472.40 | 0.0191 | | | | | | |
| TSP012323-03 | MSC01 | 2/21/23 | 1649.30 | 0.0361 | -0.0005 | -0.50 | 5,000 | No | 500 | No |
| TSP012323-05 | MSC02 | 2/21/23 | 1715.45 | 0.0356 | | | | | | |
| TSP012323-07 | MSC01 | 2/22/23 | 1677.34 | 0.0411 | 0.0799 | 79.90 | 5,000 | No | 500 | No |
| TSP012323-09 | MSC02 | 2/22/23 ³ | 732.84 | 0.121 | | | | | | |
| TSP012323-11 | MSC01 | 2/23/23 | 1631.81 | 0.0192 | -0.0002 | -0.20 | 5,000 | No | 500 | No |
| TSP011823-17 | MSC02 | 2/23/23 | 1676.16 | 0.019 | | | | | | |
| TSP011823-19 | MSC01 | 2/23/23 ² | 557.12 | 0.0185 | -0.0082 | -8.20 | 5,000 | No | 500 | No |
| TSP011823-21 | MSC02 | 2/23/23 ² | 585.02 | 0.0103 | | | | | | |

Attachment 5: Total Suspended Particulates Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | TSP | | | | | | |
|--------------------------------------|--------------------|------------------------------|--|--|--|--|-----------------------------------|---------------------|--|---------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concen-tration in Air (mg/m ³) | TSP Perimeter Concentration (Downwind - Upwind) (mg/m ³) | TSP Perimeter Concentration (Downwind - Upwind) (ug/m ³) | Cal/OSHA PEL (ug/m ³) | Exceedance (Yes/No) | HERO Action Level (ug/m ³) | Exceedance (Yes/No) |
| TSP013023-18 | MSC01 | 3/02/23 | 1630.46 | 0.0182 | -0.0046 | -4.60 | 5,000 | No | 500 | No |
| TSP013023-20 | MSC02 | 3/02/23 | 1707.28 | 0.0136 | | | | | | |
| TSP013123-52 | MSC01 | 3/02/23 ² | 480.87 | 0.0206 | 0.0041 | 4.10 | 5,000 | No | 500 | No |
| TSP013123-54 | MSC02 | 3/02/23 ² | 514.50 | 0.0247 | | | | | | |

Notes:

¹Air sample was not collected on days with rain or when contaminated soil was not disturbed.

²Air sample was taken down during the afternoon after field activities ceased.

³Generator or sampler malfunction

Sample locations are shown on Figure 2-1

HPNS = Hunters Point Naval Shipyard

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

J+ = estimated concentration biased high

m³ = cubic meters

mg/m³ = milligrams per cubic meter

Bold = result above project screening criteria

ATTACHMENT 6
RADIONUCLIDES OF CONCERN AIR SAMPLING RESULTS

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Attachment 6: Radionuclides of Concern Air Sampling Results

| Date | Sample Location | Duration of Run (min) | Cesium-137 | | Plutonium-239/240 | | Radium-226 | | Strontium-90 | | Cobalt-60 | | Thorium-232 | | Exceedance (Yes/No) | |
|-------------------|-----------------|-----------------------|------------|----|-------------------|----|------------|----|--------------|----|-----------|----|-------------|----|---------------------|--|
| | | | 4.00E-11 | | 4.00E-15 | | 1.80E-13 | | 1.20E-12 | | 1.00E-11 | | 1.20E-15 | | | |
| | | | μCi/mL | | μCi/mL | | μCi/mL | | μCi/mL | | μCi/mL | | μCi/mL | | | |
| 12/6/22 -12/8/22 | 1 | 3178 | 3.91E-15 | U | 7.24E-16 | UJ | 4.57E-15 | U | 2.1E-14 | U | 5.28E-15 | U | 3.94E-16 | U | No | |
| | 2 | 3189 | 4.13E-15 | U | 1.61E-15 | UJ | 5.73E-15 | J | 1.9E-14 | U | 4.91E-15 | U | 1.24E-16 | | No | |
| 12/12/22-12/15/22 | 1 | 4747 | 2.85E-15 | U | 6.01E-16 | UJ | 2.42E-15 | U | 1.69E-14 | U | 2.8E-15 | U | 2.75E-16 | U | No | |
| | 2 | 4777 | 2.91E-15 | U | 9.2E-16 | UJ | 4.84E-15 | J | 1.39E-14 | U | 2.77E-15 | U | 2.63E-16 | | No | |
| 12/19/22-12/22/22 | 1 | 4342 | 2.63E-15 | U | 6.31E-16 | UJ | 5.32E-15 | J | 1.9E-14 | U | 3.6E-15 | U | 2.64E-16 | J | No | |
| | 2 | 4348 | 7.16E-15 | U | 6.72E-16 | UJ | 4.65E-15 | J | 1.6E-14 | U | 7.04E-15 | U | 2.92E-16 | UJ | No | |
| 01/17/23-01/19/23 | 1 | 3089 | 5.32E-15 | U | 5.7E-16 | U | 8.1E-14 | U | 2.48E-14 | UJ | 5.08E-15 | U | 4.01E-16 | U | No | |
| | 2 | 3097 | 3.83E-15 | U | 7.51E-16 | U | 4.83E-14 | U | 2.03E-14 | U | 4.53E-15 | U | 3.98E-16 | U | No | |
| 01/23/23-01/25/23 | 1 | 3403 | 3.58E-15 | U | 6.37E-16 | UJ | 4.55E-14 | UJ | 1.68E-14 | U | 4.13E-15 | UJ | 3.87E-16 | U | No | |
| | 1* | 3403 | 4.41E-15 | U | 9.47E-16 | UJ | 4.34E-14 | UJ | 2E-14 | U | 5.59E-15 | U | 4.1E-16 | U | No | |
| | 2 | 3233 | 4.58E-15 | UJ | 6.03E-16 | UJ | 8.04E-14 | UJ | 1.98E-14 | U | 5.72E-15 | U | 4.68E-16 | U | No | |

Notes:

* = duplicate sample

J = result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value

min = minutes

U = activity is less than the MDC

UJ = estimated MDC

μCi/mL= microcuries per milliliter

ATTACHMENT 7

LABORATORY REPORTS

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Laboratory Analysis Report

Job ID : 23012881



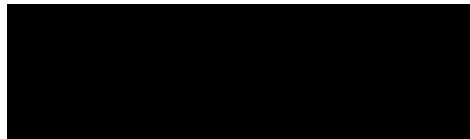
10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation

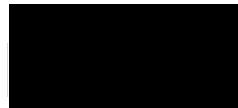
| | | |
|--------------------|---|----------------------------------|
| Report To : | Client Name: GES - ASRC Industrial | Total Number of Pages: 8 |
| | Attn: [REDACTED] | P.O.#. : |
| | Client Address: 1501 West Fountainhead Parkway, Ste. #550 | Date Received : 01/26/2023 23:35 |
| | City, State, Zip: Tempe, Arizona, 85282 | Sample Collected By : |

A&B Labs has analyzed the following samples...

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| FBC-011723 | 1/17/2023 8:00 | Cassette | 23012881.01 |
| MSC01-011723 | 1/18/2023 7:52 | Cassette | 23012881.02 |
| MSC02-011723 | 1/18/2023 7:46 | Cassette | 23012881.03 |
| MSC01-011823 | 1/19/2023 7:58 | Cassette | 23012881.04 |
| MSC02-011823 | 1/19/2023 7:45 | Cassette | 23012881.05 |
| MSC01-011923 | 1/19/2023 13:30 | Cassette | 23012881.06 |
| MSC02-011923 | 1/19/2023 13:10 | Cassette | 23012881.07 |



Analyst:



Title: Vice President Operations

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Any TWA calculations are based on client supplied data not lab observation.

ab-q210-0321

2/3/2023



**ANALYSIS OF AIRBORNE FIBER SAMPLING
SAMPLING PERFORMED BY CLIENT**
ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.
AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080

Date 2/3/2023

Job ID : 23012881
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | Project: J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | | | | | | | | Attn: | | |
|-------------------------------|------------------|--|-------------|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------|---------------|-------------|
| A&B Sample ID | Client Sample ID | Collected Date | Area/Person | Flow Rate L/m | Time On | Time Off | Total Time (min) | Volume (Liters) | Total Fields | Total Fibers | F/mm2 | Fiber/cc | 8 Hour TWA | Analysis Date | Analyzed By |
| 23012881.01 | FBC-011723 | 01/17/2023 | Area | | | | 0 | 100 | 14.0 | 17.834 | 0.000 | | 02/03/23 | | |
| 23012881.02 | MSC01-011723 | 01/18/2023 | Area | 3.5 | | | 1338 | 4683 | 100 | 21 | 26.752 | 0.002 | 02/03/23 | | |
| 23012881.03 | MSC02-011723 | 01/18/2023 | Area | 3.4 | | | 1383 | 4702. | 100 | 13.0 | 16.561 | 0.001 | 02/03/23 | | |
| 23012881.04 | MSC01-011823 | 01/19/2023 | Area | 3.7 | | | 1444 | 5342. | 100 | 16.0 | 20.382 | 0.001 | 02/03/23 | | |
| 23012881.05 | MSC02-011823 | 01/19/2023 | Area | 3.2 | | | 1438 | 4601. | 100 | 16.5 | 21.019 | 0.002 | 02/03/23 | | |
| 23012881.06 | MSC01-011923 | 01/19/2023 | Area | 3.2 | | | 331 | 1059. | 100 | 6.5 | 8.280 | 0.003 | 02/03/23 | | |
| 23012881.07 | MSC02-011923 | 01/19/2023 | Area | 3.4 | | | 323 | 1098. | 100 | 11.5 | 14.650 | 0.005 | 02/03/23 | | |

Detection limit of this method is estimated at 7 f/mm² (5.5 fibers per 100 fields)

Sr Value

(Fiber Range*; Sr Value): (5-20; Sr = 0.06), (20-50; Sr = 0.05), (50-100; Sr = 0.04), (>100; Sr = 0.04)

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload,Unable To Read



Sample Condition Checklist

| A&B JobID : 23012881 | Date Received : 01/26/2023 | Time Received : 11:35PM | | |
|--|--|--------------------------------|-----------|------------|
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 22.0°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water <input type="checkbox"/> Soil <input type="checkbox"/> Liquid <input type="checkbox"/> Sludge <input type="checkbox"/> Solid <input type="checkbox"/> Cassette <input checked="" type="checkbox"/> Tube <input type="checkbox"/> Bulk <input type="checkbox"/> Badge <input type="checkbox"/> Food <input type="checkbox"/> Other <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:

Black Cassettes. No Cooler was received, however sample are received in a box with a custody seal. ~ [REDACTED] 01/27/23

Received by : [REDACTED]

Check in by/date : [REDACTED] / 01/27/2023

ab-s005-0321

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # 012423ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| | | | | | | | | | | |
|--------------------------|-----------------|---------|------------|-----------------------|------------|-----------------------------|----------------------------|-------------|----------------|----------|
| Comments: | | | | | | Code Matrix | | Page 1 of 3 | | |
| | | | | | | A | Air | | | |
| | | | | | | AQ | Air Quality Control Matrix | | | |
| | | | | | | Code Container/Preservative | | | | |
| | | | | | | 1 | Filter/No Preservatives | | | |
| Equipment: | | | | | | Location ID | | Sample Type | Depth (ft bgs) | Comments |
| Event: Parcel B Asbestos | | | | | | FBC | | FB1 | 0.00 | 1 |
| 01A | Sample ID | Matrix | Date | Time | Samp Init. | MSC01 | | N1 | 0.00 | 1 |
| 02A | 1 FBC-011723 | AQ | 11723 | 0800 | x | MSC02 | | N1 | 0.00 | 1 |
| 03A | 2 MSC01-011723 | A | 11823 | 0752 | x | | | | | |
| 04 | 3 MSC02-011723 | A | 11823 | 0746 | x | | | | | |
| 05 | | | | | | | | | | |
| 06 | | | | | | | | | | |
| 07 | | | | | | | | | | |
| 08 | | | | | | | | | | |
| 09 | | | | | | | | | | |
| 10 | Job ID:23012881 | Barcode | 01/26/2023 | GES - ASRC Industrial | ACH | | | | | |
| 11 | | | | | | | | | | |

| Turnaround Time: 7 days | | | | | | |
|------------------------------|---------|------|--------------------------|---------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 1/24/23 | 1400 | Fedex. | 1/24/23 | 1400 | Shipping Date: 1/24/23 / FEDEX 7708 5581 4675 Fedex # 7709 0717 6907 |
| Fedex | | | Fedex | 1/26/23 | 1135 | Received by Laboratory: (Signature, Date, Time) & condition [REDACTED] |

22.0
TR4

**CHAIN-OF-CUSTODY
RECORD**

Gibbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 012423ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | | Analytical Test Method | | | | | | | Code Matrix | | | | | Page 2 of 3 | | | | | | | | |
|--------------------------|--------------|--------|---------|------|------------|------------------------|--|------------|--|--|--|--|---------------|----------------------------|--|-------------|--------------|-------------|----|----------------|---|--------|--|----------|--|--|
| | | | | | | | | | | | | | A | Air | | | | | | | | | | | | |
| | | | | | | | | | | | | | AQ | Air Quality Control Matrix | | | | | | | | | | | | |
| | | | | | | | | | | | | | Code | Container/Preservative | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1 | Filter/No Preservatives | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Event: Parcel B Asbestos | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Sample ID | | Matrix | | Date | | Time | | Samp Init. | | | | | | | | Location ID | | Sample Type | | Depth (ft bgs) | | Cooler | | Comments | | |
| | | | | | | | | | | | | | | | | | Top - Bottom | | | | | | | | | |
| 1 | MSC01-011823 | A | 1/19/23 | 0758 | [REDACTED] | x | | | | | | | | | | | MSC01 | N1 | N1 | 0.00 | 1 | | | | | |
| 2 | MSC02-011823 | A | 1/19/23 | 0745 | [REDACTED] | x | | | | | | | | | | | MSC02 | N1 | N1 | 0.00 | 1 | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/24/23 | 1400 | Fedex | 1/24/23 | 1400 | Shipping Date: 1/24/23 / FEDEX 7708 5581 4675 |
| | | | [REDACTED] | | | Fedex 7709 0717 6907 |

Received by Laboratory: (Signature, Date, Time) & condition

72.0
TIR4

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 012423ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | Asbestos | | Code Matrix | | Page 3 of 3 | | | |
|--------------------------|----------------|--------|---------|------|------------------------|---|---------------------------------|-------------|----------------|------|--------|----------|
| | | | | | | | A Air | | | | | |
| | | | | | | | AQ Air Quality Control Matrix | | | | | |
| Equipment: | | | | | Analytical Test Method | | Code Container/Preservative | | | | | |
| Event: Parcel B Asbestos | | | | | 1 | | 1 Filter/No Preservatives | | | | | |
| CQA-01A CQA-02A | Sample ID | Matrix | Date | Time | Samp Init. | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| | 1 MSC01-011923 | A | 1/19/23 | 1330 | [REDACTED] | x | MSC01 | N1 | N1 | 0.00 | 1 | |
| | 2 MSC02-011923 | A | 1/19/23 | 1310 | [REDACTED] | x | MSC02 | N | N1 | 0.00 | 1 | |
| | 3 | | | | | | | | | | | |
| | 4 | | | | | | | | | | | |
| | 5 | | | | | | | | | | | |
| | 6 | | | | | | | | | | | |
| | 7 | | | | | | | | | | | |
| | 8 | | | | | | | | | | | |
| | 9 | | | | | | | | | | | |
| | 10 | | | | | | | | | | | |
| | 11 | | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|--|
| [REDACTED] | 1/24/23 | 1400 | Fedex | 1/24/23 | 1400 | Shipping Date: 1/24/23 / FEDEX 7708 5581 4675 |
| /Fed ex | | | [REDACTED] | | | Fedex: 7709 0717 6907 Received by Laboratory: (Signature, Date, Time) & condition |

22.0
FR4

Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation

Project Number: J310000600

WBS Code: J310000600

| Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) |
|--------------|----------|----------|--------------------------------------|
| FBC-011723 | 01/17/23 | 8:00 | NA |
| MSC01-011723 | 01/18/23 | 7:52 | 3.5; 1338 |
| MSC02-011723 | 01/18/23 | 7:46 | 3.4; 1383 |
| MSC01-011823 | 01/19/23 | 7:58 | 3.7; 1444 |
| MSC02-011823 | 01/19/23 | 7:45 | 3.2; 1438 |
| MSC01-011923 | 01/19/23 | 13:30 | 3.2; 331 |
| MSC02-011923 | 01/19/23 | 13:10 | 3.4; 323 |

ORIGIN ID:JCCA

GES-AIS
200 FISCHER AVE

SAN FRANCISCO, CA 94124
UNITED STATES US

TO

SHIP DATE: 04JAN23
ACTWGT: 1.00 LB
CAD: 254128867/INET4530

BILL SENDER

A&B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060
INV
PO

REF J31000900 02/04/05

DEPT



TRK#
0201 7709 0717 6907

THU - 05 JAN 4:30P
STANDARD OVERNIGHT

UA HBYA

77029
TX-US IAH



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 2. Fold the printed page along the horizontal line.
 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.
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Laboratory Analysis Report

Job ID : 23020334



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation

| | | |
|--------------------|---|----------------------------------|
| Report To : | Client Name: GES - ASRC Industrial | Total Number of Pages: 7 |
| | Attn: [REDACTED] [REDACTED] | P.O.#. : |
| | Client Address: 1501 West Fountainhead Parkway, Ste. #550 | Date Received : 02/03/2023 10:57 |
| | City, State, Zip: Tempe, Arizona, 85282 | Sample Collected By : |

A&B Labs has analyzed the following samples...

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|-------------------------|--|---------------|------------------------------|
| FBC-012323 | 1/23/2023 8:00 | Cassette | 23020334.01 |
| MSC01-012323 | 1/24/2023 7:47 | Cassette | 23020334.02 |
| MSC02-012323 | 1/24/2023 7:33 | Cassette | 23020334.03 |
| MSC01-012423 | 1/25/2023 7:54 | Cassette | 23020334.04 |
| MSC02-012423 | 1/25/2023 7:40 | Cassette | 23020334.05 |

Title: Vice President Operations

Analyst:

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Any TWA calculations are based on client supplied data not lab observation.

ab-q210-0321

2/10/2023



**ANALYSIS OF AIRBORNE FIBER SAMPLING
SAMPLING PERFORMED BY CLIENT**
ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.
AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080

Date 2/10/2023

Job ID : 23020334

Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | Project: J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | | | | | | | | Attn: | | |
|-------------------------------|------------------|--|-------------|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------|---------------|-------------|
| A&B Sample ID | Client Sample ID | Collected Date | Area/Person | Flow Rate L/m | Time On | Time Off | Total Time (min) | Volume (Liters) | Total Fields | Total Fibers | F/mm2 | Fiber/cc | 8 Hour TWA | Analysis Date | Analyzed By |
| 23020334.01 | FBC-012323 | 01/23/2023 | Area | | | | 0 | 100 | 0.5 | 0.637 | | | 02/10/23 | [REDACTED] | |
| 23020334.02 | MSC01-012323 | 01/24/2023 | Area | 3.6 | | | 1450 | 5220 | 100 | 12.5 | 15.924 | 0.001 | 02/10/23 | [REDACTED] | |
| 23020334.03 | MSC02-012323 | 01/24/2023 | Area | 3.6 | | | 1456 | 5241. | 100 | 13 | 16.561 | 0.001 | 02/10/23 | [REDACTED] | |
| 23020334.04 | MSC01-012423 | 01/25/2023 | Area | 3.3 | | | 1446 | 4771. | 100 | 19.5 | 24.841 | 0.002 | 02/10/23 | [REDACTED] | |
| 23020334.05 | MSC02-012423 | 01/25/2023 | Area | 3.3 | | | 1446 | 4771. | 100 | 13.5 | 17.197 | 0.001 | 02/10/23 | [REDACTED] | |

Detection limit of this method is estimated at 7 f/mm² (5.5 fibers per 100 fields)

Sr Value

(Fiber Range*; Sr Value): (5-20; Sr = 0.06), (20-50; Sr = 0.05), (50-100; Sr = 0.04), (>100; Sr = 0.04)

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload,Unable To Read



Sample Condition Checklist

| A&B JobID : 23020334 | Date Received : 02/03/2023 | Time Received : 10:57AM | | | | | | | | | |
|---|-----------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|--|-------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|
| Client Name : GES - ASRC Industrial | | | | | | | | | | | |
| Temperature : 22.0°C | Sample pH : NA | | | | | | | | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | | | | | | | | |
| Perservative : | | | | | | | | | | | |
| | Check Points | | | | Yes | No | N/A | | | | |
| 1. Cooler Seal present and signed. | | | | | X | | | | | | |
| 2. Sample(s) in a cooler. | | | | | | X | | | | | |
| 3. If yes, ice in cooler. | | | | | | | X | | | | |
| 4. Sample(s) received with chain-of-custody. | | | | | X | | | | | | |
| 5. C-O-C signed and dated. | | | | | X | | | | | | |
| 6. Sample(s) received with signed sample custody seal. | | | | | | X | | | | | |
| 7. Sample containers arrived intact. (If No comment) | | | | | X | | | | | | |
| 8. Matrix: | Water <input type="checkbox"/> | Soil <input type="checkbox"/> | Liquid <input type="checkbox"/> | Sludge <input type="checkbox"/> | Solid <input type="checkbox"/> | Cassette <input checked="" type="checkbox"/> | Tube <input type="checkbox"/> | Bulk <input type="checkbox"/> | Badge <input type="checkbox"/> | Food <input type="checkbox"/> | Other <input type="checkbox"/> |
| 9. Samples were received in appropriate container(s) | | | | | X | | | | | | |
| 10. Sample(s) were received with Proper preservative | | | | | | | X | | | | |
| 11. All samples were tagged or labeled. | | | | | X | | | | | | |
| 12. Sample ID labels match C-O-C ID's. | | | | | X | | | | | | |
| 13. Bottle count on C-O-C matches bottles found. | | | | | X | | | | | | |
| 14. Sample volume is sufficient for analyses requested. | | | | | X | | | | | | |
| 15. Samples were received with in the hold time. | | | | | X | | | | | | |
| 16. VOA vials completely filled. | | | | | | | X | | | | |
| 17. Sample accepted. | | | | | X | | | | | | |
| 18. Has client been contacted about sub-out | | | | | | | X | | | | |

Comments : Include actions taken to resolve discrepancies/problem:

Black Cassettes. No cooler was received, however samples are received in a box with a custody seal. ~ [REDACTED] 2/3/2023

Received by : [REDACTED]

Check in by/date : [REDACTED] / 02/03/2023

ab-s005-0321



02/03/2023 GES - ASRC Industrial ACH

Lane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 013123ASBC

SAMPLE LOGO
RECORD

| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| | | | | | | | | | | |
|------------|--------------------------|----------|------------|------------|------------|-----------------------------|---------------------------|-------------------------------|--------|----------|
| Comments: | Analytical Test Method | Asbestos | [REDACTED] | X/3/23 | 1/23 | Code Matrix | Page 1 of 3 | | | |
| | | | | | | | A Air | AQ Air Quality Control Matrix | | |
| Equipment: | Event: Parcel B Asbestos | 1 | [REDACTED] | [REDACTED] | [REDACTED] | Code Container/Preservative | | | | |
| | | | | | | | 1 Filter/No Preservatives | | | |
| 01A | Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| 1 | FBC-012323 | AQ | 1/23/23 | 0800 | x | FBC | FB1 | FB1 | 0.00 | 1 |
| 02A | 2 MSC01-012323 | A | 1/24/23 | 0747 | x | MSC01 | N1 | N1 | 0.00 | 1 |
| 03P | 3 MSC02-012323 | A | 1/24/23 | 0733 | x | MSC02 | N1 | N1 | 0.00 | 1 |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|-------|--------------------------|---------|-------|---|
| [REDACTED] | 1/31/23 | 1400 | FedEx | 1/31/23 | 1400 | Shipping Date: 01/31/23 / FEDEX 7710 7763 5221 |
| FedEx | 1/31/23 | 10:57 | [REDACTED] | 2/3/23 | 10:57 | Received by Laboratory: (Signature, Date, Time) & condition |
| | 2/3/23 | | | | | [REDACTED] |

22.0 IR4

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 013123ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| | | | | | | | | | | | |
|------------------------------|----------------|------------------------|----------------------------|--------------------------|----------------|-------------|----------|---|------|---|--|
| Comments: | | Analytical Test Method | Asbestos | Code | Matrix | Page 2 of 3 | | | | | |
| | | | | | A | | Air | | | | |
| | | AQ | Air Quality Control Matrix | | | | | | | | |
| Equipment: | | 1 | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments | | | | |
| Event: Parcel B Asbestos | | | | | | | | Top - Bottom | | | |
| 04A 05A | Sample ID | Matrix | Date | Time | Samp Init. | MSC01 | N1 | N1 | 0.00 | 1 | |
| | 1 MSC01-012423 | A | 1/25/23 | 0754 | [REDACTED] | MSC02 | N1 | N1 | 0.00 | 1 | |
| | 2 MSC02-012423 | A | 1/25/23 | 0740 | [REDACTED] | | | | | | |
| | 3 | | | | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| | 6 | | | | | | | | | | |
| | 7 | | | | | | | | | | |
| | 8 | | | | | | | | | | |
| | 9 | | | | | | | | | | |
| | 10 | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| Turnaround Time: 7 days | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Shipping Date / Carrier / Airbill Number | | | |
| [REDACTED] | | 1/31/23 | 1400 | FedEx | | 1/31/23 | 1400 | Shipping Date: 01/31/23 / FEDEX 7710 7763 5221 | | | |
| Fed-ex | | 2/3/23 | 10:57 | [REDACTED] | | 2/3/23 | 10:57 | Received by Laboratory: (Signature, Date, Time) & condition | | | |
| 22.0 IP4 | | | | | | | | | | | |

1131/23

~~Page 4 of 4~~

Page 3 of 3

COC ID # [REDACTED] 013122ASBC

| | | | | | | | | |
|--|----------|----------|--------------------------------------|--------------------------|--|--|--|--|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Event: Parcel C Asbestos | | | | |
| Project Number: J310000600 | | | | | | | | |
| WBS Code: J310000600 | | | | | | | | |
| Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) | | | | | |
| FBC-012323 | 23-Jan | 8:00 | NA | | | | | |
| MSC01-012323 | 24-Jan | 7:47 | 3.6; 1450 | | | | | |
| MSC02-012323 | 24-Jan | 7:33 | 3.6; 1456 | | | | | |
| MSC01-012423 | 25-Jan | 7:54 | 3.3; 1446 | | | | | |
| MSC02-012423 | 25-Jan | 7:40 | 3.3; 1446 | | | | | |
| | | | | | | | | |
| | | | | | | | | |

ORIGIN ID:JCCA [REDACTED]

GES-AIS
200 FISCHER AVE

SAN FRANCISCO, CA 94124
UNITED STATES US

TO [REDACTED]

SHIP DATE: 19JAN23
ACTWGT: 1.00 LB
CAD: 254128867/NET4580

BILL SENDER

A&B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

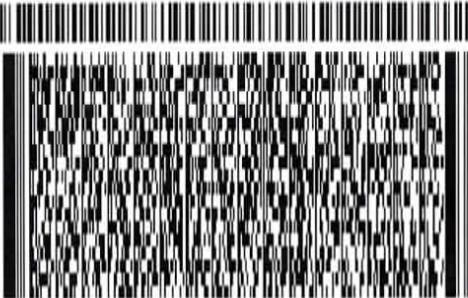
(713) 453-6060

INV
PO

REF J31000900 02/04/05

DEPT

5811020297/FED2D



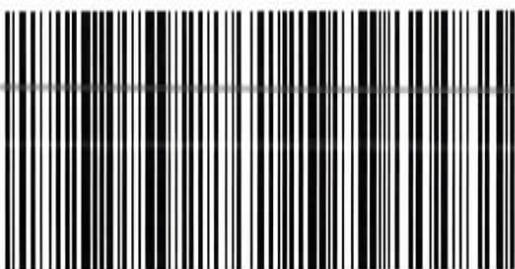
FRI - 20 JAN 4:30P

STANDARD OVERNIGHT

TRK# 7710 7763 5221
0201

UA HBYA

77029
TX-US IAH



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 2. Fold the printed page along the horizontal line.
 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.
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Laboratory Analysis Report

Job ID : 23020820



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation

| | | |
|--------------------|---|----------------------------------|
| Report To : | Client Name: GES - ASRC Industrial | Total Number of Pages: 7 |
| | Attn: [REDACTED] | P.O.#. : |
| | Client Address: 1501 West Fountainhead Parkway, Ste. #550 | Date Received : 02/08/2023 11:57 |
| | City, State, Zip: Tempe, Arizona, 85282 | Sample Collected By : |

A&B Labs has analyzed the following samples...

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| FBC-020123 | 2/1/2023 8:00 | Cassette | 23020820.01 |
| MSC01-020223 | 2/2/2023 14:59 | Cassette | 23020820.02 |
| MSC02-020223 | 2/2/2023 15:08 | Cassette | 23020820.03 |



Title: Vice President Operations

Analyst:



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ab-q210-0321

2/16/2023



**ANALYSIS OF AIRBORNE FIBER SAMPLING
SAMPLING PERFORMED BY CLIENT**

**ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.
AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080**

Date 2/16/2023

Job ID : 23020820

Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | Project: J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | | | | | | | | Attn: | | |
|-------------------------------|------------------|--|-------------|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------|---------------|-------------|
| A&B Sample ID | Client Sample ID | Collected Date | Area/Person | Flow Rate L/m | Time On | Time Off | Total Time (min) | Volume (Liters) | Total Fields | Total Fibers | F/mm2 | Fiber/cc | 8 Hour TWA | Analysis Date | Analyzed By |
| 23020820.01 | FBC-020123 | 02/01/2023 | Area | | | | 0 | 100 | 0.5 | 0.637 | | | 02/16/23 | [REDACTED] | |
| 23020820.02 | MSC01-020223 | 02/02/2023 | Area | 3.6 | | | 438 | 1576. | 100 | 10 | 12.739 | 0.003 | | 02/16/23 | [REDACTED] |
| 23020820.03 | MSC02-020223 | 02/02/2023 | Area | 3.3 | | | 458 | 1511. | 100 | 13.0 | 16.561 | 0.004 | | 02/16/23 | [REDACTED] |

Detection limit of this method is estimated at 7 f/mm² (5.5 fibers per 100 fields)

Sr Value

(Fiber Range*; Sr Value): (5-20; Sr = 0.06), (20-50; Sr = 0.05), (50-100; Sr = 0.04), (>100; Sr = 0.04)

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload,Unable To Read



Sample Condition Checklist

| A&B JobID : 23020820 | Date Received : 02/08/2023 | Time Received : 11:57AM | | | | | | | | | |
|---|-----------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|--|-------------------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|
| Client Name : GES - ASRC Industrial | | | | | | | | | | | |
| Temperature : 23.0°C | Sample pH : NA | | | | | | | | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | | | | | | | | |
| Perservative : | | | | | | | | | | | |
| | Check Points | | | | Yes | No | N/A | | | | |
| 1. Cooler Seal present and signed. | | | | | X | | | | | | |
| 2. Sample(s) in a cooler. | | | | | | X | | | | | |
| 3. If yes, ice in cooler. | | | | | | | X | | | | |
| 4. Sample(s) received with chain-of-custody. | | | | | X | | | | | | |
| 5. C-O-C signed and dated. | | | | | X | | | | | | |
| 6. Sample(s) received with signed sample custody seal. | | | | | | X | | | | | |
| 7. Sample containers arrived intact. (If No comment) | | | | | X | | | | | | |
| 8. Matrix: | Water <input type="checkbox"/> | Soil <input type="checkbox"/> | Liquid <input type="checkbox"/> | Sludge <input type="checkbox"/> | Solid <input type="checkbox"/> | Cassette <input checked="" type="checkbox"/> | Tube <input type="checkbox"/> | Bulk <input type="checkbox"/> | Badge <input type="checkbox"/> | Food <input type="checkbox"/> | Other <input type="checkbox"/> |
| 9. Samples were received in appropriate container(s) | | | | | X | | | | | | |
| 10. Sample(s) were received with Proper preservative | | | | | | | X | | | | |
| 11. All samples were tagged or labeled. | | | | | X | | | | | | |
| 12. Sample ID labels match C-O-C ID's. | | | | | X | | | | | | |
| 13. Bottle count on C-O-C matches bottles found. | | | | | X | | | | | | |
| 14. Sample volume is sufficient for analyses requested. | | | | | X | | | | | | |
| 15. Samples were received with in the hold time. | | | | | X | | | | | | |
| 16. VOA vials completely filled. | | | | | | | X | | | | |
| 17. Sample accepted. | | | | | X | | | | | | |
| 18. Has client been contacted about sub-out | | | | | | | X | | | | |

Comments : Include actions taken to resolve discrepancies/problem:

No cooler was received, however samples are received in a box with a custody seal. Black Cassettes. ~ [REDACTED] 2/8/2023

Received by : [REDACTED]

Check in by/date : [REDACTED] / 02/08/2023

ab-s005-0321

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 020723ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

Comments:

Job ID:23020820



02/08/2023 GES - ASRC Industrial ACH

| | |
|------|----------------------------|
| Code | Matrix |
| A | Air |
| AQ | Air Quality Control Matrix |
| Code | Container/Preservative |
| 1 | Filter/No Preservatives |

Page 1 of 2

Equipment:

Event: Parcel B Asbestos

| Sample ID | Matrix | Date | Time | Samp Init. | Asbestos | [REDACTED] | [REDACTED] | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
|----------------|--------|--------|------|--------------|----------|------------|------------|-------------|-------------|----------------|------|--------|----------|
| | | | | | | | | | | Top - Bottom | | | |
| 1 FBC-020123 | AQ | 2/1/23 | 0800 | [REDACTED] x | | | | FBC | FB1 | FB1 | 0.00 | 1 | |
| 2 MSC01-020123 | A | | | | | x | | MSC01 | N1 | N1 | 0.00 | 1 | |
| 3 MSC02-020123 | A | | | | | x | | MSC02 | N1 | N1 | 0.00 | 1 | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|-------|--------------------------|--------|-------|--|
| [REDACTED] | 2/7/23 | 1400 | Pedex | 2/7/23 | 1400 | Shipping Date:02/07/23 / FEDEX 7711 4355 6390 |
| K. A. [initials] | 2/8/23 | 11:57 | | 2/8/23 | 11:57 | Received by Laboratory: (Signature, Date, Time) & condition [REDACTED] 2/8/23 11:57 |

23.0°C
Terry

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
1655 Grant Street, Suite 1200, Concord, CA 94520
[REDACTED]

COC ID # [REDACTED] 020723ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| | | | | | | | | | | | | |
|--------------------------|--------|--------|------|------------|------------|------------|-----------------------------|-------------------------|----------------|------|--------|----------|
| Comments: | | | | | Asbestos | | Code Matrix | | Page 2 of 2 | | | |
| | | | | | [REDACTED] | | Air | | | | | |
| | | | | | [REDACTED] | | Air Quality Control Matrix | | | | | |
| Equipment: | | | | | [REDACTED] | | Code Container/Preservative | | | | | |
| Event: Parcel B Asbestos | | | | | 1 | | 1 | Filter/No Preservatives | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | [REDACTED] | [REDACTED] | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| 1 MSC01-020223 | A | 2/2/23 | 1459 | x | [REDACTED] | [REDACTED] | MSC01 | N1 | N1 | 0.00 | 1 | 02-04A |
| 2 MSC02-020223 | A | 2/2/23 | 1508 | x | [REDACTED] | [REDACTED] | MSC02 | N1 | N1 | 0.00 | 1 | 03-02A |
| 3 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 4 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 5 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 6 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 7 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 8 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 9 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 10 | | | | | [REDACTED] | [REDACTED] | | | | | | |
| 11 | | | | | [REDACTED] | [REDACTED] | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|------|--------------------------|--------|------|---|
| [REDACTED] | 2/7/23 | 1400 | Fedex | 2/7/23 | 1400 | Shipping Date: 02/07/23 / FEDEX 7711 4355 6390 |
| [REDACTED] | 2/8/23 | 1157 | | 2/8/23 | 1157 | Received by Laboratory: (Signature, Date, Time) & condition |

23.0°C

JAN

COC ID # [REDACTED]020723ASBC

| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | Event: Parcel C Asbestos | |
|---|----------|----------|--------------------------------------|--|
| Project Number: J310000600 | | | | |
| WBS Code: J310000600 | | | | |
| Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) | |
| FBC-020123 | 1-Feb | 8:00 | NA | |
| MSC01-020223 | 2-Feb | 14:59 | 3.6; 438 | |
| MSC02-020223 | 2-Feb | 15:08 | 3.3; 458 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

ORIGIN ID: ICCA [REDACTED]

GES-AIS
200 FISCHER AVE

SAN FRANCISCO, CA 94124
UNITED STATES US

TO [REDACTED]

SHIP DATE: 27JAN23
ACTWGT: 1.00 LB
CAD: 254128867/INET4580

BILL SENDER

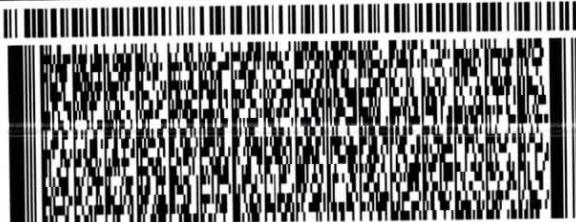
A&B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060
INV
PO

REF: J31000.900 02.04.C5

DEPT



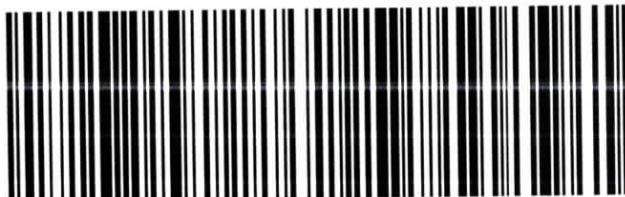
581JD0297FED2D

MON - 30 JAN 4:30P
STANDARD OVERNIGHT

TRK# 7711 4355 6390
0201

XA HBYA

77029
TX-US IAH



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Laboratory Analysis Report

Job ID : 23021488



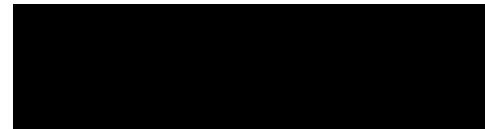
10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation

| | | |
|--------------------|---|----------------------------------|
| Report To : | Client Name: GES - ASRC Industrial | Total Number of Pages: 9 |
| | Attn: [REDACTED] | P.O.#. : |
| | Client Address: 1501 West Fountainhead Parkway, Ste. #550 | Date Received : 02/15/2023 10:01 |
| | City, State, Zip: Tempe, Arizona, 85282 | Sample Collected By : |

A&B Labs has analyzed the following samples...

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| FBC-020623 | 2/6/2023 8:00 | Cassette | 23021488.01 |
| MSC01-020623 | 2/7/2023 7:41 | Cassette | 23021488.02 |
| MSC02-020623 | 2/7/2023 7:31 | Cassette | 23021488.03 |
| MSC01-020723 | 2/8/2023 8:12 | Cassette | 23021488.04 |
| MSC02-020723 | 2/8/2023 7:56 | Cassette | 23021488.05 |
| MSC01-020823 | 2/9/2023 7:51 | Cassette | 23021488.06 |
| MSC02-020823 | 2/9/2023 7:36 | Cassette | 23021488.07 |
| MSC01-020923 | 2/9/2023 14:14 | Cassette | 23021488.08 |
| MSC02-020923 | 2/9/2023 14:01 | Cassette | 23021488.09 |



Title: Vice President Operations

Analyst:



This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Any TWA calculations are based on client supplied data not lab observation.

ab-q210-0321

2/22/2023



**ANALYSIS OF AIRBORNE FIBER SAMPLING
SAMPLING PERFORMED BY CLIENT**

**ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.
AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080**

Date 2/22/2023

Job ID : 23021488

Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | Project: J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | | | | | | | | Attn: | | |
|-------------------------------|------------------|--|-------------|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------|---------------|-------------|
| A&B Sample ID | Client Sample ID | Collected Date | Area/Person | Flow Rate L/m | Time On | Time Off | Total Time (min) | Volume (Liters) | Total Fields | Total Fibers | F/mm2 | Fiber/cc | 8 Hour TWA | Analysis Date | Analyzed By |
| 23021488.01 | FBC-020623 | 02/06/2023 | | | | | 0 | 100 | 3 | 3.822 | | | 02/22/23 | | |
| 23021488.02 | MSC01-020623 | 02/07/2023 | Area | 3.2 | | | 1428 | 4569. | 100 | 9.5 | 12.102 | 0.001 | 02/22/23 | | |
| 23021488.03 | MSC02-020623 | 02/07/2023 | Area | 3.3 | | | 1431 | 4722. | 100 | 9.0 | 11.465 | 0.001 | 02/22/23 | | |
| 23021488.04 | MSC01-020723 | 02/08/2023 | Area | 3.5 | | | 1470 | 5145 | 100 | 10.0 | 12.739 | 0.001 | 02/22/23 | | |
| 23021488.05 | MSC02-020723 | 02/08/2023 | Area | 3.5 | | | 1464 | 5124 | 100 | 11.5 | 14.650 | 0.001 | 02/22/23 | | |
| 23021488.06 | MSC01-020823 | 02/09/2023 | Area | 3.3 | | | 1418 | 4679. | 100 | 14.5 | 18.471 | 0.002 | 02/22/23 | | |
| 23021488.07 | MSC02-020823 | 02/09/2023 | Area | 3.5 | | | 1419 | 4966. | 100 | 9.5 | 12.102 | 0.001 | 02/22/23 | | |
| 23021488.08 | MSC01-020923 | 02/09/2023 | Area | 3.2 | | | 382 | 1222. | 100 | 9.5 | 12.102 | 0.004 | 02/22/23 | | |
| 23021488.09 | MSC02-020923 | 02/09/2023 | Area | 3.5 | | | 384 | 1344 | 100 | 10 | 12.739 | 0.004 | 02/22/23 | | |

Detection limit of this method is estimated at 7 f/mm² (5.5 fibers per 100 fields)

Sr Value

(Fiber Range*; Sr Value): (5-20; Sr = 0.06), (20-50; Sr = 0.05), (50-100; Sr = 0.04), (>100; Sr = 0.04)

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload,Unable To Read



Sample Condition Checklist

| A&B JobID : 23021488 | Date Received : 02/15/2023 | Time Received : 10:01AM | | | | | | | | | | |
|--|--|-----------------------------------|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|
| Client Name : GES - ASRC Industrial | | | | | | | | | | | | |
| Temperature : 21.2°C | Sample pH : NA | | | | | | | | | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | | | | | | | | | |
| Perservative : | | | | | | | | | | | | |
| | Check Points | | | | Yes | No | N/A | | | | | |
| 1. | Cooler Seal present and signed. | | | | X | | | | | | | |
| 2. | Sample(s) in a cooler. | | | | | X | | | | | | |
| 3. | If yes, ice in cooler. | | | | | | X | | | | | |
| 4. | Sample(s) received with chain-of-custody. | | | | X | | | | | | | |
| 5. | C-O-C signed and dated. | | | | X | | | | | | | |
| 6. | Sample(s) received with signed sample custody seal. | | | | | X | | | | | | |
| 7. | Sample containers arrived intact. (If No comment) | | | | X | | | | | | | |
| 8. | Matrix: | Water <input type="checkbox"/> | Soil <input type="checkbox"/> | Liquid <input type="checkbox"/> | Sludge <input type="checkbox"/> | Solid <input type="checkbox"/> | Cassette <input checked="" type="checkbox"/> | Tube <input type="checkbox"/> | Bulk <input type="checkbox"/> | Badge <input type="checkbox"/> | Food <input type="checkbox"/> | Other <input type="checkbox"/> |
| 9. | Samples were received in appropriate container(s) | | | | X | | | | | | | |
| 10. | Sample(s) were received with Proper preservative | | | | | | X | | | | | |
| 11. | All samples were tagged or labeled. | | | | X | | | | | | | |
| 12. | Sample ID labels match C-O-C ID's. | | | | X | | | | | | | |
| 13. | Bottle count on C-O-C matches bottles found. | | | | X | | | | | | | |
| 14. | Sample volume is sufficient for analyses requested. | | | | X | | | | | | | |
| 15. | Samples were received with in the hold time. | | | | X | | | | | | | |
| 16. | VOA vials completely filled. | | | | | | X | | | | | |
| 17. | Sample accepted. | | | | X | | | | | | | |
| 18. | Has client been contacted about sub-out | | | | | | X | | | | | |

Comments : Include actions taken to resolve discrepancies/problem:

No cooler was received, however samples are received in a box with a custody seal. Black Cassettes. ~ [REDACTED] 2/15/2023

Received by : [REDACTED]

Check in by/date : [REDACTED] / 02/15/2023

ab-s005-0321

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 021423ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

Comments:

Job ID:23021488



02/15/2023 GES - ASRC Industrial ACH

| Comments: | | Analytical Test Method | | Asbestos | [REDACTED] | 2/14/23 | 2/15/23 | Code Matrix | | Page 1 of 4 | |
|-----------|--|------------------------|-------------------------------|----------|------------|---------|---------|------------------------|--|-------------|--|
| | | Air | AQ Air Quality Control Matrix | | | | | Container/Preservative | | | |
| | | 1 | 2 | | | | | 3 | | 4 | |

Equipment: 02/14/23

Event: Parcel C Asbestos

| Sample ID | Matrix | Date | Time | Samp Init. | [REDACTED] | [REDACTED] | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
|----------------|--------|------------|------|------------|------------|------------|-------------|-------------|----------------|--------|--------|----------|
| | | | | | | | | | Top | Bottom | | |
| 1 FBC-020623 | AQ | 02/06/2023 | 0800 | [REDACTED] | x | [REDACTED] | FBC | FB1 | FB1 | 0.00 | 1 | |
| 2 MSC01-020623 | A | 02/07/2023 | 0741 | [REDACTED] | x | [REDACTED] | MSC01 | N1 | N1 | 0.00 | 1 | |
| 3 MSC02-020623 | A | 02/07/2023 | 0731 | [REDACTED] | x | [REDACTED] | MSC02 | N1 | N1 | 0.00 | 1 | |
| 4 | | | | | | | | | | | | |
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| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|-------|--------------------------|---------|------|---|
| [REDACTED] | 2/14/23 | 1400 | Fedex | 2/14/23 | 1400 | Shipping Date:02/14/23 / FEDEX 7712 2403 6543 |
| TCR | 2/15/23 | 10:01 | | | | Received by Laboratory: (Signature, Date, Time) & condition [REDACTED] 2/15/23 10:01 |

2/20
JMU

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 021423ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | Analytical Test Method | | | | | Code Matrix | | | | | Page 2 of 4 | | |
|------------------------------|--------|------------|-------|--------------------------|------------------------|---------|------|---|--|-------------|-------------|----------------------------|------|--------|-------------|--|--|
| | | | | | | | | | | A | | Air | | | | | |
| | | | | | | | | | | AQ | | Air Quality Control Matrix | | | | | |
| | | | | | | | | | | Code | | Container/Preservative | | | | | |
| | | | | | | | | | | 1 | | Filter/No Preservatives | | | | | |
| Equipment: 02/14/23 | | | | | | | | | | | | | | | | | |
| Event: Parcel C Asbestos | | | | | 1 | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments | | |
| | | | | | | | | | | | | Top - Bottom | | | | | |
| 1 MSC01-020723 | A | 02/08/2023 | 0812 | x | | | | | | MSC01 | N1 | N1 | 0.00 | 1 | | | |
| 2 MSC02-020723 | A | 02/08/2023 | 0756 | x | | | | | | MSC02 | N1 | N1 | 0.00 | 1 | | | |
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| Turnaround Time: 7 days | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Shipping Date / Carrier / Airbill Number | | | | | | | | | |
| [REDACTED] | | 2/14/23 | 1400 | Fedex | | 2/14/23 | 1400 | Shipping Date: 02/14/23 / FEDEX 7712 2403 6543 | | | | | | | | | |
| [REDACTED] | | 2/15/23 | 10:00 | | | | | Received by Laboratory: (Signature, Date, Time) & condition | | | | | | | | | |
| Fedex | | 2/15/23 | 10:00 | | | | | 2/15/23 10:01 | | | | | | | | | |
| | | | | | | | | 2/15/23 10:01 | | | | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 021423ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | Asbestos | | Code Matrix | | Page 3 of 4 | | | |
|-------------------------------------|--------|------------|------|------------|------------------------|------------|---------------------------------|-------------|----------------|------|--------|----------|
| | | | | | [REDACTED] | | A Air | | | | | |
| | | | | | [REDACTED] | | AQ Air Quality Control Matrix | | | | | |
| Equipment: | | | | | Analytical Test Method | | Code Container/Preservative | | | | | |
| Event: Parcel C Asbestos [REDACTED] | | | | | 1 | | 1 Filter/No Preservatives | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | [REDACTED] | [REDACTED] | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| | | | | | | | | | Top - Bottom | | | |
| 1 MSC01-020823 | A | 02/09/2023 | 0751 | [REDACTED] | x | [REDACTED] | MSC01 | N1 | N1 | 0.00 | 1 | |
| 2 MSC02-020823 | A | 02/09/2023 | 0736 | [REDACTED] | x | [REDACTED] | MSC02 | N | N1 | 0.00 | 1 | |
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Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number | | |
|------------------------------|---------|-------|---|---------|------|--|--|--|
| [REDACTED] | 2/14/23 | 1406 | FedEx | 2/14/23 | 1400 | Shipping Date: 02/14/23 / FEDEX 7712 2403 6543 | | |
| <i>FedEx</i> | 2/15/23 | 10:01 | Received by Laboratory: (Signature, Date, Time) & condition | | | | | |
| | | | | | | <i>2/15/23 10:01</i> | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 21423ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs [REDACTED] | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | Analytical Test Method | Asbestos | Code | Matrix | | Page 4 of 4 | | | |
|----------------------------------|--------------|--------|------------|------|------------------------|------------------------|------|-------------------------|----------------------------|----------------|--|--|--|
| | | | | | | | | A | Air | | | | |
| | | | | | | | | AQ | Air Quality Control Matrix | | | | |
| Equipment: | | | | | Code | Container/Preservative | 1 | Filter/No Preservatives | | | | | |
| Event: Parcel B Asbestos 2/14/23 | | | | | | | | Filter/No Preservatives | | | | | |
| 1 | Sample ID | Matrix | Date | Time | Samp Init. | | | Location ID | Sample Type | Depth (ft bgs) | | | |
| 1 | MSC01-020923 | A | 02/09/2023 | 1414 | x | | | MSC01 | N1 | Top - Bottom | | | |
| 2 | MSC02-020923 | A | 02/09/2023 | 1401 | x | [REDACTED] | | MSC02 | N1 | 0.00 | | | |
| 3 | | | | | | | | | | 1 | | | |
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| 11 | | | | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|-------|--------------------------|---------|------|---|
| [REDACTED] | 2/14/23 | 1400 | Fedex | 2/14/23 | 1400 | Shipping Date: 02/14/23 / FEDEX 7712 2403 6543 |
| 'Fedex' | 2/15/23 | 10:01 | | | | Received by Laboratory: (Signature, Date, Time) & condition |

COC ID # [REDACTED] 021423ASBC

| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Event: Parcel C Asbestos | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|----------|--------------------------------------|--------------------------|----------|----------|--------------------------------------|--|------------|-------|------|---|--|--------------|-------|------|-----------|--|--------------|-------|------|-----------|--|--------------|-------|------|-----------|--|--------------|-------|------|-----------|--|--------------|-------|------|-----------|--|--------------|-------|------|-----------|--|--------------|-------|-------|----------|--|--------------|-------|-------|----------|--|
| Project Number: J310000600 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS Code: J310000600 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Sample ID</th><th>End Date</th><th>End Time</th><th>Flow Rate (L/min), Total Time (mins)</th><th></th></tr></thead><tbody><tr><td>FBC-020623</td><td>6-Feb</td><td>8:00</td><td>0</td><td></td></tr><tr><td>MSC01-020623</td><td>7-Feb</td><td>7:41</td><td>3.2; 1428</td><td></td></tr><tr><td>MSC02-020623</td><td>7-Feb</td><td>7:31</td><td>3.3; 1431</td><td></td></tr><tr><td>MSC01-020723</td><td>8-Feb</td><td>8:12</td><td>3.5; 1470</td><td></td></tr><tr><td>MSC02-020723</td><td>8-Feb</td><td>7:56</td><td>3.5; 1464</td><td></td></tr><tr><td>MSC01-020823</td><td>9-Feb</td><td>7:51</td><td>3.3; 1418</td><td></td></tr><tr><td>MSC02-020823</td><td>9-Feb</td><td>7:36</td><td>3.5; 1419</td><td></td></tr><tr><td>MSC01-020923</td><td>9-Feb</td><td>14:14</td><td>3.2; 382</td><td></td></tr><tr><td>MSC02-020923</td><td>9-Feb</td><td>14:01</td><td>3.5; 384</td><td></td></tr></tbody></table> | | | | Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) | | FBC-020623 | 6-Feb | 8:00 | 0 | | MSC01-020623 | 7-Feb | 7:41 | 3.2; 1428 | | MSC02-020623 | 7-Feb | 7:31 | 3.3; 1431 | | MSC01-020723 | 8-Feb | 8:12 | 3.5; 1470 | | MSC02-020723 | 8-Feb | 7:56 | 3.5; 1464 | | MSC01-020823 | 9-Feb | 7:51 | 3.3; 1418 | | MSC02-020823 | 9-Feb | 7:36 | 3.5; 1419 | | MSC01-020923 | 9-Feb | 14:14 | 3.2; 382 | | MSC02-020923 | 9-Feb | 14:01 | 3.5; 384 | |
| Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FBC-020623 | 6-Feb | 8:00 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC01-020623 | 7-Feb | 7:41 | 3.2; 1428 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC02-020623 | 7-Feb | 7:31 | 3.3; 1431 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC01-020723 | 8-Feb | 8:12 | 3.5; 1470 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC02-020723 | 8-Feb | 7:56 | 3.5; 1464 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC01-020823 | 9-Feb | 7:51 | 3.3; 1418 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC02-020823 | 9-Feb | 7:36 | 3.5; 1419 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC01-020923 | 9-Feb | 14:14 | 3.2; 382 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MSC02-020923 | 9-Feb | 14:01 | 3.5; 384 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ORIGIN ID: ICCA

GES-AIS
200 FISCHER AVE

SAN FRANCISCO, CA 94124
UNITED STATES US

TO [REDACTED]

SHIP DATE: 06FEB23
ACTWGT: 1.00 LB
CAD: 254128867/INET4580

BILL SENDER

A&B LABS
10100 EAST FREEWAY, SUITE 100

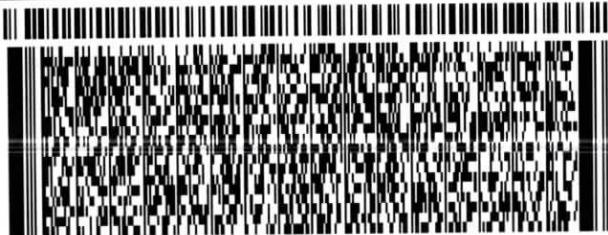
HOUSTON TX 77029

(713) 453-6060

REF: J31000.900 02.04.05

INV:
PO:

DEPT



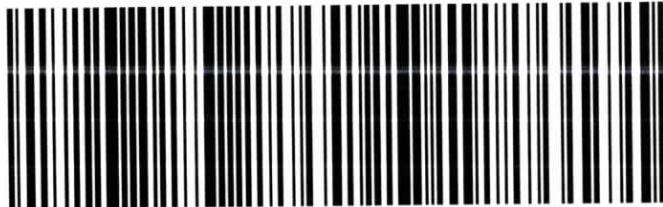
581J1BE02/FEZD

TUE - 07 FEB 4:30P
STANDARD OVERNIGHT

TRK#
0201 7712 2403 6543

AB HBYA

77029
TX-US IAH



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Laboratory Analysis Report

Job ID : 23022314



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation

| | | |
|--------------------|---|----------------------------------|
| Report To : | Client Name: GES - ASRC Industrial | Total Number of Pages: 9 |
| | Attn: [REDACTED] | P.O.#. : |
| | Client Address: 1501 West Fountainhead Parkway, Ste. #550 | Date Received : 02/22/2023 12:33 |
| | City, State, Zip: Tempe, Arizona, 85282 | Sample Collected By : |

A&B Labs has analyzed the following samples...

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| FBC-021323 | 2/13/2023 8:00 | Cassette | 23022314.01 |
| MSC01-021323 | 2/14/2023 7:56 | Cassette | 23022314.02 |
| MSC02-021323 | 2/14/2023 7:54 | Cassette | 23022314.03 |
| MSC01-021423 | 2/15/2023 7:46 | Cassette | 23022314.04 |
| MSC02-021423 | 2/15/2023 7:35 | Cassette | 23022314.05 |
| MSC01-021523 | 2/16/2023 8:08 | Cassette | 23022314.06 |
| MSC02-021523 | 2/16/2023 7:42 | Cassette | 23022314.07 |
| MSC01-021623 | 2/16/2023 14:31 | Cassette | 23022314.08 |
| MSC02-021623 | 2/16/2023 14:22 | Cassette | 23022314.09 |

Title: Vice President Operations

Analyst:



**ANALYSIS OF AIRBORNE FIBER SAMPLING
SAMPLING PERFORMED BY CLIENT**

**ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.
AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080**

Date 3/1/2023

Job ID : 23022314

Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | Project: J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | | | | | | | | Attn: | | |
|-------------------------------|------------------|--|-------------|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------|---------------|-------------|
| A&B Sample ID | Client Sample ID | Collected Date | Area/Person | Flow Rate L/m | Time On | Time Off | Total Time (min) | Volume (Liters) | Total Fields | Total Fibers | F/mm2 | Fiber/cc | 8 Hour TWA | Analysis Date | Analyzed By |
| 23022314.01 | FBC-021323 | 02/13/2023 | | | | | 0 | 100 | 4 | 5.096 | | | 03/01/23 | | |
| 23022314.02 | MSC01-021323 | 02/14/2023 | Area | 3.6 | | | 1448 | 5212. | 100 | 10.0 | 12.739 | 0.001 | | 03/01/23 | |
| 23022314.03 | MSC02-021323 | 02/14/2023 | Area | 3.7 | | | 1472 | 5446. | 100 | 10 | 12.739 | 0.001 | | 03/01/23 | |
| 23022314.04 | MSC01-021423 | 02/15/2023 | Area | 3.3 | | | 1429 | 4715. | 100 | 15.0 | 19.108 | 0.002 | | 03/01/23 | |
| 23022314.05 | MSC02-021423 | 02/15/2023 | Area | 3.7 | | | 1406 | 5202. | 100 | 12 | 15.287 | 0.001 | | 03/01/23 | |
| 23022314.06 | MSC01-021523 | 02/16/2023 | Area | 3.5 | | | 1447 | 5064. | 100 | 12.0 | 15.287 | 0.001 | | 03/01/23 | |
| 23022314.07 | MSC02-021523 | 02/16/2023 | Area | 3.4 | | | 1446 | 4916. | 100 | 12.0 | 15.287 | 0.001 | | 03/01/23 | |
| 23022314.08 | MSC01-021623 | 02/16/2023 | Area | 3.8 | | | 396 | 1504. | 100 | 10.5 | 13.376 | 0.003 | | 03/01/23 | |
| 23022314.09 | MSC02-021623 | 02/16/2023 | Area | 3.6 | | | 399 | 1436. | 100 | 11 | 14.013 | 0.004 | | 03/01/23 | |

Detection limit of this method is estimated at 7 f/mm2 (5.5 fibers per 100 fields)

Sr Value

(Fiber Range*; Sr Value): (5-20; Sr = 0.06), (20-50; Sr = 0.05), (50-100; Sr = 0.04), (>100; Sr = 0.04)

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload,Unable To Read



Sample Condition Checklist

| A&B JobID : 23022314 | Date Received : 02/22/2023 | Time Received : 12:33PM | | | | | | | | | | |
|--|--|-----------------------------------|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|
| Client Name : GES - ASRC Industrial | | | | | | | | | | | | |
| Temperature : 21.3°C | Sample pH : NA | | | | | | | | | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | | | | | | | | | |
| Perservative : | | | | | | | | | | | | |
| | Check Points | | | | Yes | No | N/A | | | | | |
| 1. | Cooler Seal present and signed. | | | | X | | | | | | | |
| 2. | Sample(s) in a cooler. | | | | | X | | | | | | |
| 3. | If yes, ice in cooler. | | | | | | X | | | | | |
| 4. | Sample(s) received with chain-of-custody. | | | | X | | | | | | | |
| 5. | C-O-C signed and dated. | | | | X | | | | | | | |
| 6. | Sample(s) received with signed sample custody seal. | | | | | X | | | | | | |
| 7. | Sample containers arrived intact. (If No comment) | | | | X | | | | | | | |
| 8. | Matrix: | Water <input type="checkbox"/> | Soil <input type="checkbox"/> | Liquid <input type="checkbox"/> | Sludge <input type="checkbox"/> | Solid <input type="checkbox"/> | Cassette <input checked="" type="checkbox"/> | Tube <input type="checkbox"/> | Bulk <input type="checkbox"/> | Badge <input type="checkbox"/> | Food <input type="checkbox"/> | Other <input type="checkbox"/> |
| 9. | Samples were received in appropriate container(s) | | | | X | | | | | | | |
| 10. | Sample(s) were received with Proper preservative | | | | | | X | | | | | |
| 11. | All samples were tagged or labeled. | | | | X | | | | | | | |
| 12. | Sample ID labels match C-O-C ID's. | | | | X | | | | | | | |
| 13. | Bottle count on C-O-C matches bottles found. | | | | X | | | | | | | |
| 14. | Sample volume is sufficient for analyses requested. | | | | X | | | | | | | |
| 15. | Samples were received with in the hold time. | | | | X | | | | | | | |
| 16. | VOA vials completely filled. | | | | | | X | | | | | |
| 17. | Sample accepted. | | | | X | | | | | | | |
| 18. | Has client been contacted about sub-out | | | | | | X | | | | | |

Comments : Include actions taken to resolve discrepancies/problem:

Black Cassettes. No cooler was received, however samples are received in a box with a custody seal. ~ [REDACTED] 02/22/23

Received by : [REDACTED]

Check in by/date : [REDACTED] / 02/22/2023

ab-s005-0321

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
1655 Grant Street, Suite 1200, Concord, CA 94520
██████████

COC ID # █████022123ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: ██████████ | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | | | | | | | Page 1 of 4 | | | | |
|---|-----------------------|------------|------|------------|--|--|--|--|--|--|-------------|-------------|----------------|--------|----------|
| Job ID:23022314 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 02/22/2023 | GES - ASRC Industrial | | ACH | | | | | | | | | | | | |
| Equipment: Event: Parcel B Asbestos | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| | | | | | | | | | | | | | Top - Bottom | | |
| 1 FBC-021323 | AQ | 02/13/2023 | 0280 | x | | | | | | | FBC | FB1 | FB1 | 0.00 | 1 |
| 2 MSC01-021323 | A | 02/14/2023 | 0756 | x | | | | | | | MSC01 | N1 | N1 | 0.00 | 1 |
| 3 MSC02-021323 | A | 02/14/2023 | 0754 | x | | | | | | | MSC02 | N1 | N1 | 0.00 | 1 |
| 4 | | | | | | | | | | | | | | | |
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| 11 | | | | | | | | | | | | | | | |

Turnaround Time: 7 days

2/21/23

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| ██████████ | 2/21/23 | 1600 | FedEx | 2/21/23 | 1600 | Shipping Date:02/21/23 / FEDEX 7712 5387 6968 |
| FEDEX | 2/21/23 | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | ██████████ 2/22/23 1233 |

21.300
JMM

**CHAIN-OF-CUSTODY
RECORD**

Gibane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 022123ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | | Analytical Test Method | Asbestos | Code | Matrix | | | Code | Container/Preservative | 1 | Filter/No Preservatives | Code | Location ID | Sample Type | Depth (ft bgs) | | | Cooler | Comments | Page 2 of 4 | |
|------------------------------|--------------|---|------------|------|--------------------------|------------------------|----------|---------|--------|--|---|------|---|---|-------------------------|---------|-------------|-------------|----------------|---------|----------------------------|------------|----------|-------------|--|
| | | | | | | | | | | | A | | | | | | | | Air | AQ | Air Quality Control Matrix | | | | |
| Equipment: | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Event: Parcel B Asbestos | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | MSC01-021423 | A | 02/15/2023 | 0746 | [REDACTED] | x | | | | | | | | | | MSC01 | N1 | N1 | 0.00 | 1 | | | | | |
| 2 | MSC02-021423 | A | 02/15/2023 | 0735 | [REDACTED] | x | | | | | | | | | | MSC02 | N1 | N1 | 0.00 | 1 | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Turnaround Time: 7 days | | | | | | | | | | | | | | | | | | | | 2/21/23 | [REDACTED] | | | | |
| Relinquished by: (Signature) | | | Date | Time | Received by: (Signature) | | | Date | Time | Shipping Date / Carrier / Airbill Number | | | Received by Laboratory: (Signature, Date, Time) & condition | | | 2/21/23 | | | 1233 | 21.3cc | TMM | [REDACTED] | | | |
| [REDACTED] | | | 2/21/23 | 1000 | Pd G | | | 2/21/23 | 1600 | Shipping Date: 02/21/23 / FEDEX 7712 5387 6968 | | | [REDACTED] | | | 2/22/23 | | | 1233 | 21.3cc | TMM | [REDACTED] | | | |
| Fecut | | | 2/22/23 | | | | | | | | | | | | | | | | | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 022123ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | | Analytical Test Method | Code Matrix | | | | Page 3 of 4 | | |
|------------|----------------|--------|------------|------|------------|-------------------------------|---------------|---------------------------------|-------------|----------------|-------------|----------|---|
| | | | | | | | A Air | AQ Air Quality Control Matrix | | | | | |
| Equipment: | | | | | | Code Container/Preservative | | | | | | | |
| | | | | | | 1 Filter/No Preservatives | | | | | | | |
| CIP 07P | Sample ID | Matrix | Date | Time | Samp Init. | Asbestos | 1 | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments | |
| | 1 MSC01-021523 | A | 02/16/2023 | 0808 | [REDACTED] | x | | | MSC01 | N1 | N1 | 0.00 | 1 |
| | 2 MSC02-021523 | A | 02/16/2023 | 0742 | [REDACTED] | x | | | MSC02 | N | N1 | 0.00 | 1 |
| | 3 | | | | | | | | | | | | |
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| | 11 | | | | | | | | | | | | |

Turnaround Time: 7 days

2/21/23

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|--|
| [REDACTED] | 2/14/23 | 1600 | FedEx | 2/21/23 | 1600 | Shipping Date: 02/21/23 / FEDEX 7712 5387 6968 |
| ECay | 2/22/23 | | | | | Received by Laboratory: (Signature, Date, Time) & condition [REDACTED] 2/22/23 1833 |

21.3cc
JRW

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 022123ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | | | | | | Analytical Test Method | | | Asbestos | | | Code | | | Matrix | | | Page 4 of 4 | | |
|--------------------------|--------|------------|------|------------|---|---|---|---|---|------------------------|-------------|----------------|----------|----------|---|------|---|---|----------------------------|---|---|-------------|---|--|
| Equipment: | | | | | | | | | | | | | | | | A | | | Air | | | | | |
| Event: Parcel C Asbestos | | | | | | | | | | 1 | | | | | | AQ | | | Air Quality Control Matrix | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | x | x | x | x | x | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments | 1 | x | x | x | x | x | x | x | x | |
| 1 MSC01-021623 | A | 02/16/2023 | 1431 | [REDACTED] | x | | | | | MSC01 | N1 | N1 | 0.00 | 1 | | | | | | | | | | |
| 2 MSC02-021623 | A | 02/16/2023 | 1422 | [REDACTED] | x | | | | | MSC02 | N1 | N1 | 0.00 | 1 | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | |
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| 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | |

| Turnaround Time: 7 days | | | | | | | Relinquished by: (Signature) Date Time Received by: (Signature) Date Time Shipping Date / Carrier / Airbill Number | | | | | | |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| [REDACTED] | | | | | | | 2/21/23 1600 Fed G 2/21/23 1600 Shipping Date: 02/21/23 / FEDEX 7712 5387 6968 | | | | | | |
| [REDACTED] | | | | | | | Received by Laboratory: (Signature, Date, Time) & condition [REDACTED] 8/22/23 1233 2/21/23 1600 [REDACTED] | | | | | | |

COC ID # [REDACTED] 022123ASBC

| | |
|--|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Event: Parcel C Asbestos |
| Project Number: J310000600 | |
| WBS Code: J310000600 | |

| Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) |
|--------------|----------|----------|--------------------------------------|
| FBC-021323 | 13-Feb | 8:00 | NA |
| MSC01-021323 | 14-Feb | 7:56 | 3.6; 1448 |
| MSC02-021323 | 14-Feb | 8:08 | 3.7; 1472 |
| MSC01-021423 | 15-Feb | 7:46 | 3.3; 1429 |
| MSC02-021423 | 15-Feb | 7:35 | 3.7; 1406 |
| MSC01-021523 | 16-Feb | 7:54 | 3.5; 1447 |
| MSC02-021523 | 16-Feb | 7:42 | 3.4; 1446 |
| MSC01-021623 | 16-Feb | 14:31 | 3.8; 396 |
| MSC02-021623 | 16-Feb | 14:22 | 3.6; 399 |

ORIGIN ID: JCCA [REDACTED]

GES-AIS
200 FISCHER AVE

SAN FRANCISCO, CA 94124
UNITED STATES US

TO [REDACTED]

SHIP DATE: 14FEB23
ACTWGT: 1.00 LB
CAD: 254128867/INET4580

BILL SENDER

A&B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

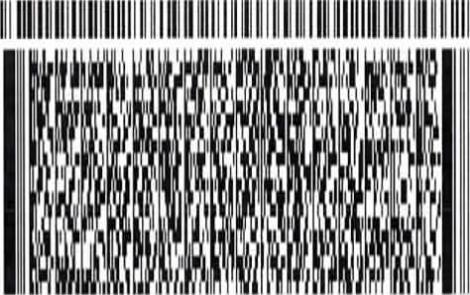
(713) 453-6060

REF J31000900 02/04/05

INV
PO

DEPT

5811 J1 18RC02/FIE2D



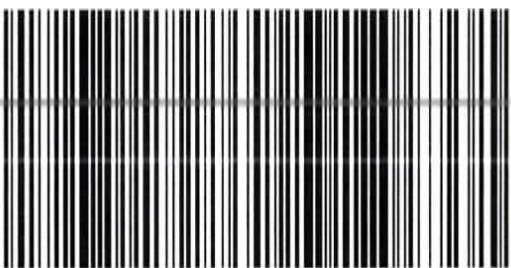
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TRK#
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77029
TX-US IAH



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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Laboratory Analysis Report

Job ID : 23030027



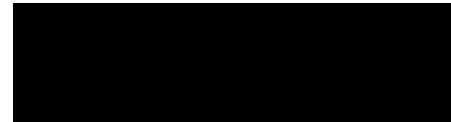
10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation

| | | |
|--------------------|---|----------------------------------|
| Report To : | Client Name: GES - ASRC Industrial | Total Number of Pages: 9 |
| | Attn: [REDACTED] | P.O.#. : |
| | Client Address: 1501 West Fountainhead Parkway, Ste. #550 | Date Received : 03/01/2023 10:26 |
| | City, State, Zip: Tempe, Arizona, 85282 | Sample Collected By : |

A&B Labs has analyzed the following samples...

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| FBC-022023 | 2/20/2023 8:00 | Cassette | 23030027.01 |
| MSC01-022023 | 2/21/2023 6:58 | Cassette | 23030027.02 |
| MSC02-022023 | 2/21/2023 6:51 | Cassette | 23030027.03 |
| MSC01-022123 | 2/22/2023 7:16 | Cassette | 23030027.04 |
| MSC02-022123 | 2/22/2023 7:12 | Cassette | 23030027.05 |
| MSC01-022223 | 2/23/2023 7:01 | Cassette | 23030027.06 |
| MSC02-022223 | 2/23/2023 6:50 | Cassette | 23030027.07 |
| MSC01-022323 | 2/23/2023 15:13 | Cassette | 23030027.08 |
| MSC02-022323 | 2/23/2023 15:05 | Cassette | 23030027.09 |



Title: Vice President Operations

Analyst:



This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Results apply to the sample as received. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client. Any TWA calculations are based on client supplied data not lab observation.

ab-q210-0321

3/8/2023



**ANALYSIS OF AIRBORNE FIBER SAMPLING
SAMPLING PERFORMED BY CLIENT**

**ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.
AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080**

Date 3/8/2023

Job ID : 23030027

Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | Project: J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | | | | | | | | Attn: | | |
|-------------------------------|------------------|--|-------------|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------|---------------|-------------|
| A&B Sample ID | Client Sample ID | Collected Date | Area/Person | Flow Rate L/m | Time On | Time Off | Total Time (min) | Volume (Liters) | Total Fields | Total Fibers | F/mm2 | Fiber/cc | 8 Hour TWA | Analysis Date | Analyzed By |
| 23030027.01 | FBC-022023 | 02/20/2023 | | | | | 0 | 100 | 0 | 0.000 | | | 03/08/23 | | |
| 23030027.02 | MSC01-022023 | 02/21/2023 | Area | 3.7 | | | 1440 | 5328 | 100 | 15.5 | 19.745 | 0.001 | 03/08/23 | | |
| 23030027.03 | MSC02-022023 | 02/21/2023 | Area | 3.7 | | | 1424 | 5268. | 100 | 16.0 | 20.382 | 0.001 | 03/08/23 | | |
| 23030027.04 | MSC01-022123 | 02/22/2023 | Area | 3.3 | | | 1456 | 4804. | 100 | 14.0 | 17.834 | 0.001 | 03/08/23 | | |
| 23030027.05 | MSC02-022123 | 02/22/2023 | Area | 3.5 | | | 1459 | 5106. | 100 | 26.0 | 33.121 | 0.002 | 03/08/23 | | |
| 23030027.06 | MSC01-022223 | 02/23/2023 | Area | 3.1 | | | 1424 | 4414. | 100 | 12.5 | 15.924 | 0.001 | 03/08/23 | | |
| 23030027.07 | MSC02-022223 | 02/23/2023 | Area | 3.2 | | | 1417 | 4534. | 100 | 12.5 | 15.924 | 0.001 | 03/08/23 | | |
| 23030027.08 | MSC01-022323 | 02/23/2023 | Area | 3.3 | | | 489 | 1613. | 100 | 7.0 | 8.917 | 0.002 | 03/08/23 | | |
| 23030027.09 | MSC02-022323 | 02/23/2023 | Area | 3.2 | | | 494 | 1580. | 100 | 7 | 8.917 | 0.002 | 03/08/23 | | |

Detection limit of this method is estimated at 7 f/mm² (5.5 fibers per 100 fields)

Sr Value

(Fiber Range*; Sr Value): (5-20; Sr = 0.06), (20-50; Sr = 0.05), (50-100; Sr = 0.04), (>100; Sr = 0.04)

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload,Unable To Read



Sample Condition Checklist

| A&B JobID : 23030027 | Date Received : 03/01/2023 | Time Received : 10:26AM | | |
|--|--|--------------------------------|-----------|------------|
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 23.5°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water <input type="checkbox"/> Soil <input type="checkbox"/> Liquid <input type="checkbox"/> Sludge <input type="checkbox"/> Solid <input type="checkbox"/> Cassette <input checked="" type="checkbox"/> Tube <input type="checkbox"/> Bulk <input type="checkbox"/> Badge <input type="checkbox"/> Food <input type="checkbox"/> Other <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:

No cooler was received, however samples are received in a box with a custody seal. Black Cassettes. ~ [REDACTED] 03/01/23

Received by : [REDACTED]

Check in by/date : [REDACTED] / 03/01/2023

ab-s005-0321

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 022823ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | [REDACTED] | | | | | | | | | | | | Page 1 of 4 | | | | | |
|------------------------------|-----------------------|------------|--------------------------|------------|------------|---|------------|------------|------------|------------|------------|------------|-------------|-------------|----------------|------|--------|----------|
| Job ID:23030027 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 03/01/2023 | GES - ASRC Industrial | ACH | | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | | | |
| Event: Parcel C Asbestos | | | | | | | | | | | | | | 1 | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Asbestos | Analytical Test Method | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| | | | | | | | | | | | | | | | Top - Bottom | | | |
| 1 FBC-022023 | AQ | 02/20/2023 | 0800 | x | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | FBC | FB2 | 0.00 | 0.00 | 1 | |
| 2 MSC01-022023 | A | 02/21/2023 | 0658 | x | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 MSC02-022023 | A | 02/21/2023 | 0651 | x | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | [REDACTED] | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
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| 10 | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| Turnaround Time: 7 days | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number | | | | | | | | | | | | |
| [REDACTED] | 2/28/23 | 1400 | Fedex | 2/28/23 | 1400 | Shipping Date 02/28/23 / FEDEX 7713 2854 4933 | | | | | | | | | | | | |
| [REDACTED] | 3-1-23 | | | | | Received by Laboratory: (Signature, Date, Time) & condition | | | | | | | | | | | | |
| Fedex | | | | | | [REDACTED] 3-1-23 1026 | | | | | | | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 022823ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | Analytical Test Method | | Code Matrix | | Page 2 of 4 | | | |
|--------------------------|--------|------------|------|------------|------------------------|--|-----------------------------|----------------------------|----------------|------|--------|----------|
| | | | | | Asbestos | | A | Air | | | | |
| | | | | | | | AQ | Air Quality Control Matrix | | | | |
| Equipment: | | | | | | | Code Container/Preservative | | | | | |
| Event: Parcel C Asbestos | | | | | 1 | | 1 | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| | | | | | | | | | Top - Bottom | | | |
| 1 MSC01-022123 | A | 02/22/2023 | 0716 | x | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 MSC02-022123 | A | 02/22/2023 | 0712 | x | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 3 | | | | | | | | | | | | |
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| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 2/28/23 | 1400 | Fedex | 2/28/23 | 1400 | Shipping Date 02/28/23 / FEDEX 7713 2854 4933 |
| [REDACTED] | 3-1-23 | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| FCC4 | | | | | | [REDACTED] 3-1-23 1024 |

235°C
Jnu

**CHAIN-OF-CUSTODY
RECORD**

Gibbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 022823ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | | Analytical Test Method | | Code Matrix | | Page 3 of 4 | | | |
|------------------------------|--------|------------|------|--------------------------|--|------------------------|------------|---|----------------------------|----------------|------|--------|----------|
| | | | | | | Asbestos | [REDACTED] | A | Air | | | | |
| | | | | | | | [REDACTED] | AQ | Air Quality Control Matrix | | | | |
| Equipment: | | | | | | | | Code | Container/Preservative | | | | |
| Event: Parcel C Asbestos | | | | | | 1 | | 1 | Filter/No Preservatives | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| | | | | | | | | | | Top - Bottom | | | |
| 1 MSC01-022223 | A | 02/23/2023 | 0701 | x | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 MSC02-022223 | A | 02/23/2023 | 0650 | x | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |
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| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| Turnaround Time: 7 days | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | Time | Received by: (Signature) | | Date | Time | Shipping Date / Carrier / Airbill Number | | | | | |
| [REDACTED] | | 2/28/23 | 1400 | Fedex | | 2/28/23 | 1400 | Shipping Date: 02/28/23 / FEDEX 7713 2854 4933 | | | | | |
| [REDACTED] | | 3-1-23 | | | | | | Received by Laboratory: (Signature, Date, Time) & condition | | | | | |
| [REDACTED] | | | | | | | | [REDACTED] 3-1-23 1024 | | | | | |

23.5°C
JAN

**CHAIN-OF-CUSTODY
RECORD**

Gibane Federal
1655 Grant Street, Suite 1200, Concord, CA 94520
██████████

COC ID # █████ 022823ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: ██████████ | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| Comments: | | | | | Analytical Test Method | Asbestos | ██████████ | ██████████ | Code | Matrix | | Page 4 of 4 | |
|--------------------------|----------------|--------|------------|------|------------------------|----------------------------|------------|------------|-------------|------------------------|----------------|-------------|----------|
| | | | | | | | | | | A | Air | | |
| | | | | | AQ | Air Quality Control Matrix | | | | | | | |
| Equipment: | | | | | Container/Preservative | | | | | | | | |
| Event: Parcel C Asbestos | | | | | 1 | | | | Code | Container/Preservative | | | |
| 08/09 09/09 | Sample ID | Matrix | Date | Time | Samp Init. | x | | | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| | 1 MSC01-022323 | A | 02/23/2023 | 1513 | ██████████ | x | | | MSC01 | N1 | 0.00 | 0.00 | 1 |
| | 2 MSC02-022323 | A | 02/23/2023 | 1505 | ██████████ | x | | | MSC02 | N1 | 0.00 | 0.00 | 1 |
| | 3 | | | | | | | | | | | | |
| | 4 | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|------------|--------|--|
| ██████████ | 2/28/23 | 1400 | Fedex | 2/28/23 | 1400 | Shipping Date: 02/28/23 / FEDEX 7713 2854 4933 |
| ██████████ | 3-1-23 | | | ██████████ | 3-1-23 | Received by Laboratory: (Signature, Date, Time) & condition ██████████ 23.5°C 3/1/23 |

COC ID # [REDACTED] 022823ASBC

| | |
|--|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Event: Parcel C Asbestos |
| Project Number: J310000600 | |
| WBS Code: J310000600 | |

| Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) |
|--------------|----------|----------|--------------------------------------|
| FBC-022023 | 20-Feb | 8:00 | 0 |
| MSC01-022023 | 21-Feb | 6:58 | 3.7; 1440 |
| MSC02-022023 | 21-Feb | 6:51 | 3.7; 1424 |
| MSC01-022123 | 22-Feb | 7:16 | 3.3; 1456 |
| MSC02-022123 | 22-Feb | 7:12 | 3.5; 1459 |
| MSC01-022223 | 23-Feb | 7:01 | 3.1; 1424 |
| MSC02-022223 | 23-Feb | 6:50 | 3.2; 1417 |
| MSC01-022323 | 23-Feb | 15:13 | 3.3; 489 |
| MSC02-022323 | 23-Feb | 15:05 | 3.2; 494 |

ORIGIN ID: ICCA
GES-AIS
200 FISCHER AVE
SAN FRANCISCO, CA 94124
UNITED STATES US

TO [REDACTED]

A&B LABS
10100 EAST FREEWAY, SUITE 100

SHIP DATE: 21FEB23
ACTWGT: 1.00 LB
CAD: 254128867/NET4580

BILL SENDER

HOUSTON TX 77029

(713) 453-6060

REF: J31000900 02.04.05

INV:
PO

DEPT

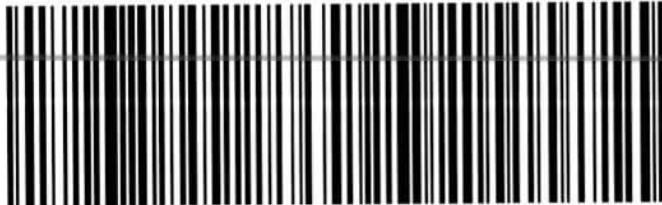


TRK#
0201 7713 2854 4933

WED - 22 FEB 4:30P
STANDARD OVERNIGHT

AB HBYA

77029
TX-US IAH

**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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Laboratory Analysis Report

Job ID : 23030808



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation

| | | |
|--------------------|---|----------------------------------|
| Report To : | Client Name: GES - ASRC Industrial | Total Number of Pages: 7 |
| | Attn: [REDACTED] | P.O.#. : |
| | Client Address: 1501 West Fountainhead Parkway, Ste. #550 | Date Received : 03/08/2023 10:26 |
| | City, State, Zip: Tempe, Arizona, 85282 | Sample Collected By : |

A&B Labs has analyzed the following samples...

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSC01-030123 | 3/2/2023 7:15 | Cassette | 23030808.01 |
| MSC02-030123 | 3/2/2023 7:03 | Cassette | 23030808.02 |
| FBC-022723 | 2/27/2023 8:00 | Cassette | 23030808.03 |
| MSC01-030223 | 3/2/2023 14:20 | Cassette | 23030808.04 |
| MSC02-030223 | 3/2/2023 14:21 | Cassette | 23030808.05 |

Title: Vice President Operations

Analyst:

ab-q210-0321

3/15/2023

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**ANALYSIS OF AIRBORNE FIBER SAMPLING
SAMPLING PERFORMED BY CLIENT**
ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.
AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080

Date 3/15/2023

Job ID : 23030808

Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | Project: J310000600 / Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | | | | | | | | Attn: | | |
|-------------------------------|------------------|--|-------------|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------|---------------|-------------|
| A&B Sample ID | Client Sample ID | Collected Date | Area/Person | Flow Rate L/m | Time On | Time Off | Total Time (min) | Volume (Liters) | Total Fields | Total Fibers | F/mm2 | Fiber/cc | 8 Hour TWA | Analysis Date | Analyzed By |
| 23030808.01 | MSC01-030123 | 03/02/2023 | Area | 3.4 | | | 1427 | 4851. | 100 | 18.0 | 22.930 | 0.002 | | 03/15/23 | [REDACTED] |
| 23030808.02 | MSC02-030123 | 03/02/2023 | Area | 3.2 | | | 1422 | 4550. | 100 | 13.0 | 16.561 | 0.001 | | 03/15/23 | [REDACTED] |
| 23030808.03 | FBC-022723 | 02/27/2023 | | | | | | 0 | 100 | 3 | 3.822 | | | 03/15/23 | [REDACTED] |
| 23030808.04 | MSC01-030223 | 03/02/2023 | Area | 3.7 | | | 423 | 1565. | 100 | 16.5 | 21.019 | 0.005 | | 03/15/23 | [REDACTED] |
| 23030808.05 | MSC02-030223 | 03/02/2023 | Area | 3.4 | | | 436 | 1482. | 100 | 13 | 16.561 | 0.004 | | 03/15/23 | [REDACTED] |

Detection limit of this method is estimated at 7 f/mm² (5.5 fibers per 100 fields)

Sr Value

(Fiber Range*; Sr Value): (5-20; Sr = 0.06), (20-50; Sr = 0.05), (50-100; Sr = 0.04), (>100; Sr = 0.04)

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload,Unable To Read



Sample Condition Checklist

| A&B JobID : 23030808 | Date Received : 03/08/2023 | Time Received : 10:26AM | | | | | | | | | | |
|--|--|-----------------------------------|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|---|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|
| Client Name : GES - ASRC Industrial | | | | | | | | | | | | |
| Temperature : 22.0°C | Sample pH : NA | | | | | | | | | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | | | | | | | | | |
| Perservative : | | | | | | | | | | | | |
| | Check Points | | | | Yes | No | N/A | | | | | |
| 1. | Cooler Seal present and signed. | | | | X | | | | | | | |
| 2. | Sample(s) in a cooler. | | | | | X | | | | | | |
| 3. | If yes, ice in cooler. | | | | | | X | | | | | |
| 4. | Sample(s) received with chain-of-custody. | | | | X | | | | | | | |
| 5. | C-O-C signed and dated. | | | | X | | | | | | | |
| 6. | Sample(s) received with signed sample custody seal. | | | | | X | | | | | | |
| 7. | Sample containers arrived intact. (If No comment) | | | | X | | | | | | | |
| 8. | Matrix: | Water <input type="checkbox"/> | Soil <input type="checkbox"/> | Liquid <input type="checkbox"/> | Sludge <input type="checkbox"/> | Solid <input type="checkbox"/> | Cassette <input checked="" type="checkbox"/> | Tube <input type="checkbox"/> | Bulk <input type="checkbox"/> | Badge <input type="checkbox"/> | Food <input type="checkbox"/> | Other <input type="checkbox"/> |
| 9. | Samples were received in appropriate container(s) | | | | | X | | | | | | |
| 10. | Sample(s) were received with Proper preservative | | | | | | X | | | | | |
| 11. | All samples were tagged or labeled. | | | | | X | | | | | | |
| 12. | Sample ID labels match C-O-C ID's. | | | | | X | | | | | | |
| 13. | Bottle count on C-O-C matches bottles found. | | | | | X | | | | | | |
| 14. | Sample volume is sufficient for analyses requested. | | | | | X | | | | | | |
| 15. | Samples were received with in the hold time. | | | | | X | | | | | | |
| 16. | VOA vials completely filled. | | | | | | X | | | | | |
| 17. | Sample accepted. | | | | | X | | | | | | |
| 18. | Has client been contacted about sub-out | | | | | | | X | | | | |

Comments : Include actions taken to resolve discrepancies/problem:

No cooler was received, however samples are received in a box with a custody seal. Black Cassettes. ~ [REDACTED] 03/08/23

Received by : [REDACTED]

Check in by/date : [REDACTED] / 03/08/2023

ab-s005-0321

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 030723ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

Comments:

Job ID:23030808



03/08/2023 GES - ASRC Industrial ACH

| | | | | | | |
|------------------------|-------------------------|------------|------------|------------|------|----------------------------|
| Asbestos | Analytical Test Method | Asbestos | [REDACTED] | [REDACTED] | Code | Matrix |
| | | | | | A | Air |
| | | | | | AQ | Air Quality Control Matrix |
| Container/Preservative | Filter/No Preservatives | [REDACTED] | [REDACTED] | [REDACTED] | Code | Container/Preservative |
| | | | | | 1 | Filter/No Preservatives |
| | | | | | | |

Page 3 of [REDACTED]

Pg 1 of 2

3/7/23

| Equipment: | | | | | | | | | | |
|--------------------------|--------|------------|------|------------|-------------|-------------|----------------|------|--------|----------|
| Event: Parcel C Asbestos | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| 1 MSC01-030123 | A | 03/02/2023 | 0715 | x | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 MSC02-030123 | A | 03/02/2023 | 0703 | x | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 3 FBC-022723 | AQ | 2/27/23 | 0800 | X | FBC | FB2 | 0.00 | 0.00 | 1 | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |

Turnaround Time: 7 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|------|--------------------------|----------|------|---|
| [REDACTED] | 3/7/23 | 1400 | Fedex | 3/7/23 | 1400 | Shipping Date:03/07/23 / FEDEX 7714 1378 2929 |
| Fedex | | | [REDACTED] | 03/08/23 | 1240 | Received by Laboratory: (Signature, Date, Time) & condition |

22-0 IR4

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal [REDACTED]
1655 Grant Street, Suite 1200, Concord, CA 94520

COC ID # [REDACTED] 030723ASBC



| | | |
|--|---|--------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: A&B Labs | Event: Parcel C Asbestos |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 | |

| | | | | | | | | | | | | | |
|--------------------------|--------|----------------------------|-----------------------|------------|------------|--|--|--|-------------|-------------|----------------|--------|----------|
| Comments: | Code | Matrix | Page 4 of 4 3/7/23 | | | | | | | | | | |
| | A | Air | Pg 2 of 2 | | | | | | | | | | |
| | AQ | Air Quality Control Matrix | | | | | | | | | | | |
| Equipment: | Code | Container/Preservative | | | | | | | | | | | |
| | 1 | Filter/No Preservatives | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Event: Parcel C Asbestos | 1 | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Asbestos | | | | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| 1 MSC01-030223 | A | 03/02/2023 | 1420 | x | [REDACTED] | | | | MSC01 | N1 | 0.00 | 0.00 | 1 |
| 2 MSC02-030223 | A | 03/02/2023 | 1421 | x | [REDACTED] | | | | MSC02 | N1 | 0.00 | 0.00 | 1 |
| 3 | | | | | [REDACTED] | | | | | | | | |
| 4 | | | | | [REDACTED] | | | | | | | | |
| 5 | | | | | [REDACTED] | | | | | | | | |
| 6 | | | | | [REDACTED] | | | | | | | | |
| 7 | | | | | [REDACTED] | | | | | | | | |
| 8 | | | | | [REDACTED] | | | | | | | | |
| 9 | | | | | [REDACTED] | | | | | | | | |
| 10 | | | | | [REDACTED] | | | | | | | | |
| 11 | | | | | [REDACTED] | | | | | | | | |

| Turnaround Time: 7 days | | | | | | |
|------------------------------|--------|------|--------------------------|----------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 3/7/23 | 1200 | Fedex | 3/7/23 | 1400 | Shipping Date: 03/07/23 / FEDEX 7714 1378 2929 |
| Fedex | | | [REDACTED] | 03/08/23 | 1024 | Received by Laboratory: (Signature, Date, Time) & condition |

22-O TR4

COC ID # [REDACTED] 030723ASBC

| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Event: Parcel C Asbestos | | |
|--|--------------------------|----------|--------------------------------------|
| Project Number: J310000600 | | | |
| WBS Code: J310000600 | | | |
| <hr/> | | | |
| Sample ID | End Date | End Time | Flow Rate (L/min), Total Time (mins) |
| FBC-022723 | 27-Feb | 8:00 | 0 |
| MSC01-030123 | 2-Mar | 7:15 | 3.4; 1427 |
| MSC02-030123 | 2-Mar | 7:03 | 3.2; 1422 |
| MSC01-030223 | 2-Mar | 14:20 | 3.7; 423 |
| MSC02-030223 | 2-Mar | 14:21 | 3.4; 436 |

ORIGIN ID:JCCA

GES-AIS
200 FISCHER AVESAN FRANCISCO, CA 94124
UNITED STATES US

TO

SHIP DATE: 07MAR23
ACTWGT: 1.00 LB
CAD: 254128867/INET4580

BILL SENDER

A&B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

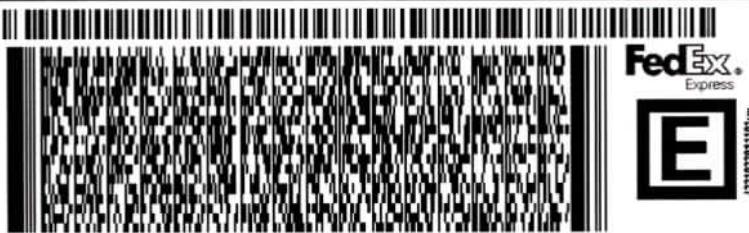
(713) 453-6060

REF: J31000 900 02.04.05

INV:

PO:

DEPT

WED - 08 MAR 4:30P
STANDARD OVERNIGHTTRK#
0201 7714 1378 2929

AB HBYA

77029
TX-US IAH**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
 2. Fold the printed page along the horizontal line.
 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.
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2609 North River Road
Port Allen, Louisiana 70767
(225) 228-1394

ARS Aleut Analytical, LLC

Laboratory Analytical Report

ARS1-23-00163

GES-AIS, LLC

1655 Grant Street
Suite 1200
Concord, CA 94520

COC Number: LS012423RADC

Job Number: J310000600

Job Location: Hunters Point Shipyard, Parcel C Removal Site Evaluation

Project Name: Parcel C Air Monitoring RAD

Questions regarding this analytical report should be addressed to ARS project manager, [REDACTED], who can be reached by email at projectmanagers@aaa.aleutfederal.com.

I certify that the test results presented in this report (in either hardcopy or electronic file (EDD)) meet the requirements of the laboratory's certifications and other applicable contract terms and conditions. A full list of the Port Allen, LA laboratory's certifications is provided with this report. Any exceptions to the certification or contract will be noted within the case narratives presented in the report. Any subcontracted sample results will be identified within the case narratives presented in the report. In the event this report is an amendment to a previously released report, the case narrative will clearly identify the original report as well as the reason(s) for reissuance. A statement of uncertainty for each analysis is available upon request. I authorize release and issuance of this report on the date signed below.

[REDACTED]
Signature

Date

Laboratory Management, ARS Aleut Analytical

[REDACTED]
Title

This report provides analytical results of the requested analysis and does not include any opinions or interpretations. ARS Aleut Analytical, LLC assumes no liability for the use or interpretation of analytical results. Results relate only to items tested. A partial reproduction of this test report is prohibited. Reproduction of this report in full requires the written approval of the laboratory.





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Certifications and Accreditations List

| State or Accrediting Body (AB) | Certificate Number |
|--------------------------------|--------------------|
| AIHA LAP, LLC | 209312 |
| Alaska | LA01131 |
| California | 3085 |
| ANAB DoD | ADE-1489 |
| ANAB DOE | ADE-1489.01 |
| Louisiana DEQ - NELAC | 01949 |
| Louisiana DHH | LA022 |
| Nevada | LA011312023-1 |
| New Jersey | LA009 |
| New York | 65039 |
| Pennsylvania | 68-04294-011 |
| Texas | T104704447-22-18 |
| Utah | LA011312022-13 |
| Washington | C1010 |

For additional information related to the specific matrices, methods, and analytes recognized by each accrediting body, contact us at QA@aaa.aleutfederal.com for additional information.



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(225) 228-1394

ARS Aleut Analytical, LLC

Analytical Reports

for

GES-AIS, LLC

Case Narrative



2609 North River Road • Port Allen, Louisiana 70767

(225) 228-1394

**PROJECT SAMPLE IDENTIFICATION
CROSS-REFERENCE
TO ARS SAMPLE LABORATORY IDs**

| Client Sample ID | ARS Aleut Analytical Sample ID |
|------------------|--------------------------------|
| FBC-011723 | ARS1-23-00163-001 |
| MSC01-011723 | ARS1-23-00163-002 |
| MSC02-011723 | ARS1-23-00163-003 |

| Sample | Date Collected | Date Received | Analysis | Basis | Prep Date/Time | Analysis Date/Time |
|--------|----------------|---------------|--------------|-------------|----------------|--------------------|
| 001 | 01/17/23 08:00 | 01/25/23 | ASP-PU239-AF | As Received | 01/30/23 12:40 | 02/07/23 02:16 |
| 001 | 01/17/23 08:00 | 01/25/23 | ASP-TH-AF | As Received | 01/30/23 12:40 | 02/07/23 02:18 |
| 001 | 01/17/23 08:00 | 01/25/23 | GAM-A-AF | As Received | NA | 01/26/23 14:20 |
| 001 | 01/17/23 08:00 | 01/25/23 | GPC-SR90-AF | As Received | 01/30/23 12:40 | 02/01/23 12:07 |
| 002 | 01/19/23 14:09 | 01/25/23 | ASP-PU239-AF | As Received | 01/30/23 12:40 | 02/07/23 02:16 |
| 002 | 01/19/23 14:09 | 01/25/23 | ASP-TH-AF | As Received | 01/30/23 12:40 | 02/07/23 02:18 |
| 002 | 01/19/23 14:09 | 01/25/23 | GAM-A-AF | As Received | NA | 01/26/23 14:22 |
| 002 | 01/19/23 14:09 | 01/25/23 | GPC-SR90-AF | As Received | 01/30/23 12:40 | 02/01/23 12:07 |
| 003 | 01/19/23 13:21 | 01/25/23 | ASP-PU239-AF | As Received | 01/30/23 12:40 | 02/07/23 02:16 |
| 003 | 01/19/23 13:21 | 01/25/23 | ASP-TH-AF | As Received | 01/30/23 12:40 | 02/07/23 02:18 |
| 003 | 01/19/23 13:21 | 01/25/23 | GAM-A-AF | As Received | NA | 01/27/23 15:37 |
| 003 | 01/19/23 13:21 | 01/25/23 | GPC-SR90-AF | As Received | 01/30/23 12:40 | 02/01/23 12:07 |

SAMPLE RECEIPT/PREP

The samples arrived in good condition. The samples were screened for radioactive contamination as per procedure **PALA-SR-001-SOP Sample Receiving**. Sample date(s) and time(s) are listed as provided by the client. In regard to the Air Filters, no flow rate information was provided by the client. Turnaround time was set at 28 calendar days.



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ANALYTICAL METHODS

Pu-239/240 analysis was performed using **PALA-RAD-026**, "Americium, Plutonium and Uranium in Water, Soil and Vegetation Matrices by Sequential Separation Using Eichrom Stabilized Chemistry Resin (with Vacuum Box System Option) (Eichrom ACW-02 & Eichrom ACW-03)".

Th-232 analysis was performed using **PALA-RAD-031**, "Thorium in Water, Soil and Vegetation Matrices by Eichrom Resin Separation (Eichrom ACW-08 & Eichrom ACW-10)".

Ac-228, Am-241, Bi-212, Bi-214, Co-60, Cs-137, Eu-152, Eu-154, K-40, Pa-234, Pb-210, Pb-212, Pb-214, Ra-226, Ra-228, Th-234, Tl-208, U-235, and U-238 analyses were performed using **PALA-RAD-007**, "Modified Gamma Emitting Radionuclides in Soil, Air, and Biota Matrices (EPA 901.1 Mod, SM 7120B, & HASL-300 Ga-01-R)".

Sr-90 analysis was performed using **PALA-RAD-032**, "Strontium 89, 90 and Total Strontium in Water, Soil and Vegetation Matrices by Eichrom Resin Separation (Eichrom SRW01, EPA 905.0, HASL 300 Sr-01-RC)".

ANALYTICAL RESULTS

Fraction 001 in batch ARS1-B23-00163 has elevated MDA for Pu-239/240 with ACT of -3.973E-8 uCi/filter, MDA of 1.689E-7 uCi/filter and CRDL of 4.8E-08 uCi/filter.

Fraction 001 in batch ARS1-B23-00143 has elevated MDA for Ra-226 with ACT of -2.936E-7 uCi/filter, MDA of 9.588E-6 uCi/filter and CRDL of 4.4E-06 uCi/filter.

Fraction 002 in batch ARS1-B23-00163 has elevated MDA for Pu-239/240 with ACT of -6.070E-9 uCi/filter, MDA of 1.058E-7 uCi/filter and CRDL of 4.8E-08 uCi/filter.

Fraction 002 in batch ARS1-B23-00164 has elevated MDA for Th-232 with ACT of 1.856E-8 uCi/filter, MDA of 7.434E-8 uCi/filter and CRDL of 1.4E-08 uCi/filter.

Fraction 002 in batch ARS1-B23-00143 has elevated MDA for Ra-226 with ACT of -6.219E-6 uCi/filter, MDA of 1.502E-5 uCi/filter and CRDL of 4.4E-06 uCi/filter.

Fraction 003 in batch ARS1-B23-00163 has elevated MDA for Pu-239/240 with ACT of 0.000 uCi/filter, MDA of 1.397E-7 uCi/filter and CRDL of 4.8E-08 uCi/filter.

Fraction 003 in batch ARS1-B23-00164 has elevated MDA for Th-232 with ACT of 6.371E-8 uCi/filter, MDA of 7.398E-8 uCi/filter and CRDL of 1.4E-08 uCi/filter.

Fraction 003 in batch ARS1-B23-00143 has elevated MDA for Ra-226 with ACT of 2.823E-6 uCi/filter, MDA of 8.986E-6 uCi/filter and CRDL of 4.4E-06 uCi/filter.

ARS1-B23-00163: ROI's adjusted to better fit the peaks of interest.

ARS1-B23-00164: ROI's adjusted to better fit the peaks of interest.

Notes (Case Narrative)

Definitions:

| | |
|-----------------|---|
| CRDL | Contract Required Detection Limit |
| CSU | Combined Standard Uncertainty |
| DLC | Decision Level Concentration (ANSI N42.23) |
| DO | Duplicate Original |
| DUP | Sample Duplicate |
| LCS/LCSD | Laboratory Control Sample/Laboratory Control Sample Duplicate |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| MBL | Method Blank |
| MCL | Maximum Contaminant Level |
| MDA | Minimum Detectable Activity |
| MDL | Method Detection Limit |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| N/A | Not Applicable |
| NC | Not Calculated |
| NP | Not Provided |
| NR | Not Referenced |
| PQL | Practical Quantitation Limit |

Data Qualifiers:

| | |
|-----------|--|
| B | The result of both the method blank and the target sample are above the MDL. |
| D | Sample analysis accomplished through dilution. |
| J | The reported result is an estimated value above the LOD but below the LOQ, or above the MDL but below the PQL. |
| Q | One or more quality control criteria failed. |
| U | Result is below the MDA, MDL, PQL, LOD, or LOQ |
| * | LCS/LCSD or Sample DUP fails all Duplicate criteria. |
| S | Spike |
| SC | Subcontracted out to another qualified laboratory |
| H | Holding time exceeded |
| E | Exceeds MCL |
| ** | Reporting Limit is higher than MCL; Target cannot be detected |
| # | Method/Matrix/Analyte not accredited for this certification |

Radiochemistry Comments:

- 1.0) All MDA/MDC values are calculated on a sample specific basis.
- 2.0) Data in this report are within the limits of uncertainty specified in the reference method unless otherwise specified.
- 3.0) Total activity is actually total gamma activity and is determined utilizing the prominent gamma emitters from the naturally occurring radioactive decay chains and other prominent radioactive nuclides. Total activity may be lower than the actual total activity due to the extent of secular equilibrium achieved in the various decay chains at the time of analysis. The total activity is not representative of nuclides that emit solely alpha or beta particles.
- 4.0) Ra-228 is determined via secular equilibrium with its daughter, Actinium 228 (Gamma Spectroscopy only).
- 5.0) U-238 is determined via secular equilibrium with its daughter, Thorium 234 (Gamma Spectroscopy only).
- 6.0) All gamma spectroscopy was performed utilizing high purity germanium detectors (**HPGe**).
- 7.0) ARS makes every attempt to match sample density to calibrated density; however, in some cases, it is not practical or possible to do so and data results may be affected (Gamma Spectroscopy only).
- 8.0) Gamma spectroscopy results are calculated values based on the **ORTEC® GammaVision ENV32 Analysis Engine**.
- 9.0) DoD/DOE and ISO 17025 certifications through ANAB apply only to the following methods in **Non-Potable Water**:
Gross Alpha and Gross Beta (EPA 900.0, EPA 9310); Radium 226 (EPA 903.0, EPA 903.1, EPA 9315); Radium 228 (EPA 904.0, EPA 9320); ICP/MS (EPA 6020B); ICP-OES (EPA 6010D); Mercury CVAA (EPA 7470A); Strontium-89 (EPA 905.0, Eichrom SRW01, HASL 300 Sr-01); Strontium-90 (EPA 905.0, Eichrom SRW01, HASL 300 Sr-02-RC); Tritium (EPA 906.0); Enriched Tritium (ARS-040), Carbon-14 (ARS-019), Tritium/Carbon (ARS-151); Gamma Emitters (EPA 901.1, SM 7120B, HASL 300 Ga-01-R); Americium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Am-03); Plutonium 238, Plutonium 239/240, Plutonium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Pu-10); Thorium-228, Thorium 230, Thorium-232 (Eichrom ACW10); Uranium-234, Uranium-235, Uranium-238 (Eichrom ACW03, HASL 300 Se-03); Technetium-99 (Eichrom TCW02)
- 10.0) DoD/DOE and ISO 17025 certifications through ANAB apply only to the following methods in **Solid and Chemical Materials**:
Gross Alpha and Gross Beta (EPA 900.0 Mod, EPA 9310); ICP/MS (EPA 6020B); ICP-OES (EPA 6010D); Mercury CVAA (EPA 7471B); Strontium-89 (EPA 905.0 Mod, Eichrom SRW01, HASL 300 Sr-01); Strontium-90 (EPA 905.0 Mod, Eichrom SRW01, HASL 300 Sr-02); Tritium (EPA 906.0 Mod); Gamma Emitters (EPA 901.1, HASL 300 Ga-01-R); Americium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Am-01-RC); Plutonium 238, Plutonium 239/240, Plutonium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Pu-02-RC, HASL 300 Pu-03-RC); Thorium-228, Thorium 230, Thorium-232 (Eichrom ACW10); Uranium-234, Uranium-235, Uranium-238 (Eichrom ACW03, HASL 300 Se-03, HASL 300 U-02, HASL 300 U-04); Technetium-99 (Eichrom TCS01)
- 11.0) DoD/DOE and ISO 17025 certifications through ANAB apply only to the following methods in **Air and Emissions**:
Gross Alpha and Gross Beta (EPA 900.0 Mod, EPA 9310); Strontium-89 (Eichrom SRW01, HASL 300 Sr-01-RC); Strontium-90 (Eichrom SRW01, HASL 300 Sr-02-RC); Gamma Emitters (EPA 901.1, HASL 300 Ga-01-R); Americium-241 (Eichrom ACW03, HASL 300 Se-03); Plutonium 238, Plutonium 239/240, Plutonium-241 (Eichrom ACW03, HASL 300 Se-03); Thorium-228, Thorium 230, Thorium-232 (Eichrom ACW10); Uranium-234, Uranium-235, Uranium-238 (Eichrom ACW03, HASL 300 Se-03); Technetium-99 (Eichrom TCW02, Eichrom TCS01)

General Comments:

- 1.0) Modified analysis procedures are procedures that are modified to meet certain specifications. An example may be the use of a water method to analyze a solid matrix due to the lack of an officially recognized procedure for the analysis of the solid matrix. Modified analyses are indicated by the subsequent addition of "M" or "Mod" to the procedure number (i.e. 901.1M, 901.1 Mod).
- 2.0) All NIOSH method results are reported without blank corrections applied.
- 3.0) Basis: "As Received" = analyzed as received from client; "Dry" = dried prior to being analyzed; "Dry Weight Corrected" = analyzed as received; result corrected for percent moisture.



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ARS Sample Delivery Group: ARS1-23-00163**Client Sample ID:** FBC-011723**Sample Collection Date:** 01/17/23 8:00**Sample Matrix:** Air Filter**Percent Solids:** N/A**Request or PO Number:** J310000600**ARS Sample ID:** ARS1-23-00163-001**Date Received:** 01/25/23**Report Date:** 02/16/23

Radiochemistry

Analysis Method: Eichrom ACW03**ABatch Sample ID:** ARS1-B23-00163-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Pu-239/240 | -3.973E-8 | 8.425E-8 | 1.689E-7 | 7.547E-8 | 4.8E-08 | U | uCi/filter | 02/07/23 2:16 | [REDACTED] | 59.7% |

Analysis Method: Eichrom ACW10**ABatch Sample ID:** ARS1-B23-00164-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Th-232 | 7.330E-8 | 4.792E-8 | 4.906E-8 | 1.550E-8 | 1.4E-08 | | uCi/filter | 02/07/23 2:18 | [REDACTED] | 59.1% |

Analysis Method: EPA 901.1M**ABatch Sample ID:** ARS1-B23-00143-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Bi-214 | 1.833E-6 | 9.631E-7 | 1.228E-6 | 6.140E-7 | NP | | uCi/filter | 01/26/23 14:20 | [REDACTED] | N/A |
| Co-60 | 1.402E-7 | 7.838E-7 | 8.086E-7 | 4.043E-7 | 0.00024 | U | uCi/filter | 01/26/23 14:20 | [REDACTED] | N/A |
| Cs-137 | -2.686E-7 | 7.195E-7 | 7.776E-7 | 3.888E-7 | 0.00048 | U | uCi/filter | 01/26/23 14:20 | [REDACTED] | N/A |
| Pa-234 | 3.429E-6 | 1.921E-6 | 9.719E-7 | 4.860E-7 | NP | | uCi/filter | 01/26/23 14:20 | [REDACTED] | N/A |
| Ra-226 | -2.936E-7 | 7.557E-6 | 9.588E-6 | 4.794E-6 | 4.4E-06 | U | uCi/filter | 01/26/23 14:20 | [REDACTED] | N/A |

Analysis Method: Eichrom SRW01**ABatch Sample ID:** ARS1-B23-00165-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| SR-90 | 1.271E-6 | 2.063E-6 | 3.520E-6 | 1.614E-6 | 2.4E-05 | U | uCi/filter | 02/01/23 12:07 | [REDACTED] | 96.9% |



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ARS Sample Delivery Group: ARS1-23-00163**Client Sample ID:** MSC01-011723**Sample Collection Date:** 01/19/23 14:09**Sample Matrix:** Air Filter**Percent Solids:** N/A**Request or PO Number:** J310000600**ARS Sample ID:** ARS1-23-00163-002**Date Received:** 01/25/23**Report Date:** 02/16/23

Radiochemistry

Analysis Method: Eichrom ACW03**ABatch Sample ID:** ARS1-B23-00163-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Pu-239/240 | -6.070E-9 | 5.186E-8 | 1.058E-7 | 4.465E-8 | 4.8E-08 | U | uCi/filter | 02/07/23 2:16 | [REDACTED] | 68.9% |

Analysis Method: Eichrom ACW10**ABatch Sample ID:** ARS1-B23-00164-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Th-232 | 1.856E-8 | 4.028E-8 | 7.434E-8 | 2.879E-8 | 1.4E-08 | U | uCi/filter | 02/07/23 2:18 | [REDACTED] | 63.1% |

Analysis Method: EPA 901.1M**ABatch Sample ID:** ARS1-B23-00143-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Co-60 | 3.365E-7 | 8.630E-7 | 9.432E-7 | 4.716E-7 | 0.00024 | U | uCi/filter | 01/26/23 14:22 | [REDACTED] | N/A |
| Cs-137 | -4.629E-7 | 8.531E-7 | 9.878E-7 | 4.939E-7 | 0.00048 | U | uCi/filter | 01/26/23 14:22 | [REDACTED] | N/A |
| K-40 | 3.744E-5 | 1.400E-5 | 1.027E-5 | 5.135E-6 | NP | | uCi/filter | 01/26/23 14:22 | [REDACTED] | N/A |
| Ra-226 | -6.219E-6 | 1.499E-5 | 1.502E-5 | 7.510E-6 | 4.4E-06 | U | uCi/filter | 01/26/23 14:22 | [REDACTED] | N/A |

Analysis Method: Eichrom SRW01**ABatch Sample ID:** ARS1-B23-00165-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| SR-90 | -2.565E-6 | 2.368E-6 | 4.599E-6 | 2.149E-6 | 2.4E-05 | U | uCi/filter | 02/01/23 12:07 | [REDACTED] | 96.1% |



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ARS Sample Delivery Group: ARS1-23-00163**Client Sample ID:** MSC02-011723**Sample Collection Date:** 01/19/23 13:21**Sample Matrix:** Air Filter**Percent Solids:** N/A**Request or PO Number:** J310000600**ARS Sample ID:** ARS1-23-00163-003**Date Received:** 01/25/23**Report Date:** 02/16/23

Radiochemistry

Analysis Method: Eichrom ACW03**ABatch Sample ID:** ARS1-B23-00163-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Pu-239/240 | 0.000 | 7.125E-8 | 1.397E-7 | 5.980E-8 | 4.8E-08 | U | uCi/filter | 02/07/23 2:16 | [REDACTED] | 57.7% |

Analysis Method: Eichrom ACW10**ABatch Sample ID:** ARS1-B23-00164-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Th-232 | 6.371E-8 | 5.461E-8 | 7.398E-8 | 2.620E-8 | 1.4E-08 | U | uCi/filter | 02/07/23 2:18 | [REDACTED] | 51.6% |

Analysis Method: EPA 901.1M**ABatch Sample ID:** ARS1-B23-00143-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Co-60 | 1.698E-7 | 8.193E-7 | 8.432E-7 | 4.216E-7 | 0.00024 | U | uCi/filter | 01/27/23 15:37 | [REDACTED] | N/A |
| Cs-137 | -9.837E-8 | 6.542E-7 | 7.123E-7 | 3.562E-7 | 0.00048 | U | uCi/filter | 01/27/23 15:37 | [REDACTED] | N/A |
| Pa-234 | 4.267E-6 | 2.595E-6 | 9.128E-7 | 4.564E-7 | NP | | uCi/filter | 01/27/23 15:37 | [REDACTED] | N/A |
| Ra-226 | 2.823E-6 | 7.124E-6 | 8.986E-6 | 4.493E-6 | 4.4E-06 | U | uCi/filter | 01/27/23 15:37 | [REDACTED] | N/A |

Analysis Method: Eichrom SRW01**ABatch Sample ID:** ARS1-B23-00165-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| SR-90 | 1.169E-6 | 2.203E-6 | 3.789E-6 | 1.749E-6 | 2.4E-05 | U | uCi/filter | 02/01/23 12:07 | [REDACTED] | 101% |



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QC Sample Results

Analytical Batch: ARS1-B23-00143

Sample Type: LCS

Lab Sample ID: ARS1-B23-00143-01

Matrix: Air Filter

Method: EPA 901.1M

Analysis Date: 01/31/23 9:24

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|---------|-------------|-----------------|------|----------------|-------|--------------|
| Am-241 | 33.065 | 31.495 | | uCi/filter | 95.3 | 75 - 125 |
| Co-60 | 20.928 | 20.788 | | uCi/filter | 99.3 | 75 - 125 |
| Cs-137 | 12.996 | 13.176 | | uCi/filter | 101.4 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00143

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00143-02

Matrix: Air Filter

Method: EPA 901.1M

Analysis Date: 01/31/23 9:39

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|---------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| Am-241 | 33.065 | 31.288 | | uCi/filter | 94.6 | 75 - 125 | 0.7 | 25 | 0.120 | 3 |
| Co-60 | 20.928 | 20.665 | | uCi/filter | 98.7 | 75 - 125 | 0.6 | 25 | 0.140 | 3 |
| Cs-137 | 12.996 | 13.268 | | uCi/filter | 102.1 | 75 - 125 | 0.7 | 25 | 0.148 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00143**Sample Type:** MBL**Lab Sample ID:** ARS1-B23-00143-03**Matrix:** Air Filter**Method:** EPA 901.1M**Analysis Date:** 01/31/23 14:12

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|---------|-----------------|-------------|-------|----------|------|----------------|
| Ac-228 | -0.003 | 0.006 | 0.006 | 0.003 | U | uCi/filter |
| Am-241 | 4.983E-4 | 0.001 | 0.002 | 0.001 | U | uCi/filter |
| Bi-212 | 0.006 | 0.010 | 0.012 | 0.006 | U | uCi/filter |
| Bi-214 | -0.006 | 0.004 | 0.004 | 0.002 | U | uCi/filter |
| Co-60 | -0.001 | 0.002 | 0.002 | 9.100E-4 | U | uCi/filter |
| Cs-137 | 3.122E-4 | 0.001 | 0.002 | 7.750E-4 | U | uCi/filter |
| Eu-152 | 4.264E-4 | 0.001 | 0.002 | 8.950E-4 | U | uCi/filter |
| K-40 | -0.013 | 0.024 | 0.024 | 0.012 | U | uCi/filter |
| Pa-234 | 7.970E-4 | 0.002 | 0.002 | 0.001 | U | uCi/filter |
| Pb-210 | -0.018 | 0.016 | 0.017 | 0.009 | U | uCi/filter |
| Pb-212 | -0.002 | 0.002 | 0.003 | 0.001 | U | uCi/filter |
| Pb-214 | -0.005 | 0.003 | 0.004 | 0.002 | U | uCi/filter |
| Ra-226 | -0.083 | 0.032 | 0.032 | 0.016 | U | uCi/filter |
| Ra-228 | -0.003 | 0.006 | 0.006 | 0.003 | U | uCi/filter |
| Th-234 | -0.005 | 0.016 | 0.017 | 0.008 | U | uCi/filter |
| Tl-208 | -3.928E-4 | 0.002 | 0.002 | 8.100E-4 | U | uCi/filter |
| U-235 | 0.003 | 0.002 | 0.006 | 0.003 | U | uCi/filter |
| U-238 | -0.005 | 0.016 | 0.017 | 0.008 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00163

Analytical Batch: ARS1-B23-00143

Analysis: Gamma Spec (Short) in (Air Filters, Smears [AF])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|------------|-------------|
| ARS1-B23-00143-01 | | Lab Control Sample | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00143-02 | | Lab Control Sample Duplicate | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00143-03 | | Method Blank | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00143-04 | ARS1-23-00163-001 | FBC-011723 | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00143-05 | ARS1-23-00163-002 | MSC01-011723 | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00143-06 | ARS1-23-00163-003 | MSC02-011723 | Air Filter | EPA 901.1M | N/A |



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QC Sample Results

Analytical Batch: ARS1-B23-00163

Lab Sample ID: ARS1-B23-00163-01

Method: Eichrom ACW03

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/07/23 2:16

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|------------|-------------|-----------------|------|----------------|-------|--------------|
| Pu-239/240 | 7.740E-6 | 7.960E-6 | | uCi/filter | 102.8 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00163

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00163-02

Matrix: Air Filter

Method: Eichrom ACW03

Analysis Date: 02/07/23 2:16

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|------------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| Pu-239/240 | 7.754E-6 | 7.833E-6 | | uCi/filter | 101.0 | 75 - 125 | 1.6 | 25 | 0.178 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00163

Sample Type: MBL

Lab Sample ID: ARS1-B23-00163-03

Matrix: Air Filter

Method: Eichrom ACW03

Analysis Date: 02/07/23 2:16

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|------------|-----------------|-------------|----------|----------|------|----------------|
| Pu-238 | -4.943E-8 | 6.071E-8 | 1.435E-7 | 6.061E-8 | U | uCi/filter |
| Pu-239/240 | -7.413E-8 | 8.122E-8 | 1.803E-7 | 7.901E-8 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00163

Analytical Batch: ARS1-B23-00163

Analysis: Plutonium (239, 240Pu) in (Air Filters, Smears, Leak Test [AF, SM, LT])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|---------------|-------------|
| ARS1-B23-00163-01 | | Lab Control Sample | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00163-02 | | Lab Control Sample Duplicate | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00163-03 | | Method Blank | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00163-04 | ARS1-23-00163-001 | FBC-011723 | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00163-05 | ARS1-23-00163-002 | MSC01-011723 | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00163-06 | ARS1-23-00163-003 | MSC02-011723 | Air Filter | Eichrom ACW03 | N/A |



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QC Sample Results

Analytical Batch: ARS1-B23-00164

Lab Sample ID: ARS1-B23-00164-01

Method: Eichrom ACW10

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/07/23 2:18

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|---------|-------------|-----------------|------|----------------|-------|--------------|
| Th-230 | 5.181E-6 | 5.950E-6 | | uCi/filter | 114.8 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00164

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00164-02

Matrix: Air Filter

Method: Eichrom ACW10

Analysis Date: 02/07/23 2:18

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|---------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| Th-230 | 5.197E-6 | 5.955E-6 | | uCi/filter | 114.6 | 75 - 125 | 0.1 | 25 | 0.010 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00164

Sample Type: MBL

Lab Sample ID: ARS1-B23-00164-03

Matrix: Air Filter

Method: Eichrom ACW10

Analysis Date: 02/07/23 2:18

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|---------|-----------------|-------------|----------|----------|------|----------------|
| Th-228 | -1.144E-7 | 1.332E-7 | 2.695E-7 | 1.228E-7 | U | uCi/filter |
| Th-230 | 3.480E-8 | 8.704E-8 | 1.578E-7 | 6.712E-8 | U | uCi/filter |
| Th-232 | -8.682E-9 | 3.806E-8 | 9.349E-8 | 3.498E-8 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00163

Analytical Batch: ARS1-B23-00164

Analysis: Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|---------------|-------------|
| ARS1-B23-00164-01 | | Lab Control Sample | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00164-02 | | Lab Control Sample Duplicate | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00164-03 | | Method Blank | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00164-04 | ARS1-23-00163-001 | FBC-011723 | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00164-05 | ARS1-23-00163-002 | MSC01-011723 | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00164-06 | ARS1-23-00163-003 | MSC02-011723 | Air Filter | Eichrom ACW10 | N/A |



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QC Sample Results

Analytical Batch: ARS1-B23-00165

Lab Sample ID: ARS1-B23-00165-01

Method: Eichrom SRW01

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/01/23 12:07

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|---------|-------------|-----------------|------|----------------|-------|--------------|
| SR-90 | 1.994E-5 | 2.360E-5 | | uCi/filter | 118.4 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00165

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00165-02

Matrix: Air Filter

Method: Eichrom SRW01

Analysis Date: 02/01/23 12:07

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|---------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| SR-90 | 1.998E-5 | 2.158E-5 | | uCi/filter | 108.0 | 75 - 125 | 8.9 | 25 | 0.811 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00165

Sample Type: MBL

Lab Sample ID: ARS1-B23-00165-03

Matrix: Air Filter

Method: Eichrom SRW01

Analysis Date: 02/01/23 12:07

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|---------|-----------------|-------------|----------|----------|------|----------------|
| SR-90 | 2.365E-6 | 2.446E-6 | 3.994E-6 | 1.838E-6 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00163

Analytical Batch: ARS1-B23-00165

Analysis: Strontium-90 in (Air Filters, Smears [AF])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|---------------|-------------|
| ARS1-B23-00165-01 | | Lab Control Sample | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00165-02 | | Lab Control Sample Duplicate | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00165-03 | | Method Blank | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00165-04 | ARS1-23-00163-001 | FBC-011723 | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00165-05 | ARS1-23-00163-002 | MSC01-011723 | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00165-06 | ARS1-23-00163-003 | MSC02-011723 | Air Filter | Eichrom SRW01 | N/A |



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QC Results per Analytical Batch

| | |
|------------------|--|
| Analytical Batch | ARS1-B23-00143 |
| SDG | ARS1-23-00163 |
| Analysis | Gamma Spec (Short) in (Air Filters, Smears [AF]) |
| Method | EPA 901.1M |
| Analysis Code | GAM-A-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | | ≤ 25 |

| Laboratory Control Sample | | | Analysis Date | 01/31/23 09:24 | Analysis Technician | █ | |
|---------------------------|---------|---------|---------------|----------------|---------------------|-------------|-------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00143-01 | LCS | AM-241 | 31.495 | 2.397 | 33.065 | 95.3 | 0.117 |
| ARS1-B23-00143-01 | LCS | CO-60 | 20.788 | 1.220 | 20.928 | 99.3 | 0.307 |
| ARS1-B23-00143-01 | LCS | CS-137 | 13.176 | 0.861 | 12.996 | 101.4 | 0.068 |

| Duplicate RER/DER/RPD | | | Analysis Date | 01/31/23 09:39 | Analysis Technician | █ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|-----|--|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| AM-241 | 31.495 | 2.397 | 31.288 | 2.381 | 0.120 | 0.7 | |
| CO-60 | 20.788 | 1.220 | 20.665 | 1.214 | 0.140 | 0.6 | |
| CS-137 | 13.176 | 0.861 | 13.268 | 0.867 | 0.148 | 0.7 | |

| Method Blank | | | Analysis Date | 01/31/23 14:12 | Analysis Technician | █ | |
|--------------------------|---------|---------|---------------|----------------|---------------------|------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00143-03 | MBL | AC-228 | -0.003 | 0.006 | 0.006 | U | |
| ARS1-B23-00143-03 | MBL | AM-241 | 4.983E-4 | 0.001 | 0.002 | U | |
| ARS1-B23-00143-03 | MBL | BI-212 | 0.006 | 0.010 | 0.012 | U | |
| ARS1-B23-00143-03 | MBL | BI-214 | -0.006 | 0.004 | 0.004 | U | |
| ARS1-B23-00143-03 | MBL | CO-60 | -0.001 | 0.002 | 0.002 | U | |
| ARS1-B23-00143-03 | MBL | CS-137 | 3.122E-4 | 0.001 | 0.002 | U | |
| ARS1-B23-00143-03 | MBL | EU-152 | 4.264E-4 | 0.001 | 0.002 | U | |
| ARS1-B23-00143-03 | MBL | K-40 | -0.013 | 0.024 | 0.024 | U | |
| ARS1-B23-00143-03 | MBL | PA-234 | 7.970E-4 | 0.002 | 0.002 | U | |
| ARS1-B23-00143-03 | MBL | PB-210 | -0.018 | 0.016 | 0.017 | U | |
| ARS1-B23-00143-03 | MBL | PB-212 | -0.002 | 0.002 | 0.003 | U | |
| ARS1-B23-00143-03 | MBL | PB-214 | -0.005 | 0.003 | 0.004 | U | |
| ARS1-B23-00143-03 | MBL | RA-226 | -0.083 | 0.032 | 0.032 | U | |
| ARS1-B23-00143-03 | MBL | RA-228 | -0.003 | 0.006 | 0.006 | U | |
| ARS1-B23-00143-03 | MBL | TH-234 | -0.005 | 0.016 | 0.017 | U | |
| ARS1-B23-00143-03 | MBL | TL-208 | -3.928E-4 | 0.002 | 0.002 | U | |
| ARS1-B23-00143-03 | MBL | U-235 | 0.003 | 0.002 | 0.006 | U | |
| ARS1-B23-00143-03 | MBL | U-238 | -0.005 | 0.016 | 0.017 | U | |



QC Results per Analytical Batch

| | |
|-------------------------|--|
| Analytical Batch | ARS1-B23-00163 |
| SDG | ARS1-23-00163 |
| Analysis | Plutonium (239, 240Pu) in (Air Filters, Smears, Leak Test [AF, SM, LT]) |
| Method | Eichrom ACW03 |
| Analysis Code | ASP-PU239-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/07/23 02:16 | Analysis Technician | ██████████ | |
|---------------------------|---------|------------|---------------|----------------|---------------------|-------------|----------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00163-01 | LCS | PU-239/240 | 7.960E-6 | 9.960E-7 | 7.740E-6 | 102.8 | 8.826E-8 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/07/23 02:16 | Analysis Technician | ██████████ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|------------|--|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| PU-239/240 | 7.960E-6 | 9.960E-7 | 7.833E-6 | 9.837E-7 | 0.178 | 1.6 | |

| Method Blank | | | Analysis Date | 02/07/23 02:16 | Analysis Technician | ██████████ | |
|--------------------------|---------|------------|---------------|----------------|---------------------|------------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00163-03 | MBL | PU-238 | -4.943E-8 | 6.071E-8 | 1.435E-7 | U | |
| ARS1-B23-00163-03 | MBL | PU-239/240 | -7.413E-8 | 8.122E-8 | 1.803E-7 | U | |



QC Results per Analytical Batch

| | |
|------------------|--|
| Analytical Batch | ARS1-B23-00164 |
| SDG | ARS1-23-00163 |
| Analysis | Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT]) |
| Method | Eichrom ACW10 |
| Analysis Code | ASP-TH-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/07/23 02:18 | Analysis Technician | ██████████ | |
|---------------------------|------------|---------|---------------|----------------|---------------------|-------------|----------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00164-01 | LCS | TH-230 | 5.950E-6 | 7.606E-7 | 5.181E-6 | 114.8 | 5.496E-8 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/07/23 02:18 | Analysis Technician | ██████████ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|------------|--|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| TH-230 | 5.950E-6 | 7.606E-7 | 5.955E-6 | 7.595E-7 | 0.010 | 0.1 | |

| Method Blank | | | Analysis Date | 02/07/23 02:18 | Analysis Technician | ██████████ | |
|--------------------------|------------|---------|---------------|----------------|---------------------|------------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00164-03 | MBL | TH-228 | -1.144E-7 | 1.332E-7 | 2.695E-7 | U | |
| ARS1-B23-00164-03 | MBL | TH-230 | 3.480E-8 | 8.704E-8 | 1.578E-7 | U | |
| ARS1-B23-00164-03 | MBL | TH-232 | -8.682E-9 | 3.806E-8 | 9.349E-8 | U | |



QC Results per Analytical Batch

| | |
|------------------|--|
| Analytical Batch | ARS1-B23-00165 |
| SDG | ARS1-23-00163 |
| Analysis | Strontium-90 in (Air Filters, Smears [AF]) |
| Method | Eichrom SRW01 |
| Analysis Code | GPC-SR90-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/01/23 12:07 | Analysis Technician | ██████████ | |
|---------------------------|---------|---------|---------------|----------------|---------------------|-------------|----------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00165-01 | LCS | SR-90 | 2.360E-5 | 3.600E-6 | 1.994E-5 | 118.4 | 3.696E-7 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/01/23 12:07 | Analysis Technician | ██████████ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|------------|-----|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| SR-90 | | 2.360E-5 | 3.600E-6 | 2.158E-5 | 3.294E-6 | 0.811 | 8.9 |

| Method Blank | | | Analysis Date | 02/01/23 12:07 | Analysis Technician | ██████████ | |
|--------------------------|---------|---------|---------------|----------------|---------------------|------------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00165-03 | MBL | SR-90 | 2.365E-6 | 2.446E-6 | 3.994E-6 | U | |



2609 North River Road • Port Allen, Louisiana 70767

(225) 228-1394

ARS Aleut Analytical, LLC

Analytical Reports

for

GES-AIS, LLC

Sample Management Records

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 012423RADC



| | | |
|--|---|------------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: ARS Aleut Analytical (AAA), Port Allen, LA | Event: Parcel C Air Monitoring RAD |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 2609 North River Road, Port Allen, LA 70767-3469 | |

Comments:

Please see edits in red 1/25/23

9315 has been removed 1/25/23

| Code | Matrix |
|------|--------------------------------|
| A | Air |
| AQ | Air Quality Control Matrix |
| Code | Container/Preservative |
| 1 | 1x Filter, None |
| 5 | 1x 1-L Plastic, HNO3, pH < 2 |
| 15 | 1x 250-mL Plastic, 4 Degrees C |

Page 1 of 1

Equipment:**Event: Parcel C Air Monitoring RAD**

| Sample ID | Matrix | Date | Time | Samp Init. | Analytical Test Method | 15 | 15 | 15 | 5 | 1 | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
|----------------|--------|------------|------|------------|------------------------|----|----|----|---|---|-------------|-------------|----------------|------|--------|----------|
| | | | | | | | | | | | | | Top - Bottom | | | |
| 1 FBC-011723 | AQ | 01/17/2023 | 0800 | [REDACTED] | X X X X X X | | | | | | FIELDQC | FB2 | 0.00 | 0.00 | 1 | |
| 2 MSC01-011723 | A | 01/17/2023 | 1409 | [REDACTED] | X X X X X X | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 MSC02-011723 | A | 01/17/2023 | 1321 | [REDACTED] | X X X X X X | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|---|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/24/23 | 1400 | FedEx | 1/24/23 | 1400 | Shipping Date: 1/24/2023 / FEDEX / 7709 0720 4668 |
| Received by Laboratory: (Signature, Date, Time) & condition | | | | | | |
| [REDACTED] | | | | | | 1-25-23/1225 |

SDG Report - Samples and Containers

| SDG Specific Data | | | | | | | |
|-----------------------|----------------------|-----------|-------------------|-------------------------|-------------------|---------------------|---|
| SDG | ARS1-23-00163 | | TAT Days | 28 Calendar Days | | Project Type | Environmental |
| Sample Count | 3 | Rpt Level | 4 | Date Received | 01/25/2023 | | COC Number |
| Client | GES-AIS, LLC | | Discrepancy Resol | N/A | | PO Number | |
| Client Code | 1138 | | Client Deadline | 02/22/2023 | | Job Number | J310000600 |
| Profile Number | PN-01440 | | | | | Job Location | Hunters Point Shipyard, Parcel C Removal Site Evaluation |
| Comment | | | | | | | |

| Samples and Containers Checked In Thus Far | | | | | | | | | |
|--|--------------|------------|------------------|------------------|------------------|------|-------|---------|----------|
| FR | Name | Matrix | Start Date | End Date | Disp | Hold | Arch | Storage | Comments |
| 001 | FBC-011723 | Air Filter | 01/17/2023 07:59 | 01/17/2023 08:00 | H | 30 | 10 | PrePrep | |
| | IC_ID | Cnt | Container Type | AF Volume (L) | AF Units | | Rate | Mins | Comments |
| | 430000 | 1 | HDP Container | 1 | LPM | | | 1 | |
| | | | Mid-Sample Date: | 01/17/2023 07:59 | AF Volume (CuM): | | 0.001 | | |
| 002 | MSC01-011723 | Air Filter | 01/19/2023 14:08 | 01/19/2023 14:09 | H | 30 | 10 | PrePrep | |
| | IC_ID | Cnt | Container Type | AF Volume (L) | AF Units | | Rate | Mins | Comments |
| | 430001 | 1 | HDP Container | 1 | LPM | | | 1 | |
| | | | Mid-Sample Date: | 01/19/2023 14:08 | AF Volume (CuM): | | 0.001 | | |
| 003 | MSC02-011723 | Air Filter | 01/19/2023 13:20 | 01/19/2023 13:21 | H | 30 | 10 | PrePrep | |
| | IC_ID | Cnt | Container Type | AF Volume (L) | AF Units | | Rate | Mins | Comments |
| | 430002 | 1 | HDP Container | 1 | LPM | | | 1 | |
| | | | Mid-Sample Date: | 01/19/2023 13:20 | AF Volume (CuM): | | 0.001 | | |

SDG Report - Analysis Assignments

| | | | |
|---------------|----------------------|-----------------------|-------------|
| SDG | ARS1-23-00163 | Sample Count | 3 |
| Client | GES-AIS, LLC | Analysis Count | 4-12 |

| Sample Count Totals Per Analysis | | | |
|----------------------------------|---|--------|---------------|
| Analysis Code | Analysis Description | In/Out | Samples Count |
| ASP-PU239-AF | Plutonium (239, 240Pu) in (Air Filters, Smears, Leak Test [AF, SM, LT]) | I | 3 |
| ASP-TH-AF | Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT]) | I | 3 |
| GAM-A-AF | Gamma Spec (Short) in (Air Filters, Smears [AF]) | I | 3 |
| GPC-SR90-AF | Strontium-90 in (Air Filters, Smears [AF]) | I | 3 |

| Analyses Assigned Per Fraction | | |
|--------------------------------|---------------|--------------|
| Fraction | Analysis Code | X = Assigned |
| 001 | ASP-PU239-AF | X |
| 001 | ASP-TH-AF | X |
| 001 | GAM-A-AF | X |
| 001 | GPC-SR90-AF | X |
| 002 | ASP-PU239-AF | X |
| 002 | ASP-TH-AF | X |
| 002 | GAM-A-AF | X |
| 002 | GPC-SR90-AF | X |
| 003 | ASP-PU239-AF | X |
| 003 | ASP-TH-AF | X |
| 003 | GAM-A-AF | X |
| 003 | GPC-SR90-AF | X |

Client Name: GES-AIS, LLC

Profile Name: Parcel C Rad Sampling

Report Level: 4

| Analysis Code | Prep Type | Units | Aliquot | Prep Code | Procedure | Count Time | | | | | | | | |
|---------------------|-------------------------|-------|---------|-----------------------|--------------|------------|------------|-------------|-----|-----|------------|--|--|--|
| ASP-PU239-AF | WRAD | uCi | filter | N/A | PALA-RAD-026 | | | | | | | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL | | | |
| ASP-TH-AF | Pu-239/240 (15117-48-3) | | | 4.8E-08 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL | | | |
| GAM-A-AF | Th-232 (7440-29-1) | | | 1.4E-08 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL | | | |
| Ac-228 (14331-83-0) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Am-241 (14596-10-2) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Bi-212 (14913-49-6) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Bi-214 (14733-03-0) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Co-60 (10198-40-0) | | | | 0.00024 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Cs-137 (10045-97-3) | | | | 0.00048 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Eu-152 (14683-23-9) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Eu-154 (15585-10-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| K-40 (13966-00-2) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Pb-210 (14255-04-0) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Pb-212 (15092-94-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Pb-214 (15067-28-4) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Ra-226 (13982-63-3) | | | | 4.4E-06 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Ra-228 (15262-20-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Th-234 (15065-10-8) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Tl-208 (14913-50-9) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| U-235 (15117-96-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| U-238 (7440-61-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |

DQO Report for SDG

ARS1-23-00163

| | | | | | | | | | | | |
|-------------|---------------------|-----|--------|-----------------------|--------------|----------|------------|-------------|-----|-----|------------|
| GAM-A-AF | Pa-234 (15100-28-4) | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A |
| GPC-SR90-AF | WRAD | uCi | filter | N/A | PALA-RAD-032 | | | | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL |
| | Sr-90 (10098-97-2) | | | 2.4E-05 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A |

| Analysis Code | Fraction | Units | Aliquot | Conductivity | Analyte Count |
|---------------|----------|-----------------------|---------|--------------|---------------|
| ASP-PU239-AF | 001 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Pu-239/240 |
| ASP-PU239-AF | 002 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Pu-239/240 |
| ASP-PU239-AF | 003 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Pu-239/240 |
| ASP-TH-AF | 001 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Th-232 |
| ASP-TH-AF | 002 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Th-232 |
| ASP-TH-AF | 003 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Th-232 |
| GAM-A-AF | 001 | uCi | filter | N/A | 19 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Ac-228 |
| | | Parcel C Rad Sampling | | | Am-241 |
| | | Parcel C Rad Sampling | | | Bi-212 |
| | | Parcel C Rad Sampling | | | Bi-214 |
| | | Parcel C Rad Sampling | | | Co-60 |
| | | Parcel C Rad Sampling | | | Cs-137 |
| | | Parcel C Rad Sampling | | | Eu-152 |

DQO Report for SDG

ARS1-23-00163

| GAM-A-AF | 001 | Parcel C Rad Sampling | Eu-154 |
|----------|-----|-----------------------|---------|
| | | Parcel C Rad Sampling | K-40 |
| | | Parcel C Rad Sampling | Pa-234 |
| | | Parcel C Rad Sampling | Pb-210 |
| | | Parcel C Rad Sampling | Pb-212 |
| | | Parcel C Rad Sampling | Pb-214 |
| | | Parcel C Rad Sampling | Ra-226 |
| | | Parcel C Rad Sampling | Ra-228 |
| | | Parcel C Rad Sampling | Th-234 |
| | | Parcel C Rad Sampling | Tl-208 |
| | | Parcel C Rad Sampling | U-235 |
| | | Parcel C Rad Sampling | U-238 |
| GAM-A-AF | 002 | uCi | filter |
| | | Group | Analyte |
| | | Parcel C Rad Sampling | Ac-228 |
| | | Parcel C Rad Sampling | Am-241 |
| | | Parcel C Rad Sampling | Bi-212 |
| | | Parcel C Rad Sampling | Bi-214 |
| | | Parcel C Rad Sampling | Co-60 |
| | | Parcel C Rad Sampling | Cs-137 |
| | | Parcel C Rad Sampling | Eu-152 |
| | | Parcel C Rad Sampling | Eu-154 |
| | | Parcel C Rad Sampling | K-40 |
| | | Parcel C Rad Sampling | Pa-234 |
| | | Parcel C Rad Sampling | Pb-210 |
| | | Parcel C Rad Sampling | Pb-212 |
| | | Parcel C Rad Sampling | Pb-214 |
| | | Parcel C Rad Sampling | Ra-226 |
| | | Parcel C Rad Sampling | Ra-228 |
| | | Parcel C Rad Sampling | Th-234 |
| | | Parcel C Rad Sampling | Tl-208 |
| | | Parcel C Rad Sampling | U-235 |
| | | Parcel C Rad Sampling | U-238 |

DQO Report for SDG

ARS1-23-00163

| GAM-A-AF | 003 | uCi | filter | N/A | 19 |
|-------------|-----|-----------------------|--------|---------|----|
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | Ac-228 | |
| | | Parcel C Rad Sampling | | Am-241 | |
| | | Parcel C Rad Sampling | | Bi-212 | |
| | | Parcel C Rad Sampling | | Bi-214 | |
| | | Parcel C Rad Sampling | | Co-60 | |
| | | Parcel C Rad Sampling | | Cs-137 | |
| | | Parcel C Rad Sampling | | Eu-152 | |
| | | Parcel C Rad Sampling | | Eu-154 | |
| | | Parcel C Rad Sampling | | K-40 | |
| | | Parcel C Rad Sampling | | Pa-234 | |
| | | Parcel C Rad Sampling | | Pb-210 | |
| | | Parcel C Rad Sampling | | Pb-212 | |
| | | Parcel C Rad Sampling | | Pb-214 | |
| | | Parcel C Rad Sampling | | Ra-226 | |
| | | Parcel C Rad Sampling | | Ra-228 | |
| | | Parcel C Rad Sampling | | Th-234 | |
| | | Parcel C Rad Sampling | | Tl-208 | |
| | | Parcel C Rad Sampling | | U-235 | |
| | | Parcel C Rad Sampling | | U-238 | |
| GPC-SR90-AF | 001 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | Sr-90 | |
| GPC-SR90-AF | 002 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | Sr-90 | |
| GPC-SR90-AF | 003 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | Sr-90 | |

PALA Sample Receipt Inspection Form

Client Name: Gilbane

SDG: ARS1-23-00163

| | | |
|--|--------------------------------------|--|
| Sample Custodian: [REDACTED] | Survey Start Date: <u>1/25/23</u> | Survey Start Time: <u>1230</u> |
| Thermometer ID: <u>E10540122421</u> | Calibration Due Date: <u>1/12/24</u> | pH Paper Lot# <u>N/A</u> |
| Exposure Rate Meter + Probe Unit ID: <u>2734029</u> | Calibration Due Date: <u>9/13/23</u> | Background: <u>4</u> $\mu\text{R}/\text{hr}$ |
| Count Rate Meter + Probe Unit ID: <u>2108993</u> | Calibration Due Date: <u>9/19/23</u> | Background: <u>20</u> cpm |
| Delivery Type (circle one): Direct Lock Box <u>Commercial Carrier</u> <u>FEDEX</u> | Total # of ESCs: <u>1</u> | |

| External Shipping Container Tracking: | Exposure Rate ($\mu\text{R}/\text{hr}$) (limit <500 $\mu\text{R}/\text{hr}$) | Max External Swipe Counts (cpm) | Max Internal Swipe Counts (cpm) | ESC True Temps* ($^{\circ}\text{C}$) | *True temperature is recorded which includes any applicable correction factors. | | | |
|---------------------------------------|--|---------------------------------|---------------------------------|--|---|--|--|--|
| | | | | | TRAX Matrix ID (circle all that apply): (See Section 4.3 of SOP) | | | |
| A: <u>770907204668</u> | <u>5</u> | <u>30</u> | <u>30</u> | <u>N/A</u> | <input checked="" type="checkbox"/> AQ | <input checked="" type="checkbox"/> WD | <input checked="" type="checkbox"/> WG | <input checked="" type="checkbox"/> WO |
| B: | | | | | <input checked="" type="checkbox"/> WS | <input checked="" type="checkbox"/> WW | <input checked="" type="checkbox"/> SI | <input checked="" type="checkbox"/> UR |
| C: | | | | | <input checked="" type="checkbox"/> SO | <input checked="" type="checkbox"/> OL | <input checked="" type="checkbox"/> BI | <input checked="" type="checkbox"/> VG |
| D: | | | | | <input checked="" type="checkbox"/> WP | <input checked="" type="checkbox"/> SM | <input checked="" type="checkbox"/> AF | |
| E: | | | | | | | | |
| F: | | | | | | | | |

| Visual Inspection: <u>External Shipping Container</u> | | <u>(Circle response)</u> | | <u>COC/Sample Inspection</u> | | <u>(Circle response)</u> | |
|--|--------------------------------------|-------------------------------------|-----|---|---|--|--|
| Good Condition with no Leaks or Tears | <input checked="" type="radio"/> Yes | No | | Sample Containers in good condition | <input checked="" type="radio"/> Yes | No | |
| Marked Radioactive | Yes | <input checked="" type="radio"/> No | | No spills or leaks | <input checked="" type="radio"/> Yes | No | |
| UN2910 | Yes | <input checked="" type="radio"/> No | | Marked Radioactive | Yes | <input checked="" type="radio"/> No | |
| Security Seals | <input checked="" type="radio"/> Yes | No | | Durable labels w/indelible ink | <input checked="" type="radio"/> Yes | No | |
| If yes, intact? | <input checked="" type="radio"/> Yes | No | N/A | COC relinquished/received correctly | <input checked="" type="radio"/> Yes | No | |
| <u>Internal Shipping Container</u> | | | | Adequate volume/filled correctly | <input checked="" type="radio"/> Yes | No | |
| COC's Present | <input checked="" type="radio"/> Yes | No | | Hold Time sufficient for analysis | <input checked="" type="radio"/> Yes | No | |
| Well packaged container with no signs of leakage | <input checked="" type="radio"/> Yes | No | | For VOC/Radon, Head space? | Yes | No | <input checked="" type="radio"/> N/A |
| | | | | If yes, <6mm? | Yes | No | <input checked="" type="radio"/> N/A |
| | | | | # of containers received matches # on COC | <input checked="" type="radio"/> Yes | No | |
| Comments: | | | | Samples received on ice? | Yes | <input checked="" type="radio"/> No | |
| | | | | Type (circle one): | <input checked="" type="radio"/> Bagged Ice | <input checked="" type="radio"/> Loose Ice | <input checked="" type="radio"/> Blue Ice <input checked="" type="radio"/> N/A |
| | | | | | | | |
| | | | | | | | |

ORIGIN ID:JCCA

200 FISHER STREET

SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 04JAN23
ACTWGT: 1.00 LB
CAD: 254128867/NET4530

BILL SENDER

TO [REDACTED]

ARS ALEUT ANALYTICAL, LLC
2609 NORTH RIVER ROAD

PORT ALLEN LA 70767

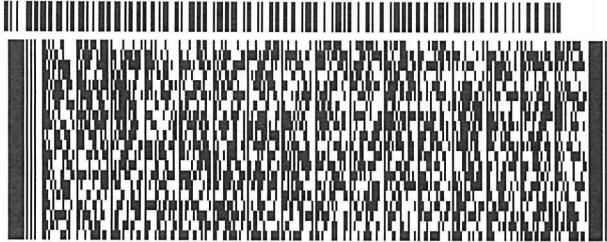
(225) 381-2991

INV:

PO:

REF: J31000.600 02.04.05

DEPT:



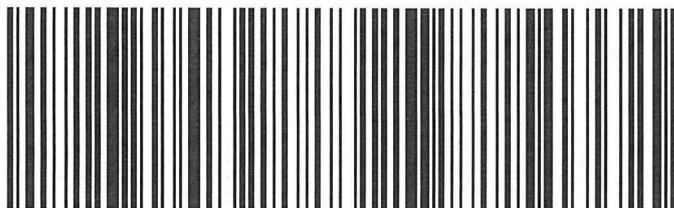
581J1/DR09/FED

THU - 05 JAN 4:30P
STANDARD OVERNIGHT

TRK#
0201 7709 0720 4668

XN OPLA

70767
LA-US MSY



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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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ARS Aleut Analytical, LLC

Laboratory Analytical Report

ARS1-23-00221

GES-AIS, LLC
[REDACTED]

1655 Grant Street
Suite 1200
Concord, CA 94520
[REDACTED]
[REDACTED]

COC Number: LS013123RADC

Job Number: J310000600

Job Location: Hunters Point Shipyard, Parcel C Removal Site Evaluation

Project Name: Parcel C Air Monitoring RAD

Questions regarding this analytical report should be addressed to ARS project manager, [REDACTED], who can be reached by email at projectmanagers@aaa.aleutfederal.com.

I certify that the test results presented in this report (in either hardcopy or electronic file (EDD)) meet the requirements of the laboratory's certifications and other applicable contract terms and conditions. A full list of the Port Allen, LA laboratory's certifications is provided with this report. Any exceptions to the certification or contract will be noted within the case narratives presented in the report. Any subcontracted sample results will be identified within the case narratives presented in the report. In the event this report is an amendment to a previously released report, the case narrative will clearly identify the original report as well as the reason(s) for reissuance. A statement of uncertainty for each analysis is available upon request. I authorize release and issuance of this report on the date signed below.

[REDACTED]

Date

Laboratory Management, ARS Aleut Analytical

Signature _____ Title _____

This report provides analytical results of the requested analysis and does not include any opinions or interpretations. ARS Aleut Analytical, LLC assumes no liability for the use or interpretation of analytical results. Results relate only to items tested. A partial reproduction of this test report is prohibited. Reproduction of this report in full requires the written approval of the laboratory.





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Certifications and Accreditations List

| State or Accrediting Body (AB) | Certificate Number |
|--------------------------------|--------------------|
| AIHA LAP, LLC | 209312 |
| Alaska | LA01131 |
| California | 3085 |
| ANAB DoD | ADE-1489 |
| ANAB DOE | ADE-1489.01 |
| Louisiana DEQ - NELAC | 01949 |
| Louisiana DHH | LA022 |
| Nevada | LA011312023-1 |
| New Jersey | LA009 |
| New York | 65039 |
| Pennsylvania | 68-04294-011 |
| Texas | T104704447-22-18 |
| Utah | LA011312022-13 |
| Washington | C1010 |

For additional information related to the specific matrices, methods, and analytes recognized by each accrediting body, contact us at QA@aaa.aleutfederal.com for additional information.



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ARS Aleut Analytical, LLC

Analytical Reports

for

GES-AIS, LLC

Case Narrative



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**PROJECT SAMPLE IDENTIFICATION
CROSS-REFERENCE
TO ARS SAMPLE LABORATORY IDs**

| Client Sample ID | ARS Aleut Analytical Sample ID |
|------------------|--------------------------------|
| FBC-012323 | ARS1-23-00221-001 |
| MSC01-012323 | ARS1-23-00221-002 |
| MSC02-012323 | ARS1-23-00221-003 |
| MSC01-012323D | ARS1-23-00221-004 |

| Sample | Date Collected | Date Received | Analysis | Basis | Prep Date/Time | Analysis Date/Time |
|--------|----------------|---------------|--------------|-------------|----------------|--------------------|
| 001 | 01/23/23 08:00 | 02/02/23 | ASP-PU239-AF | As Received | 02/13/23 07:27 | 02/17/23 01:03 |
| 001 | 01/23/23 08:00 | 02/02/23 | ASP-TH-AF | As Received | 02/08/23 12:42 | 02/11/23 02:16 |
| 001 | 01/23/23 08:00 | 02/02/23 | GAM-A-AF | As Received | NA | 02/07/23 14:15 |
| 001 | 01/23/23 08:00 | 02/02/23 | GPC-SR90-AF | As Received | 02/13/23 07:27 | 02/21/23 11:10 |
| 002 | 01/25/23 13:38 | 02/02/23 | ASP-PU239-AF | As Received | 02/13/23 07:27 | 02/17/23 01:03 |
| 002 | 01/25/23 13:38 | 02/02/23 | ASP-TH-AF | As Received | 02/08/23 12:42 | 02/11/23 02:16 |
| 002 | 01/25/23 13:38 | 02/02/23 | GAM-A-AF | As Received | NA | 02/03/23 13:43 |
| 002 | 01/25/23 13:38 | 02/02/23 | GPC-SR90-AF | As Received | 02/13/23 07:27 | 02/21/23 11:10 |
| 003 | 01/25/23 13:43 | 02/02/23 | ASP-PU239-AF | As Received | 02/13/23 07:27 | 02/17/23 01:03 |
| 003 | 01/25/23 13:43 | 02/02/23 | ASP-TH-AF | As Received | 02/08/23 12:42 | 02/11/23 02:16 |
| 003 | 01/25/23 13:43 | 02/02/23 | GAM-A-AF | As Received | NA | 02/02/23 14:08 |
| 003 | 01/25/23 13:43 | 02/02/23 | GPC-SR90-AF | As Received | 02/13/23 07:27 | 02/21/23 11:10 |
| 004 | 01/25/23 13:38 | 02/02/23 | ASP-PU239-AF | As Received | 02/13/23 07:27 | 02/17/23 01:03 |



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| Sample | Date Collected | Date Received | Analysis | Basis | Prep Date/Time | Analysis Date/Time |
|--------|-------------------|---------------|-------------|-------------|--|--|
| 004 | 01/25/23 13:38 | 02/02/23 | ASP-TH-AF | As Received | 02/08/23 12:42 02/20/23 13:48 | 02/11/23 02:16 02/24/23 02:55 |
| 004 | 01/25/23 13:38 | 02/02/23 | GAM-A-AF | As Received | NA | 02/07/23 14:10 |
| 004 | 01/25/23 13:38 | 02/02/23 | GPC-SR90-AF | As Received | 02/13/23 07:27 | 02/21/23 11:10 |

SAMPLE RECEIPT/PREP

The samples arrived in good condition. The samples were screened for radioactive contamination as per procedure **PALA-SR-001-SOP Sample Receiving**. Sample date(s) and time(s) are listed as provided by the client. In regard to the Air Filters, no flow rate information was provided by the client. Turnaround time was set at 28 calendar days.

ANALYTICAL METHODS

Pu-239/240 analysis was performed using **PALA-RAD-026, "Americium, Plutonium and Uranium in Water, Soil and Vegetation Matrices by Sequential Separation Using Eichrom Stabilized Chemistry Resin (with Vacuum Box System Option) (Eichrom ACW-02 & Eichrom ACW-03)"**.

Th-232 analysis was performed using **PALA-RAD-031, "Thorium in Water, Soil and Vegetation Matrices by Eichrom Resin Separation (Eichrom ACW-08 & Eichrom ACW-10)"**.

Ac-228, Am-241, Bi-212, Bi-214, Co-60, Cs-137, Eu-152, Eu-154, K-40, Pa-234, Pb-210, Pb-212, Pb-214, Ra-226, Ra-228, Th-234, Tl-208, U-235, and U-238 analyses were performed using **PALA-RAD-007, "Modified Gamma Emitting Radionuclides in Soil, Air, and Biota Matrices (EPA 901.1 Mod, SM 7120B, & HASL-300 Ga-01-R)"**.

Sr-90 analysis was performed using **PALA-RAD-032, "Strontium 89, 90 and Total Strontium in Water, Soil and Vegetation Matrices by Eichrom Resin Separation (Eichrom SRW01, EPA 905.0, HASL 300 Sr-01-RC)"**.

ANALYTICAL RESULTS

Batch ARS1-B23-00227 LCSD tracer recovery values are outside limits of 30%-110%. The tracer recoveries, though biased, are used in the final calculation of the calculated result, which passed QC criteria.

Fraction 001 in batch ARS1-B23-00193 has elevated MDA for Ra-226 with ACT of -1.265E-6 uCi/filter, MDA of 9.451E-6 uCi/filter and CRDL of 4.4E-06 uCi/filter.

Fraction 002 in batch ARS1-B23-00193 has elevated MDA for Ra-226 with ACT of 5.194E-7 uCi/filter, MDA of 9.308E-6 uCi/filter and CRDL of 4.4E-06 uCi/filter.

Fraction 003 in batch ARS1-B23-00193 has elevated MDA for Ra-226 with ACT of -6.377E-6 uCi/filter, MDA of 1.561E-5 uCi/filter and CRDL of 4.4E-06 uCi/filter.



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ARS1-23-00221: The Method Blank for GAM-A-AF had a detect for Ra-226. All fractions were non-detects, therefore the activity in the Method Blank did not contribute to the concentration in client samples.

ARS1-23-00221: The Method Blank for ASP-TH-AF had a detect for Th-232. All fractions were non-detects, therefore the activity in the Method Blank did not contribute to the concentration in client samples.

ARS1-B23-00227: ROI's adjusted to better fit the peaks of interest.

ARS1-B23-00242: ROI's adjusted to better fit the peaks of interest.

ARS1-B23-00291: ROI's adjusted to better fit the peaks of interest.

Notes (Case Narrative)

Definitions:

| | |
|-----------------|---|
| CRDL | Contract Required Detection Limit |
| CSU | Combined Standard Uncertainty |
| DLC | Decision Level Concentration (ANSI N42.23) |
| DO | Duplicate Original |
| DUP | Sample Duplicate |
| LCS/LCSD | Laboratory Control Sample/Laboratory Control Sample Duplicate |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| MBL | Method Blank |
| MCL | Maximum Contaminant Level |
| MDA | Minimum Detectable Activity |
| MDL | Method Detection Limit |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| N/A | Not Applicable |
| NC | Not Calculated |
| NP | Not Provided |
| NR | Not Referenced |
| PQL | Practical Quantitation Limit |

Data Qualifiers:

| | |
|-----------|--|
| B | The result of both the method blank and the target sample are above the MDL. |
| D | Sample analysis accomplished through dilution. |
| J | The reported result is an estimated value above the LOD but below the LOQ, or above the MDL but below the PQL. |
| Q | One or more quality control criteria failed. |
| U | Result is below the MDA, MDL, PQL, LOD, or LOQ |
| * | LCS/LCSD or Sample DUP fails all Duplicate criteria. |
| S | Spike |
| SC | Subcontracted out to another qualified laboratory |
| H | Holding time exceeded |
| E | Exceeds MCL |
| ** | Reporting Limit is higher than MCL; Target cannot be detected |
| # | Method/Matrix/Analyte not accredited for this certification |

Radiochemistry Comments:

- 1.0) All MDA/MDC values are calculated on a sample specific basis.
- 2.0) Data in this report are within the limits of uncertainty specified in the reference method unless otherwise specified.
- 3.0) Total activity is actually total gamma activity and is determined utilizing the prominent gamma emitters from the naturally occurring radioactive decay chains and other prominent radioactive nuclides. Total activity may be lower than the actual total activity due to the extent of secular equilibrium achieved in the various decay chains at the time of analysis. The total activity is not representative of nuclides that emit solely alpha or beta particles.
- 4.0) Ra-228 is determined via secular equilibrium with its daughter, Actinium 228 (Gamma Spectroscopy only).
- 5.0) U-238 is determined via secular equilibrium with its daughter, Thorium 234 (Gamma Spectroscopy only).
- 6.0) All gamma spectroscopy was performed utilizing high purity germanium detectors (**HPGe**).
- 7.0) ARS makes every attempt to match sample density to calibrated density; however, in some cases, it is not practical or possible to do so and data results may be affected (Gamma Spectroscopy only).
- 8.0) Gamma spectroscopy results are calculated values based on the **ORTEC® GammaVision ENV32 Analysis Engine**.
- 9.0) DoD/DOE and ISO 17025 certifications through ANAB apply only to the following methods in **Non-Potable Water**: Gross Alpha and Gross Beta (EPA 900.0, EPA 9310); Radium 226 (EPA 903.0, EPA 903.1, EPA 9315); Radium 228 (EPA 904.0, EPA 9320); ICP/MS (EPA 6020B); ICP-OES (EPA 6010D); Mercury CVAA (EPA 7470A); Strontium-89 (EPA 905.0, Eichrom SRW01, HASL 300 Sr-01); Strontium-90 (EPA 905.0, Eichrom SRW01, HASL 300 Sr-02-RC); Tritium (EPA 906.0); Enriched Tritium (ARS-040), Carbon-14 (ARS-019), Tritium/Carbon (ARS-151); Gamma Emitters (EPA 901.1, SM 7120B, HASL 300 Ga-01-R); Americium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Am-03); Plutonium 238, Plutonium 239/240, Plutonium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Pu-10); Thorium-228, Thorium 230, Thorium-232 (Eichrom ACW10); Uranium-234, Uranium-235, Uranium-238 (Eichrom ACW03, HASL 300 Se-03); Technetium-99 (Eichrom TCW02).
- 10.0) DoD/DOE and ISO 17025 certifications through ANAB apply only to the following methods in **Solid and Chemical Materials**: Gross Alpha and Gross Beta (EPA 900.0 Mod, EPA 9310); ICP/MS (EPA 6020B); ICP-OES (EPA 6010D); Mercury CVAA (EPA 7471B); Strontium-89 (EPA 905.0 Mod, Eichrom SRW01, HASL 300 Sr-01); Strontium-90 (EPA 905.0 Mod, Eichrom SRW01, HASL 300 Sr-02); Tritium (EPA 906.0 Mod); Gamma Emitters (EPA 901.1, HASL 300 Ga-01-R); Americium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Am-01-RC); Plutonium 238, Plutonium 239/240, Plutonium-241 (Eichrom ACW03, HASL 300 Se-03, HASL 300 Pu-02-RC, HASL 300 Pu-03-RC); Thorium-228, Thorium 230, Thorium-232 (Eichrom ACW10); Uranium-234, Uranium-235, Uranium-238 (Eichrom ACW03, HASL 300 Se-03, HASL 300 U-02, HASL 300 U-04); Technetium-99 (Eichrom TCS01).
- 11.0) DoD/DOE and ISO 17025 certifications through ANAB apply only to the following methods in **Air and Emissions**: Gross Alpha and Gross Beta (EPA 900.0 Mod, EPA 9310); Strontium-89 (Eichrom SRW01, HASL 300 Sr-01-RC); Strontium-90 (Eichrom SRW01, HASL 300 Sr-02-RC); Gamma Emitters (EPA 901.1, HASL 300 Ga-01-R); Americium-241 (Eichrom ACW03, HASL 300 Se-03); Plutonium 238, Plutonium 239/240, Plutonium-241 (Eichrom ACW03, HASL 300 Se-03); Thorium-228, Thorium 230, Thorium-232 (Eichrom ACW10); Uranium-234, Uranium-235, Uranium-238 (Eichrom ACW03, HASL 300 Se-03); Technetium-99 (Eichrom TCW02, Eichrom TCS01)

General Comments:

- 1.0) Modified analysis procedures are procedures that are modified to meet certain specifications. An example may be the use of a water method to analyze a solid matrix due to the lack of an officially recognized procedure for the analysis of the solid matrix. Modified analyses are indicated by the subsequent addition of "M" or "Mod" to the procedure number (i.e. 901.1M, 901.1 Mod).
- 2.0) All NIOSH method results are reported without blank corrections applied.
- 3.0) Basis: "As Received" = analyzed as received from client; "Dry" = dried prior to being analyzed; "Dry Weight Corrected" = analyzed as received; result corrected for percent moisture.



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ARS Aleut Analytical, LLC

Analytical Reports

for

GES-AIS, LLC

Analytical Results



2609 North River Road • Port Allen, Louisiana 70767

(225) 228-1394

ARS Sample Delivery Group: ARS1-23-00221

Client Sample ID: FBC-012323

Sample Collection Date: 01/23/23 8:00

Sample Matrix: Air Filter

Percent Solids: N/A

Request or PO Number: LS013123RADC

ARS Sample ID: ARS1-23-00221-001

Date Received: 02/02/23

Report Date: 02/28/23

Radiochemistry

Analysis Method: Eichrom ACW03

ABatch Sample ID: ARS1-B23-00242-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Pu-239/240 | 0.000 | 9.366E-8 | 1.759E-7 | 7.860E-8 | 4.8E-08 | U | uCi/filter | 02/17/23 1:03 | [REDACTED] | 57.4% |

Analysis Method: Eichrom ACW10

ABatch Sample ID: ARS1-B23-00227-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Th-232 | 7.859E-8 | 5.222E-8 | 6.084E-8 | 2.155E-8 | 1.4E-08 | | uCi/filter | 02/11/23 2:16 | [REDACTED] | 60.4% |

Analysis Method: EPA 901.1M

ABatch Sample ID: ARS1-B23-00193-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Bi-214 | 1.773E-6 | 1.118E-6 | 1.385E-6 | 6.925E-7 | NP | | uCi/filter | 02/07/23 14:15 | [REDACTED] | N/A |
| Co-60 | -4.043E-7 | 9.268E-7 | 9.441E-7 | 4.721E-7 | 0.00024 | U | uCi/filter | 02/07/23 14:15 | [REDACTED] | N/A |
| Cs-137 | 1.995E-7 | 6.761E-7 | 7.330E-7 | 3.665E-7 | 0.00048 | U | uCi/filter | 02/07/23 14:15 | [REDACTED] | N/A |
| Ra-226 | -1.265E-6 | 7.465E-6 | 9.451E-6 | 4.726E-6 | 4.4E-06 | U | uCi/filter | 02/07/23 14:15 | [REDACTED] | N/A |

Analysis Method: Eichrom SRW01

ABatch Sample ID: ARS1-B23-00243-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| SR-90 | -5.685E-7 | 2.050E-6 | 3.831E-6 | 1.767E-6 | 2.4E-05 | U | uCi/filter | 02/21/23 11:10 | [REDACTED] | 93.6% |



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ARS Sample Delivery Group: ARS1-23-00221**Client Sample ID:** MSC01-012323**Sample Collection Date:** 01/25/23 13:38**Sample Matrix:** Air Filter**Percent Solids:** N/A**Request or PO Number:** LS013123RADC**ARS Sample ID:** ARS1-23-00221-002**Date Received:** 02/02/23**Report Date:** 02/28/23

Radiochemistry

Analysis Method: Eichrom ACW03**ABatch Sample ID:** ARS1-B23-00242-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Pu-239/240 | 0.000 | 6.551E-8 | 1.302E-7 | 5.498E-8 | 4.8E-08 | U | uCi/filter | 02/17/23 1:03 | [REDACTED] | 56.0% |

Analysis Method: Eichrom ACW10**ABatch Sample ID:** ARS1-B23-00227-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Th-232 | 1.471E-8 | 4.081E-8 | 7.920E-8 | 2.963E-8 | 1.4E-08 | U | uCi/filter | 02/11/23 2:16 | [REDACTED] | 56.9% |

Analysis Method: EPA 901.1M**ABatch Sample ID:** ARS1-B23-00193-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Bi-214 | 1.963E-6 | 9.848E-7 | 1.233E-6 | 6.165E-7 | NP | | uCi/filter | 02/03/23 13:43 | [REDACTED] | N/A |
| Co-60 | 1.062E-7 | 8.175E-7 | 8.434E-7 | 4.217E-7 | 0.00024 | U | uCi/filter | 02/03/23 13:43 | [REDACTED] | N/A |
| Cs-137 | -1.436E-7 | 6.735E-7 | 7.318E-7 | 3.659E-7 | 0.00048 | U | uCi/filter | 02/03/23 13:43 | [REDACTED] | N/A |
| Pb-210 | 4.891E-6 | 3.065E-6 | 4.547E-6 | 2.274E-6 | NP | | uCi/filter | 02/03/23 13:43 | [REDACTED] | N/A |
| Pb-214 | 1.742E-6 | 8.153E-7 | 1.041E-6 | 5.205E-7 | NP | | uCi/filter | 02/03/23 13:43 | [REDACTED] | N/A |
| Ra-226 | 5.194E-7 | 7.336E-6 | 9.308E-6 | 4.654E-6 | 4.4E-06 | U | uCi/filter | 02/03/23 13:43 | [REDACTED] | N/A |

Analysis Method: Eichrom SRW01**ABatch Sample ID:** ARS1-B23-00243-05

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| SR-90 | -3.992E-7 | 1.845E-6 | 3.435E-6 | 1.583E-6 | 2.4E-05 | U | uCi/filter | 02/21/23 11:10 | [REDACTED] | 97.8% |



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ARS Sample Delivery Group: ARS1-23-00221**Client Sample ID:** MSC02-012323**Sample Collection Date:** 01/25/23 13:43**Sample Matrix:** Air Filter**Percent Solids:** N/A**Request or PO Number:** LS013123RADC**ARS Sample ID:** ARS1-23-00221-003**Date Received:** 02/02/23**Report Date:** 02/28/23

Radiochemistry

Analysis Method: Eichrom ACW03**ABatch Sample ID:** ARS1-B23-00242-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Pu-239/240 | -3.730E-8 | 5.190E-8 | 1.171E-7 | 5.010E-8 | 4.8E-08 | U | uCi/filter | 02/17/23 1:03 | [REDACTED] | 68.8% |

Analysis Method: Eichrom ACW10**ABatch Sample ID:** ARS1-B23-00227-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Th-232 | 5.909E-8 | 6.008E-8 | 9.090E-8 | 3.401E-8 | 1.4E-08 | U | uCi/filter | 02/11/23 2:16 | [REDACTED] | 50.7% |

Analysis Method: EPA 901.1M**ABatch Sample ID:** ARS1-B23-00193-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Co-60 | -5.968E-7 | 1.028E-6 | 1.111E-6 | 5.555E-7 | 0.00024 | U | uCi/filter | 02/02/23 14:08 | [REDACTED] | N/A |
| Cs-137 | 3.164E-7 | 7.633E-7 | 8.885E-7 | 4.443E-7 | 0.00048 | U | uCi/filter | 02/02/23 14:08 | [REDACTED] | N/A |
| K-40 | 3.946E-5 | 1.359E-5 | 9.552E-6 | 4.776E-6 | NP | | uCi/filter | 02/02/23 14:08 | [REDACTED] | N/A |
| Ra-226 | -6.377E-6 | 1.537E-5 | 1.561E-5 | 7.805E-6 | 4.4E-06 | U | uCi/filter | 02/02/23 14:08 | [REDACTED] | N/A |

Analysis Method: Eichrom SRW01**ABatch Sample ID:** ARS1-B23-00243-06

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| SR-90 | 9.560E-8 | 2.136E-6 | 3.848E-6 | 1.785E-6 | 2.4E-05 | U | uCi/filter | 02/21/23 11:10 | [REDACTED] | 97.8% |



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ARS Sample Delivery Group: ARS1-23-00221**Client Sample ID:** MSC01-012323D**Sample Collection Date:** 01/25/23 13:38**Sample Matrix:** Air Filter**Percent Solids:** N/A**Request or PO Number:** LS013123RADC**ARS Sample ID:** ARS1-23-00221-004**Date Received:** 02/02/23**Report Date:** 02/28/23

Radiochemistry

Analysis Method: Eichrom ACW03**ABatch Sample ID:** ARS1-B23-00242-07

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Pu-239/240 | -1.691E-7 | 8.318E-8 | 1.935E-7 | 8.760E-8 | 4.8E-08 | U | uCi/filter | 02/17/23 1:03 | [REDACTED] | 58.4% |

Analysis Method: Eichrom ACW10**ABatch Sample ID:** ARS1-B23-00291-04

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Th-232 | 1.394E-8 | 4.322E-8 | 8.372E-8 | 3.242E-8 | 1.4E-08 | U | uCi/filter | 02/24/23 2:55 | [REDACTED] | 60.0% |

Analysis Method: EPA 901.1M**ABatch Sample ID:** ARS1-B23-00193-07

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| Co-60 | -6.369E-7 | 1.128E-6 | 1.142E-6 | 5.710E-7 | 0.00024 | U | uCi/filter | 02/07/23 14:10 | [REDACTED] | N/A |
| Cs-137 | 3.558E-8 | 7.995E-7 | 9.013E-7 | 4.507E-7 | 0.00048 | U | uCi/filter | 02/07/23 14:10 | [REDACTED] | N/A |
| Ra-226 | 8.866E-6 | 6.301E-6 | 8.866E-6 | 4.433E-6 | 4.4E-06 | U | uCi/filter | 02/07/23 14:10 | [REDACTED] | N/A |

Analysis Method: Eichrom SRW01**ABatch Sample ID:** ARS1-B23-00243-07

| Analysis Description | Analysis Results | CSU +/- 2 s | MDA | DLC | CRDL | Qual | Analysis Units | Analysis Date/Time | Analysis Technician | Tracer/Chem Recovery |
|----------------------|------------------|-------------|----------|----------|---------|------|----------------|--------------------|---------------------|----------------------|
| SR-90 | 1.085E-6 | 2.364E-6 | 4.093E-6 | 1.895E-6 | 2.4E-05 | U | uCi/filter | 02/21/23 11:10 | [REDACTED] | 98.6% |



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QC Summary



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QC Sample Results

Analytical Batch: ARS1-B23-00227

Lab Sample ID: ARS1-B23-00227-01

Method: Eichrom ACW10

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/11/23 2:16

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|---------|-------------|-----------------|------|----------------|-------|--------------|
| Th-230 | 5.222E-6 | 6.085E-6 | | uCi/filter | 116.5 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00227

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00227-02

Matrix: Air Filter

Method: Eichrom ACW10

Analysis Date: 02/11/23 2:16

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|---------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| Th-230 | 5.237E-6 | 5.967E-6 | | uCi/filter | 113.9 | 75 - 125 | 2.0 | 25 | 0.187 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00227

Sample Type: MBL

Lab Sample ID: ARS1-B23-00227-03

Matrix: Air Filter

Method: Eichrom ACW10

Analysis Date: 02/11/23 2:16

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|---------|-----------------|-------------|----------|----------|------|----------------|
| Th-228 | 1.130E-7 | 1.009E-7 | 1.572E-7 | 6.767E-8 | U | uCi/filter |
| Th-230 | 4.408E-7 | 1.444E-7 | 1.336E-7 | 5.594E-8 | | uCi/filter |
| Th-232 | -1.600E-8 | 2.226E-8 | 7.431E-8 | 2.632E-8 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00221

Analytical Batch: ARS1-B23-00227

Analysis: Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|---------------|-------------|
| ARS1-B23-00227-01 | | Lab Control Sample | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00227-02 | | Lab Control Sample Duplicate | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00227-03 | | Method Blank | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00227-04 | ARS1-23-00221-001 | FBC-012323 | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00227-05 | ARS1-23-00221-002 | MSC01-012323 | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00227-06 | ARS1-23-00221-003 | MSC02-012323 | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00227-07 | ARS1-23-00221-004 | MSC01-012323D | Air Filter | Eichrom ACW10 | N/A |



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QC Sample Results

Analytical Batch: ARS1-B23-00193

Lab Sample ID: ARS1-B23-00193-01

Method: EPA 901.1M

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/03/23 7:34

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|---------|-------------|-----------------|------|----------------|-------|--------------|
| Am-241 | 33.065 | 31.184 | | uCi/filter | 94.3 | 75 - 125 |
| Co-60 | 20.928 | 21.279 | | uCi/filter | 101.7 | 75 - 125 |
| Cs-137 | 12.996 | 13.301 | | uCi/filter | 102.3 | 75 - 125 |



QC Sample Results

Analytical Batch: ARS1-B23-00193**Sample Type:** LCSD**Lab Sample ID:** ARS1-B23-00193-02**Matrix:** Air Filter**Method:** EPA 901.1M**Analysis Date:** 02/03/23 7:46

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|---------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| Am-241 | 33.065 | 31.634 | | uCi/filter | 95.7 | 75 - 125 | 1.4 | 25 | 0.261 | 3 |
| Co-60 | 20.928 | 20.655 | | uCi/filter | 98.7 | 75 - 125 | 3.0 | 25 | 0.702 | 3 |
| Cs-137 | 12.996 | 13.482 | | uCi/filter | 103.7 | 75 - 125 | 1.4 | 25 | 0.287 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00193**Sample Type:** MBL**Lab Sample ID:** ARS1-B23-00193-03**Matrix:** Air Filter**Method:** EPA 901.1M**Analysis Date:** 02/03/23 13:46

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|---------|-----------------|-------------|-------|----------|------|----------------|
| Ac-228 | -2.412E-4 | 0.006 | 0.006 | 0.003 | U | uCi/filter |
| Am-241 | -4.937E-4 | 0.001 | 0.002 | 0.001 | U | uCi/filter |
| Bi-212 | 0.005 | 0.011 | 0.013 | 0.006 | U | uCi/filter |
| Bi-214 | -0.003 | 0.004 | 0.004 | 0.002 | U | uCi/filter |
| Co-60 | 8.206E-4 | 0.001 | 0.001 | 6.900E-4 | U | uCi/filter |
| Cs-137 | 4.794E-4 | 0.001 | 0.001 | 7.150E-4 | U | uCi/filter |
| Eu-152 | -6.118E-4 | 0.001 | 0.002 | 8.800E-4 | U | uCi/filter |
| K-40 | -0.018 | 0.025 | 0.024 | 0.012 | U | uCi/filter |
| Pa-234 | 7.879E-4 | 0.002 | 0.002 | 0.001 | U | uCi/filter |
| Pb-210 | -0.004 | 0.016 | 0.017 | 0.009 | U | uCi/filter |
| Pb-212 | -0.002 | 0.002 | 0.002 | 0.001 | U | uCi/filter |
| Pb-214 | -0.001 | 0.003 | 0.003 | 0.002 | U | uCi/filter |
| Ra-226 | 0.073 | 0.014 | 0.017 | 0.008 | | uCi/filter |
| Ra-228 | -2.412E-4 | 0.006 | 0.006 | 0.003 | U | uCi/filter |
| Th-234 | 0.004 | 0.016 | 0.019 | 0.010 | U | uCi/filter |
| Tl-208 | -0.001 | 0.002 | 0.002 | 8.650E-4 | U | uCi/filter |
| U-235 | -0.008 | 0.009 | 0.007 | 0.003 | U | uCi/filter |
| U-238 | 0.004 | 0.016 | 0.019 | 0.010 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00221

Analytical Batch: ARS1-B23-00193

Analysis: Gamma Spec (Short) in (Air Filters, Smears [AF])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|------------|-------------|
| ARS1-B23-00193-01 | | Lab Control Sample | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00193-02 | | Lab Control Sample Duplicate | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00193-03 | | Method Blank | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00193-04 | ARS1-23-00221-001 | FBC-012323 | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00193-05 | ARS1-23-00221-002 | MSC01-012323 | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00193-06 | ARS1-23-00221-003 | MSC02-012323 | Air Filter | EPA 901.1M | N/A |
| ARS1-B23-00193-07 | ARS1-23-00221-004 | MSC01-012323D | Air Filter | EPA 901.1M | N/A |



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QC Sample Results

Analytical Batch: ARS1-B23-00242

Lab Sample ID: ARS1-B23-00242-01

Method: Eichrom ACW03

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/17/23 1:03

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|------------|-------------|-----------------|------|----------------|-------|--------------|
| Pu-239/240 | 7.747E-6 | 7.754E-6 | | uCi/filter | 100.1 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00242

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00242-02

Matrix: Air Filter

Method: Eichrom ACW03

Analysis Date: 02/17/23 1:03

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|------------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| Pu-239/240 | 7.719E-6 | 7.889E-6 | | uCi/filter | 102.2 | 75 - 125 | 1.7 | 25 | 0.190 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00242

Sample Type: MBL

Lab Sample ID: ARS1-B23-00242-03

Matrix: Air Filter

Method: Eichrom ACW03

Analysis Date: 02/17/23 1:03

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|------------|-----------------|-------------|----------|----------|------|----------------|
| Pu-238 | -1.058E-8 | 9.501E-8 | 1.919E-7 | 8.161E-8 | U | uCi/filter |
| Pu-239/240 | -9.519E-8 | 1.001E-7 | 2.255E-7 | 9.842E-8 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00221

Analytical Batch: ARS1-B23-00242

Analysis: Plutonium (239, 240Pu) in (Air Filters, Smears, Leak Test [AF, SM, LT])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|---------------|-------------|
| ARS1-B23-00242-01 | | Lab Control Sample | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00242-02 | | Lab Control Sample Duplicate | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00242-03 | | Method Blank | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00242-04 | ARS1-23-00221-001 | FBC-012323 | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00242-05 | ARS1-23-00221-002 | MSC01-012323 | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00242-06 | ARS1-23-00221-003 | MSC02-012323 | Air Filter | Eichrom ACW03 | N/A |
| ARS1-B23-00242-07 | ARS1-23-00221-004 | MSC01-012323D | Air Filter | Eichrom ACW03 | N/A |



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QC Sample Results

Analytical Batch: ARS1-B23-00243

Lab Sample ID: ARS1-B23-00243-01

Method: Eichrom SRW01

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/21/23 11:10

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|---------|-------------|-----------------|------|----------------|-------|--------------|
| SR-90 | 2.035E-5 | 2.211E-5 | | uCi/filter | 108.7 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00243

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00243-02

Matrix: Air Filter

Method: Eichrom SRW01

Analysis Date: 02/21/23 11:10

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|---------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| SR-90 | 2.015E-5 | 2.162E-5 | | uCi/filter | 107.3 | 75 - 125 | 2.3 | 25 | 0.204 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00243

Sample Type: MBL

Lab Sample ID: ARS1-B23-00243-03

Matrix: Air Filter

Method: Eichrom SRW01

Analysis Date: 02/21/23 11:10

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|---------|-----------------|-------------|----------|----------|------|----------------|
| SR-90 | 7.026E-7 | 2.273E-6 | 4.008E-6 | 1.847E-6 | U | uCi/filter |



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QC Association Summary

ARS Sample Delivery Group: ARS1-23-00221

Analytical Batch: ARS1-B23-00243

Analysis: Strontium-90 in (Air Filters, Smears [AF])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|---------------|-------------|
| ARS1-B23-00243-01 | | Lab Control Sample | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00243-02 | | Lab Control Sample Duplicate | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00243-03 | | Method Blank | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00243-04 | ARS1-23-00221-001 | FBC-012323 | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00243-05 | ARS1-23-00221-002 | MSC01-012323 | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00243-06 | ARS1-23-00221-003 | MSC02-012323 | Air Filter | Eichrom SRW01 | N/A |
| ARS1-B23-00243-07 | ARS1-23-00221-004 | MSC01-012323D | Air Filter | Eichrom SRW01 | N/A |



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QC Sample Results

Analytical Batch: ARS1-B23-00291

Lab Sample ID: ARS1-B23-00291-01

Method: Eichrom ACW10

Sample Type: LCS

Matrix: Air Filter

Analysis Date: 02/24/23 2:55

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits |
|---------|-------------|-----------------|------|----------------|-------|--------------|
| Th-230 | 5.232E-6 | 5.886E-6 | | uCi/filter | 112.5 | 75 - 125 |



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QC Sample Results

Analytical Batch: ARS1-B23-00291

Sample Type: LCSD

Lab Sample ID: ARS1-B23-00291-02

Matrix: Air Filter

Method: Eichrom ACW10

Analysis Date: 02/24/23 2:55

| Analyte | Spike Added | Analysis Result | Qual | Analysis Units | % Rec | % Rec Limits | RPD | RPD Limit | DER | DER Limit |
|---------|-------------|-----------------|------|----------------|-------|--------------|-----|-----------|-------|-----------|
| Th-230 | 5.237E-6 | 5.649E-6 | | uCi/filter | 107.9 | 75 - 125 | 4.1 | 25 | 0.448 | 3 |



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QC Sample Results

Analytical Batch: ARS1-B23-00291

Sample Type: MBL

Lab Sample ID: ARS1-B23-00291-03

Matrix: Air Filter

Method: Eichrom ACW10

Analysis Date: 02/24/23 2:55

| Analyte | Analysis Result | CSU +/- 2 s | MDA | DLC | Qual | Analysis Units |
|---------|-----------------|-------------|----------|----------|------|----------------|
| Th-228 | -5.561E-8 | 6.425E-8 | 1.441E-7 | 6.263E-8 | U | uCi/filter |
| Th-230 | 4.829E-8 | 7.551E-8 | 1.299E-7 | 5.559E-8 | U | uCi/filter |
| Th-232 | 9.639E-8 | 5.842E-8 | 6.396E-8 | 2.265E-8 | | uCi/filter |



2609 North River Road • Port Allen, Louisiana 70767

(225) 228-1394

QC Association Summary

ARS Sample Delivery Group: ARS1-23-00221

Analytical Batch: ARS1-B23-00291

Analysis: Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT])

| Batch Sample ID | Lab Sample ID | Client Sample ID | Matrix | Method | Prep Method |
|-------------------|-------------------|------------------------------|------------|---------------|-------------|
| ARS1-B23-00291-01 | | Lab Control Sample | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00291-02 | | Lab Control Sample Duplicate | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00291-03 | | Method Blank | Air Filter | Eichrom ACW10 | N/A |
| ARS1-B23-00291-04 | ARS1-23-00221-004 | MSC01-012323D | Air Filter | Eichrom ACW10 | N/A |



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ARS Aleut Analytical, LLC

Analytical Reports

for

GES-AIS, LLC

Batch QC



QC Results per Analytical Batch

| | |
|------------------|--|
| Analytical Batch | ARS1-B23-00227 |
| SDG | ARS1-23-00221 |
| Analysis | Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT]) |
| Method | Eichrom ACW10 |
| Analysis Code | ASP-TH-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/11/23 02:16 | Analysis Technician | ██████████ | |
|---------------------------|------------|---------|---------------|----------------|---------------------|-------------|----------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00227-01 | LCS | TH-230 | 6.085E-6 | 7.789E-7 | 5.222E-6 | 116.5 | 1.020E-7 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/11/23 02:16 | Analysis Technician | ██████████ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|------------|--|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| TH-230 | 6.085E-6 | 7.789E-7 | 5.967E-6 | 9.571E-7 | 0.187 | 2.0 | |

| Method Blank | | | Analysis Date | 02/11/23 02:16 | Analysis Technician | ██████████ | |
|--------------------------|------------|---------|---------------|----------------|---------------------|------------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00227-03 | MBL | TH-228 | 1.130E-7 | 1.009E-7 | 1.572E-7 | U | |
| ARS1-B23-00227-03 | MBL | TH-230 | 4.408E-7 | 1.444E-7 | 1.336E-7 | | |
| ARS1-B23-00227-03 | MBL | TH-232 | -1.600E-8 | 2.226E-8 | 7.431E-8 | U | |



QC Results per Analytical Batch

| Analytical Batch | ARS1-B23-00193 |
|------------------|--|
| SDG | ARS1-23-00221 |
| Analysis | Gamma Spec (Short) in (Air Filters, Smears [AF]) |
| Method | EPA 901.1M |
| Analysis Code | GAM-A-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/03/23 07:34 | Analysis Technician | █ | |
|---------------------------|---------|---------|---------------|----------------|---------------------|-------------|-------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00193-01 | LCS | AM-241 | 31.184 | 2.373 | 33.065 | 94.3 | 0.119 |
| ARS1-B23-00193-01 | LCS | CO-60 | 21.279 | 1.247 | 20.928 | 101.7 | 0.356 |
| ARS1-B23-00193-01 | LCS | CS-137 | 13.301 | 0.868 | 12.996 | 102.3 | 0.059 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/03/23 07:46 | Analysis Technician | █ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|-----|--|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| AM-241 | 31.184 | 2.373 | 31.634 | 2.406 | 0.261 | 1.4 | |
| CO-60 | 21.279 | 1.247 | 20.655 | 1.215 | 0.702 | 3.0 | |
| CS-137 | 13.301 | 0.868 | 13.482 | 0.879 | 0.287 | 1.4 | |

| Method Blank | | | Analysis Date | 02/03/23 13:46 | Analysis Technician | █ | |
|--------------------------|---------|---------|---------------|----------------|---------------------|------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00193-03 | MBL | AC-228 | -2.412E-4 | 0.006 | 0.006 | U | |
| ARS1-B23-00193-03 | MBL | AM-241 | -4.937E-4 | 0.001 | 0.002 | U | |
| ARS1-B23-00193-03 | MBL | BI-212 | 0.005 | 0.011 | 0.013 | U | |
| ARS1-B23-00193-03 | MBL | BI-214 | -0.003 | 0.004 | 0.004 | U | |
| ARS1-B23-00193-03 | MBL | CO-60 | 8.206E-4 | 0.001 | 0.001 | U | |
| ARS1-B23-00193-03 | MBL | CS-137 | 4.794E-4 | 0.001 | 0.001 | U | |
| ARS1-B23-00193-03 | MBL | EU-152 | -6.118E-4 | 0.001 | 0.002 | U | |
| ARS1-B23-00193-03 | MBL | K-40 | -0.018 | 0.025 | 0.024 | U | |
| ARS1-B23-00193-03 | MBL | PA-234 | 7.879E-4 | 0.002 | 0.002 | U | |
| ARS1-B23-00193-03 | MBL | PB-210 | -0.004 | 0.016 | 0.017 | U | |
| ARS1-B23-00193-03 | MBL | PB-212 | -0.002 | 0.002 | 0.002 | U | |
| ARS1-B23-00193-03 | MBL | PB-214 | -0.001 | 0.003 | 0.003 | U | |
| ARS1-B23-00193-03 | MBL | RA-226 | 0.073 | 0.014 | 0.017 | | |
| ARS1-B23-00193-03 | MBL | RA-228 | -2.412E-4 | 0.006 | 0.006 | U | |
| ARS1-B23-00193-03 | MBL | TH-234 | 0.004 | 0.016 | 0.019 | U | |
| ARS1-B23-00193-03 | MBL | TL-208 | -0.001 | 0.002 | 0.002 | U | |
| ARS1-B23-00193-03 | MBL | U-235 | -0.008 | 0.009 | 0.007 | U | |
| ARS1-B23-00193-03 | MBL | U-238 | 0.004 | 0.016 | 0.019 | U | |



QC Results per Analytical Batch

| | |
|-------------------------|--|
| Analytical Batch | ARS1-B23-00242 |
| SDG | ARS1-23-00221 |
| Analysis | Plutonium (239, 240Pu) in (Air Filters, Smears, Leak Test [AF, SM, LT]) |
| Method | Eichrom ACW03 |
| Analysis Code | ASP-PU239-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/17/23 01:03 | Analysis Technician | ██████████ | |
|---------------------------|---------|------------|---------------|----------------|---------------------|-------------|----------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00242-01 | LCS | PU-239/240 | 7.754E-6 | 9.803E-7 | 7.747E-6 | 100.1 | 1.117E-7 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/17/23 01:03 | Analysis Technician | ██████████ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|------------|--|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| PU-239/240 | 7.754E-6 | 9.803E-7 | 7.889E-6 | 9.923E-7 | 0.190 | 1.7 | |

| Method Blank | | | Analysis Date | 02/17/23 01:03 | Analysis Technician | ██████████ | |
|--------------------------|---------|------------|---------------|----------------|---------------------|------------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00242-03 | MBL | PU-238 | -1.058E-8 | 9.501E-8 | 1.919E-7 | U | |
| ARS1-B23-00242-03 | MBL | PU-239/240 | -9.519E-8 | 1.001E-7 | 2.255E-7 | U | |



QC Results per Analytical Batch

| | |
|------------------|--|
| Analytical Batch | ARS1-B23-00243 |
| SDG | ARS1-23-00221 |
| Analysis | Strontium-90 in (Air Filters, Smears [AF]) |
| Method | Eichrom SRW01 |
| Analysis Code | GPC-SR90-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/21/23 11:10 | Analysis Technician | ██████████ | |
|---------------------------|---------|---------|---------------|----------------|---------------------|-------------|----------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00243-01 | LCS | SR-90 | 2.211E-5 | 3.388E-6 | 2.035E-5 | 108.7 | 4.200E-7 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/21/23 11:10 | Analysis Technician | ██████████ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|------------|-----|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| SR-90 | | 2.211E-5 | 3.388E-6 | 2.162E-5 | 3.301E-6 | 0.204 | 2.3 |

| Method Blank | | | Analysis Date | 02/21/23 11:10 | Analysis Technician | ██████████ | |
|--------------------------|---------|---------|---------------|----------------|---------------------|------------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00243-03 | MBL | SR-90 | 7.026E-7 | 2.273E-6 | 4.008E-6 | U | |



QC Results per Analytical Batch

| | |
|------------------|--|
| Analytical Batch | ARS1-B23-00291 |
| SDG | ARS1-23-00221 |
| Analysis | Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT]) |
| Method | Eichrom ACW10 |
| Analysis Code | ASP-TH-AF |
| Report Units | uCi/filter |

Acceptable QC Performance Ranges

| QC Sample Type | Performance Items and Ranges | | |
|---------------------------|--------------------------------------|------|-------|
| Laboratory Control Sample | Recovery (%): | > 75 | < 125 |
| Matrix Spike | Recovery (%): | > 60 | < 140 |
| Duplicate | Duplicate Error Ratio (DER): | < 3 | |
| | Relative Percent Difference (RPD %): | ≤ 25 | |

| Laboratory Control Sample | | | Analysis Date | 02/24/23 02:55 | Analysis Technician | ██████████ | |
|---------------------------|------------|---------|---------------|----------------|---------------------|-------------|----------|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | Expected Value | LCS Rec (%) | MDA |
| ARS1-B23-00291-01 | LCS | TH-230 | 5.886E-6 | 7.486E-7 | 5.232E-6 | 112.5 | 4.472E-8 |

| Duplicate RER/DER/RPD | | | Analysis Date | 02/24/23 02:55 | Analysis Technician | ██████████ | |
|-----------------------|-------------|--------------|---------------|----------------|---------------------|------------|--|
| Analyte | Results LCS | CSU LCS (2s) | Results LCSD | CSU LCSD (2s) | DER | RPD | |
| TH-230 | 5.886E-6 | 7.486E-7 | 5.649E-6 | 7.179E-7 | 0.448 | 4.1 | |

| Method Blank | | | Analysis Date | 02/24/23 02:55 | Analysis Technician | ██████████ | |
|--------------------------|------------|---------|---------------|----------------|---------------------|------------|--|
| Analysis Batch Sample ID | QC Type | Analyte | Results | CSU (2s) | MDA | Qual | |
| ARS1-B23-00291-03 | MBL | TH-228 | -5.561E-8 | 6.425E-8 | 1.441E-7 | U | |
| ARS1-B23-00291-03 | MBL | TH-230 | 4.829E-8 | 7.551E-8 | 1.299E-7 | U | |
| ARS1-B23-00291-03 | MBL | TH-232 | 9.639E-8 | 5.842E-8 | 6.396E-8 | | |



2609 North River Road • Port Allen, Louisiana 70767

(225) 228-1394

ARS Aleut Analytical, LLC

Analytical Reports

for

GES-AIS, LLC

Sample Management Records

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 013123RADC



| | | |
|--|---|------------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: ARS Aleut Analytical (AAA), Port Allen, LA | Event: Parcel C Air Monitoring RAD |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 2609 North River Road, Port Allen, LA 70767-3469 | |

| Comments: | <table border="1"> <tr> <td>Code</td> <td>Matrix</td> </tr> <tr> <td>A</td> <td>Air</td> </tr> <tr> <td>AQ</td> <td>Air Quality Control Matrix</td> </tr> <tr> <td>Code</td> <td>Container/Preservative</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5</td> <td>1x 1-L Plastic, HNO3, pH < 2</td> </tr> <tr> <td>15</td> <td>1x 250-mL Plastic, 4 Degrees C</td> </tr> </table> | Code | Matrix | A | Air | AQ | Air Quality Control Matrix | Code | Container/Preservative | | | 5 | 1x 1-L Plastic, HNO3, pH < 2 | 15 | 1x 250-mL Plastic, 4 Degrees C | Page 1 of 2 | | |
|------------------------------------|--|------------|--------|------------|---------|----|----------------------------|------|------------------------|--|--|---|------------------------------|-------------|--------------------------------|-------------|--------|----------|
| Code | | Matrix | | | | | | | | | | | | | | | | |
| A | Air | | | | | | | | | | | | | | | | | |
| AQ | Air Quality Control Matrix | | | | | | | | | | | | | | | | | |
| Code | Container/Preservative | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 5 | 1x 1-L Plastic, HNO3, pH < 2 | | | | | | | | | | | | | | | | | |
| 15 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring RAD | | 15 15 15 5 | | | | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| 1 FBC-012323 | AQ | 01/23/2023 | 0800 | [REDACTED] | X X X X | | | | | | | | FIELDQC | FB2 | 0.00 | 0.00 | 1 | |
| 2 MSC01-012323 | A | 01/25/2023 | 1338 | [REDACTED] | X X X X | | | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 MSC02-012323 | A | 01/25/2023 | 1343 | [REDACTED] | X X X X | | | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| Turnaround Time: 28 days | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/31/23 | 1400 | Fedex | 1/31/23 | 1400 | Shipping Date: 1/31/2023 / FEDEX / 7710 7748 6823 |
| | | | [REDACTED] | 2/2/23 | 1245 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | |
| | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 013123RADC



| | | |
|--|---|------------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: ARS Aleut Analytical (AAA), Port Allen, LA | Event: Parcel C Air Monitoring RAD |
| Project Number: J310000600 | POC: [REDACTED] | RAD |
| WBS Code: J310000600 | Ship to: 2609 North River Road, Port Allen, LA 70767-3469 | |

| Comments: | | Analytical Test Method | A01RM - Th232 E901.1 - Gamma Spec Air RC0240 - Pu and Th Isotopes SR02RC - Sr90 | Code Matrix A Air AQ Air Quality Control Matrix | Page 2 of 2 | | | | | | |
|------------------------------------|--------|------------------------|--|---|-------------|---|-------------|----------------|------|--------|----------|
| Equipment: | | | | | | | | | | | |
| Event: Parcel C Air Monitoring RAD | | 15 | 15 | 15 | 5 | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Location ID | | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| 1 | / | | | / | | | N1 | 0.00 | 0.00 | / | |
| 2 | A | 01/25/2023 | 1338 | [REDACTED] | X | X | X | X | | | MSC01 |
| 3 | / | | | / | | | | | | | |
| Turnaround Time: 28 days | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|--|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/31/23 | 1400 | FedEx | 1/31/23 | 1400 | Shipping Date: 1/31/2023 / FEDEX / 7710 7748 6823 |
| Received by Laboratory: (Signature, Date, Time) & condition | | | | | | |
| | | | | | | |



HPNS Parcel C J310000600

Procedures: GES-003 / EPA 900.0M
Start Date: 1/23/23
Stop Date: 1/25/23

File ID Number: MC013123RADC

Field Entry

| Station | Sample ID | Date In: | Time In: | Date Out: | Time Out: | Initial Flow Rate (LPM) | Final Flow Rate (LPM) | Julian Date for Run Out | Total Run Time (Hours) | Total Run Time (Minutes) | Average Flow Rate (LPM) | Initial Flow Rate (CFM) | Final Flow Rate (CFM) | Average Flow Rate (CFM) | Average Flow Rate (Cu.M/mi) | Flow Rate (Cu.M/h) | Total Flow (L) | | |
|---------|------------|---------------|----------|-----------|-----------|-------------------------|-----------------------|-------------------------|------------------------|--------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-----------------------------|--------------------|----------------|------|---------|
| | FBC-012323 | 1/23/2023 | 800 | 1/25/2023 | 800 | | | | | | | | | | | | | | |
| 1 | MSC01 | MSC01-012323 | 01/23/23 | 4:55 | 01/25/23 | 13:38 | 60 | 60 | 204.2 | 25 | 2.36 | 56.72 | 3403.0 | 60 | 2.11888 | 2.11888 | 3.6 | 0.06 | 204,180 |
| 1 | MSC01 | MSC01-012323D | 01/23/23 | 4:55 | 01/25/23 | 13:38 | 60 | 60 | 204.2 | 25 | 2.36 | 56.72 | 3403.0 | 60 | 2.11888 | 2.11888 | 3.6 | 0.06 | 204,180 |
| 2 | MSC02 | MSC02-012323 | 01/23/23 | 7:50 | 01/25/23 | 13:43 | 60 | 60 | 194.0 | 25 | 2.25 | 53.88 | 3233.0 | 60 | 2.11888 | 2.11888 | 3.6 | 0.06 | 193,980 |

FORMULAS:

Number of Days = (Date Out + Time Out) minus (Date In+Time In)

Number of Minutes = # of Days X 24hr X 60min

Flow Rate (m³/h) = Flow Rate (CFM) x 60min x (12in x 2.54cm/in / 100cm/m)³:

Mid-Sample Date/Time = [(Date+Time Out) + (Date+Time In)] / 2

Flow Rate (Cu.M/min) = CFM X 0.0283168466 Cu.M/CF

Flow Rate (LPM) = Cu.M X 1000

Total Flow (L) = LPM X Total Minutes

SDG Report - Samples and Containers

| SDG Specific Data | | | | | | | | | | |
|--|---------------|------------|-------------------|------------------|------------------|--------------|--|--------------|----------|--|
| SDG | ARS1-23-00221 | | TAT Days | 28 Calendar Days | | Project Type | Environmental | | | |
| Sample Count | 4 | Rpt Level | 4 | Date Received | 02/02/2023 | | COC Number | LS013123RADC | | |
| Client | GES-AIS, LLC | | Discrepancy Resol | N/A | | PO Number | LS013123RADC | | | |
| Client Code | 1138 | | Client Deadline | 03/02/2023 | | Job Number | J310000600 | | | |
| Profile Number | PN-01440 | | | | | Job Location | Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | |
| Comment | | | | | | | | | | |
| Samples and Containers Checked In Thus Far | | | | | | | | | | |
| FR | Name | Matrix | Start Date | End Date | Disp | Hold | Arch | Storage | Comments | |
| 001 | FBC-012323 | Air Filter | 01/23/2023 07:59 | 01/23/2023 08:00 | H | 30 | 10 | PrePrep | | |
| | IC_ID | Cnt | Container Type | AF Volume (L) | AF Units | | Rate | Mins | Comments | |
| | 430350 | 1 | HDP Container | 1 | LPM | | | 1 | | |
| | | | Mid-Sample Date: | 01/23/2023 07:59 | AF Volume (CuM): | | 0.001 | | | |
| 002 | MSC01-012323 | Air Filter | 01/25/2023 13:37 | 01/25/2023 13:38 | H | 30 | 10 | PrePrep | | |
| | IC_ID | Cnt | Container Type | AF Volume (L) | AF Units | | Rate | Mins | Comments | |
| | 430351 | 1 | HDP Container | 1 | LPM | | | 1 | | |
| | | | Mid-Sample Date: | 01/25/2023 13:37 | AF Volume (CuM): | | 0.001 | | | |
| 003 | MSC02-012323 | Air Filter | 01/25/2023 13:42 | 01/25/2023 13:43 | H | 30 | 10 | PrePrep | | |
| | IC_ID | Cnt | Container Type | AF Volume (L) | AF Units | | Rate | Mins | Comments | |
| | 430352 | 1 | HDP Container | 1 | LPM | | | 1 | | |
| | | | Mid-Sample Date: | 01/25/2023 13:42 | AF Volume (CuM): | | 0.001 | | | |
| 004 | MSC01-012323D | Air Filter | 01/25/2023 13:37 | 01/25/2023 13:38 | H | 30 | 10 | PrePrep | | |
| | IC_ID | Cnt | Container Type | AF Volume (L) | AF Units | | Rate | Mins | Comments | |
| | 430353 | 1 | HDP Container | 1 | LPM | | | 1 | | |
| | | | Mid-Sample Date: | 01/25/2023 13:37 | AF Volume (CuM): | | 0.001 | | | |

SDG Report - Analysis Assignments

| | | | |
|---------------|----------------------|-----------------------|-------------|
| SDG | ARS1-23-00221 | Sample Count | 4 |
| Client | GES-AIS, LLC | Analysis Count | 4-17 |

| Sample Count Totals Per Analysis | | | |
|----------------------------------|---|--------|---------------|
| Analysis Code | Analysis Description | In/Out | Samples Count |
| ASP-PU239-AF | Plutonium (239, 240Pu) in (Air Filters, Smears, Leak Test [AF, SM, LT]) | I | 4 |
| ASP-TH-AF | Thorium in (Air Filters, Smears, Leak Test [AF, SM, LT]) | I | 5 |
| GAM-A-AF | Gamma Spec (Short) in (Air Filters, Smears [AF]) | I | 4 |
| GPC-SR90-AF | Strontium-90 in (Air Filters, Smears [AF]) | I | 4 |

| Analyses Assigned Per Fraction | | |
|--------------------------------|---------------|--------------|
| Fraction | Analysis Code | X = Assigned |
| 001 | ASP-PU239-AF | X |
| 001 | ASP-TH-AF | X |
| 001 | GAM-A-AF | X |
| 001 | GPC-SR90-AF | X |
| 002 | ASP-PU239-AF | X |
| 002 | ASP-TH-AF | X |
| 002 | GAM-A-AF | X |
| 002 | GPC-SR90-AF | X |
| 003 | ASP-PU239-AF | X |
| 003 | ASP-TH-AF | X |
| 003 | GAM-A-AF | X |
| 003 | GPC-SR90-AF | X |
| 004 | ASP-PU239-AF | X |
| 004 | ASP-TH-AF | X |
| 004 | ASP-TH-AF | X |
| 004 | GAM-A-AF | X |
| 004 | GPC-SR90-AF | X |

Client Name: GES-AIS, LLC

Profile Name: Parcel C Rad Sampling

Report Level: 4

| Analysis Code | Prep Type | Units | Aliquot | Prep Code | Procedure | Count Time | | | | | | | | |
|---------------------|-------------------------|-------|---------|-----------------------|--------------|------------|------------|-------------|-----|-----|------------|--|--|--|
| ASP-PU239-AF | WRAD | uCi | filter | N/A | PALA-RAD-026 | | | | | | | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL | | | |
| ASP-TH-AF | Pu-239/240 (15117-48-3) | | | 4.8E-08 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL | | | |
| GAM-A-AF | Th-232 (7440-29-1) | | | 1.4E-08 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL | | | |
| Ac-228 (14331-83-0) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Am-241 (14596-10-2) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Bi-212 (14913-49-6) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Bi-214 (14733-03-0) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Co-60 (10198-40-0) | | | | 0.00024 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Cs-137 (10045-97-3) | | | | 0.00048 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Eu-152 (14683-23-9) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Eu-154 (15585-10-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| K-40 (13966-00-2) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Pb-210 (14255-04-0) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Pb-212 (15092-94-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Pb-214 (15067-28-4) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Ra-226 (13982-63-3) | | | | 4.4E-06 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Ra-228 (15262-20-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Th-234 (15065-10-8) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| Tl-208 (14913-50-9) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| U-235 (15117-96-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |
| U-238 (7440-61-1) | | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A | | | |

DQO Report for SDG

ARS1-23-00221

| | | | | | | | | | | | |
|-------------|---------------------|-----|--------|-----------------------|--------------|----------|------------|-------------|-----|-----|------------|
| GAM-A-AF | Pa-234 (15100-28-4) | | | uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A |
| GPC-SR90-AF | WRAD | uCi | filter | N/A | PALA-RAD-032 | | | | | | |
| | Analyte | | | RDL | LCS LL/UL | MS LL/UL | RadY LL/UL | GravY LL/UL | RER | RPD | Surr LL/UL |
| | Sr-90 (10098-97-2) | | | 2.4E-05 uCi/filter | 75/125 | 60/140 | 30/110 | 30/110 | 1 | 25 | N/A |

| Analysis Code | Fraction | Units | Aliquot | Conductivity | Analyte Count |
|---------------|----------|-----------------------|---------|--------------|---------------|
| ASP-PU239-AF | 001 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Pu-239/240 |
| ASP-PU239-AF | 002 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Pu-239/240 |
| ASP-PU239-AF | 003 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Pu-239/240 |
| ASP-PU239-AF | 004 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Pu-239/240 |
| ASP-TH-AF | 001 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Th-232 |
| ASP-TH-AF | 002 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Th-232 |
| ASP-TH-AF | 003 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Th-232 |
| ASP-TH-AF | 004 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Th-232 |
| GAM-A-AF | 001 | uCi | filter | N/A | 19 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | | Ac-228 |

DQO Report for SDG

ARS1-23-00221

| GAM-A-AF | 001 | Parcel C Rad Sampling | Am-241 |
|----------|-----|-----------------------|---------|
| | | Parcel C Rad Sampling | Bi-212 |
| | | Parcel C Rad Sampling | Bi-214 |
| | | Parcel C Rad Sampling | Co-60 |
| | | Parcel C Rad Sampling | Cs-137 |
| | | Parcel C Rad Sampling | Eu-152 |
| | | Parcel C Rad Sampling | Eu-154 |
| | | Parcel C Rad Sampling | K-40 |
| | | Parcel C Rad Sampling | Pa-234 |
| | | Parcel C Rad Sampling | Pb-210 |
| | | Parcel C Rad Sampling | Pb-212 |
| | | Parcel C Rad Sampling | Pb-214 |
| | | Parcel C Rad Sampling | Ra-226 |
| | | Parcel C Rad Sampling | Ra-228 |
| | | Parcel C Rad Sampling | Th-234 |
| | | Parcel C Rad Sampling | Tl-208 |
| | | Parcel C Rad Sampling | U-235 |
| | | Parcel C Rad Sampling | U-238 |
| GAM-A-AF | 002 | uCi | filter |
| | | Group | Analyte |
| | | Parcel C Rad Sampling | Ac-228 |
| | | Parcel C Rad Sampling | Am-241 |
| | | Parcel C Rad Sampling | Bi-212 |
| | | Parcel C Rad Sampling | Bi-214 |
| | | Parcel C Rad Sampling | Co-60 |
| | | Parcel C Rad Sampling | Cs-137 |
| | | Parcel C Rad Sampling | Eu-152 |
| | | Parcel C Rad Sampling | Eu-154 |
| | | Parcel C Rad Sampling | K-40 |
| | | Parcel C Rad Sampling | Pa-234 |
| | | Parcel C Rad Sampling | Pb-210 |
| | | Parcel C Rad Sampling | Pb-212 |
| | | Parcel C Rad Sampling | Pb-214 |
| | | Parcel C Rad Sampling | Ra-226 |

DQO Report for SDG

ARS1-23-00221

| GAM-A-AF | 002 | Parcel C Rad Sampling | Ra-228 |
|----------|-----|-----------------------|---------|
| | | Parcel C Rad Sampling | Th-234 |
| | | Parcel C Rad Sampling | Tl-208 |
| | | Parcel C Rad Sampling | U-235 |
| | | Parcel C Rad Sampling | U-238 |
| GAM-A-AF | 003 | uCi | filter |
| | | Group | Analyte |
| | | Parcel C Rad Sampling | Ac-228 |
| | | Parcel C Rad Sampling | Am-241 |
| | | Parcel C Rad Sampling | Bi-212 |
| | | Parcel C Rad Sampling | Bi-214 |
| | | Parcel C Rad Sampling | Co-60 |
| | | Parcel C Rad Sampling | Cs-137 |
| | | Parcel C Rad Sampling | Eu-152 |
| | | Parcel C Rad Sampling | Eu-154 |
| | | Parcel C Rad Sampling | K-40 |
| | | Parcel C Rad Sampling | Pa-234 |
| | | Parcel C Rad Sampling | Pb-210 |
| | | Parcel C Rad Sampling | Pb-212 |
| | | Parcel C Rad Sampling | Pb-214 |
| | | Parcel C Rad Sampling | Ra-226 |
| | | Parcel C Rad Sampling | Ra-228 |
| | | Parcel C Rad Sampling | Th-234 |
| | | Parcel C Rad Sampling | Tl-208 |
| | | Parcel C Rad Sampling | U-235 |
| | | Parcel C Rad Sampling | U-238 |
| GAM-A-AF | 004 | uCi | filter |
| | | Group | Analyte |
| | | Parcel C Rad Sampling | Ac-228 |
| | | Parcel C Rad Sampling | Am-241 |
| | | Parcel C Rad Sampling | Bi-212 |
| | | Parcel C Rad Sampling | Bi-214 |
| | | Parcel C Rad Sampling | Co-60 |
| | | Parcel C Rad Sampling | Cs-137 |

| | | | | | |
|-------------|-----|-----------------------|--------|---------|---|
| GAM-A-AF | 004 | Parcel C Rad Sampling | | Eu-152 | |
| | | Parcel C Rad Sampling | | Eu-154 | |
| | | Parcel C Rad Sampling | | K-40 | |
| | | Parcel C Rad Sampling | | Pa-234 | |
| | | Parcel C Rad Sampling | | Pb-210 | |
| | | Parcel C Rad Sampling | | Pb-212 | |
| | | Parcel C Rad Sampling | | Pb-214 | |
| | | Parcel C Rad Sampling | | Ra-226 | |
| | | Parcel C Rad Sampling | | Ra-228 | |
| | | Parcel C Rad Sampling | | Th-234 | |
| | | Parcel C Rad Sampling | | Tl-208 | |
| | | Parcel C Rad Sampling | | U-235 | |
| | | Parcel C Rad Sampling | | U-238 | |
| GPC-SR90-AF | 001 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| GPC-SR90-AF | 002 | Parcel C Rad Sampling | | Sr-90 | |
| | | uCi | filter | N/A | 1 |
| GPC-SR90-AF | 003 | Group | | Analyte | |
| | | Parcel C Rad Sampling | | Sr-90 | |
| GPC-SR90-AF | 004 | uCi | filter | N/A | 1 |
| | | Group | | Analyte | |
| | | Parcel C Rad Sampling | | Sr-90 | |

PALA Sample Receipt Inspection Form

Client Name: Gilbane
 SDG: ARS1-23-00221

| | | | | |
|--------------------------------------|-----------------------|----------------|---------------------|----------------------------------|
| Sample Custodian | Survey Start Date: | <u>2/2/23</u> | Survey Start Time: | <u>1305</u> |
| Thermometer ID: | Calibration Due Date: | <u>1/12/24</u> | pH Paper Lot# | <u>N/A</u> |
| Exposure Rate Meter + Probe Unit ID: | Calibration Due Date: | <u>9/13/23</u> | Background: | <u>4</u> $\mu\text{R}/\text{hr}$ |
| Count Rate Meter + Probe Unit ID: | Calibration Due Date: | <u>9/29/23</u> | Background: | <u>20</u> cpm |
| Delivery Type (circle one): | Direct | Lock Box | Commercial Carriers | <u>FEDEX</u> |
| | | | | Total # of ESCs: <u>1</u> |

| External Shipping Container Tracking: | | | | | *True temperature is recorded which includes any applicable correction factors. | | | |
|---------------------------------------|---|---------------------------------|---------------------------------|--|---|----|-----------|----|
| | Exposure Rate ($\mu\text{R}/\text{hr}$) (limit <500 $\mu\text{R}/\text{hr}$) | Max External Swipe Counts (cpm) | Max Internal Swipe Counts (cpm) | ESC True Temps* ($^{\circ}\text{C}$) | TRAX Matrix ID (circle all that apply): (See Section 4.3 of SOP) | | | |
| A: <u>771077486823</u> | <u>5</u> | <u>30</u> | <u>30</u> | <u>N/A</u> | AQ | WD | WG | WO |
| B: | | | | | WS | WW | SI | UR |
| C: | | | | | SO | OL | BI | VG |
| D: | | | | | WP | SM | <u>AF</u> | |
| E: | | | | | | | | |
| F: | | | | | | | | |

| | | | |
|---|---|---|---|
| <u>Visual Inspection:</u> <u>External Shipping Container</u> | <i>(Circle response)</i> | <u>COC/Sample Inspection</u> | <i>(Circle response)</i> |
| Good Condition with no Leaks or Tears | <input checked="" type="radio"/> Yes <input type="radio"/> No | Sample Containers in good condition | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Marked Radioactive | <input checked="" type="radio"/> Yes <input type="radio"/> No | No spills or leaks | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| UN2910 | <input checked="" type="radio"/> Yes <input type="radio"/> No | Marked Radioactive | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Security Seals | <input checked="" type="radio"/> Yes <input type="radio"/> No | Durable labels w/indelible ink | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| If yes, intact? | <input checked="" type="radio"/> Yes <input type="radio"/> No | COC relinquished/received correctly | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| <u>Internal Shipping Container</u> | | Adequate volume/filled correctly | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| COC's Present | <input checked="" type="radio"/> Yes <input type="radio"/> No | Hold Time sufficient for analysis | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Well packaged container with no signs of leakage | <input checked="" type="radio"/> Yes <input type="radio"/> No | For VOC/Radon, Head space? | <input checked="" type="radio"/> Yes <input type="radio"/> No <u>N/A</u> |
| | | If yes, <6mm? | <input checked="" type="radio"/> Yes <input type="radio"/> No <u>N/A</u> |
| Comments: | | # of containers received matches # on COC | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| | | Samples received on ice? | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| | | Type (circle one): | <input type="radio"/> Bagged Ice <input type="radio"/> Loose Ice <input type="radio"/> Blue Ice <u>N/A</u> |

ORIGIN ID:JCCA

200 FISHER STREET

SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 19JAN23
ACTWGT: 1.00 LB
CAD: 254128867/INET4580

BILL SENDER

TO [REDACTED]

ARS ALEUT ANALYTICAL, LLC
2609 NORTH RIVER ROAD

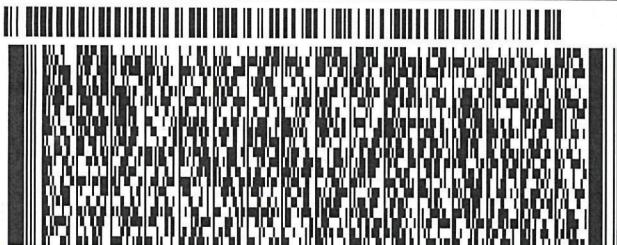
PORT ALLEN LA 70767

(225) 381-2991

INV:
PO:

REF: J31000.600 02.04.05

DEPT:



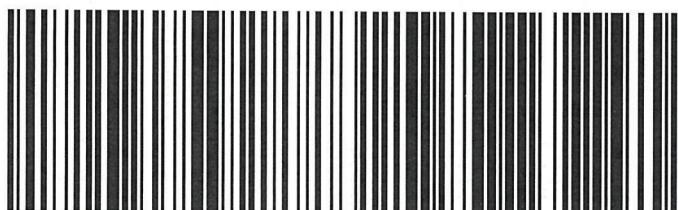
59112/D297/EE2D

TRK#
0201 7710 7748 6823

FRI - 20 JAN 4:30P
STANDARD OVERNIGHT

70767
LA-US MSY

XN OPLA



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
 2. Fold the printed page along the horizontal line.
 3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.
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HPNS Parcel C J310000600

Procedures: GES-003 / EPA 900.0M

Start Date: 1/23/23
Stop Date: 1/25/23

File ID Number: MC013123RADC

Field Entry

| Station | Sample ID | Date In: | Time In: | Date Out: | Time Out: | Initial Flow Rate (LPM) | Final Flow Rate (LPM) | Julian Date for Date Out | Total Run Time (Days) | Total Run Time (Hours) | Total Run Time (Minutes) | Average Flow (LPM) | Averag | | | | | | |
|---------|-----------|---------------|-----------|-----------|-----------|-------------------------|-----------------------|--------------------------|-----------------------|------------------------|--------------------------|--------------------|-----------------|-------------------------|-----------------------|----------------------------|----------------|------|---------|
| | | | | | | | | | | | | | Flow Rate (CFM) | Initial Flow Rate (CFM) | Final Flow Rate (CFM) | Average Flow Rate (Cu.M/h) | Total Flow (L) | | |
| 1 | MSC01 | FBC-012323 | 1/23/2023 | 800 | 1/25/2023 | 800 | | | | | | | | | | | | | |
| 1 | MSC01 | MSC01-012323 | 01/23/23 | 4:55 | 01/25/23 | 13:38 | 60 | 60 | 204.2 | 25 | 2.36 | 56.72 | 3403.0 | 60 | 2.11888 | 2.11888 | 3.6 | 0.06 | 204,180 |
| 1 | MSC01 | MSC01-012323D | 01/23/23 | 4:55 | 01/25/23 | 13:38 | 60 | 60 | 204.2 | 25 | 2.36 | 56.72 | 3403.0 | 60 | 2.11888 | 2.11888 | 3.6 | 0.06 | 204,180 |
| 2 | MSC02 | MSC02-012323 | 01/23/23 | 7:59 | 01/25/23 | 13:43 | 60 | 60 | 194.0 | 25 | 2.25 | 53.88 | 3233.0 | 60 | 2.11888 | 2.11888 | 3.6 | 0.06 | 193,980 |

FORMULAS:

Number of Days = (Date Out + Time Out) minus (Date In+Time In)

Number of Minutes = # of Days X 24hr X 60min

Flow Rate (m³/h) = Flow Rate (CFM) x 60min x (12in x 2.54cm/in / 100cm/m)³ :

Mid-Sample Date/Time = [(Date+Time Out) + (Date+Time In)]/2

Flow Rate (Cu.M/min) = CFM X 0.0283168466 Cu.M/CF

Flow Rate (LPM) = Cu.M X 1000

Total Flow (L) = LPM X Total Minutes

January 31, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B025026

Client Project ID: J310000600 PARCEL C AIR MONITR

Received: January 25, 2023

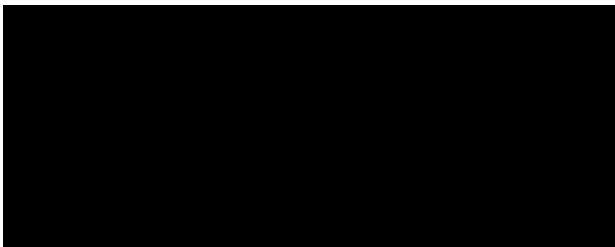
Reported: January 31, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.



Technical Director

Enclosures

Final Report

Work Order B025026

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 01/25/23

PO Number J310000600

Client Project ID J310000600 PARCEL C AIR MONTR

| | | | | | | | | | |
|---------|------------|------------|-------------|---------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026001 | Sample ID: | PM113022-15 | Method: | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/17/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 01/26/23 | 0 L | 1000 ug | | | < 1000 ug | -- |
| Lead | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 0 L | 14 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 0 L | 98 ug | | | < 98 ug | -- |

| | | | | | | | | | |
|---------|------------|------------|--------------|---------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026002 | Sample ID: | TSP113022-16 | Method: | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/17/2023 8:00:00 AM |
|---------|------------|------------|--------------|---------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 01/26/23 | 0 L | 1000 ug | | | < 1000 ug | -- |

| | | | | | | | | | |
|---------|------------|------------|-------------|---------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026003 | Sample ID: | PM113022-17 | Method: | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/18/2023 7:51:00 AM |
|---------|------------|------------|-------------|---------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 01/26/23 | 1522600 L | 1000 ug | | | 15000 ug | 10 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1522600 L | 14 ug | | | < 14 ug | < 0.0092 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1522600 L | 98 ug | | | < 98 ug | < 0.0644 ug/M3 |

Final Report

Work Order B025026

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026004 | Sample ID: | TSP113022-18 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/18/2023 7:51:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 01/26/23 | 1552940 L | 1000 ug | | | 25400 ug | 16 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026005 | Sample ID: | PM113022-19 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/18/2023 7:53:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 01/26/23 | 1572100 L | 1000 ug | | | 22700 ug | 14 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1572100 L | 14 ug | | | < 14 ug | < 0.0089 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1572100 L | 98 ug | | | < 98 ug | < 0.0623 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026006 | Sample ID: | TSP113022-20 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/18/2023 7:53:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 01/26/23 | 1672750 L | 1000 ug | | | 162000 ug | 97 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026007 | Sample ID: | PM113022-21 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 7:42:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 01/26/23 | 1639480 L | 1000 ug | | | 10500 ug | 6 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1639480 L | 14 ug | | | < 14 ug | < 0.0085 ug/M3 |

Final Report

Work Order B025026

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026007 | Sample ID: | PM113022-21 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 7:42:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Manganese | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1639480 L | 98 ug | | | < 98 ug | < 0.0598 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026008 | Sample ID: | TSP113022-22 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 7:42:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 01/26/23 | 1580940 L | 1000 ug | | | 12900 ug | 8 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026009 | Sample ID: | PM113022-23 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 7:52:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 01/26/23 | 1644100 L | 1000 ug | | | 20100 ug | 12 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1644100 L | 14 ug | | | < 14 ug | < 0.0085 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 1644100 L | 98 ug | | | < 98 ug | < 0.0596 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026010 | Sample ID: | TSP113022-24 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 7:52:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 01/26/23 | 1744240 L | 1000 ug | | | 130000 ug | 75 ug/M3 |

Final Report

Work Order B025026

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026011 | Sample ID: | PM113022-25 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:35:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|----------|-----------------|-------|------|-----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 01/26/23 | 400350 L | 1000 ug | | | 151000 ug | 378 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 400350 L | 14 ug | | | < 14 ug | < 0.035 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 400350 L | 98 ug | | | < 98 ug | < 0.2448 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026012 | Sample ID: | TSP113022-26 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:35:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 01/26/23 | 397820 L | 1000 ug | | | 1300 ug | 3 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026013 | Sample ID: | PM113022-27 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:14:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|----------|-----------------|-------|------|-----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 01/26/23 | 364820 L | 1000 ug | | | < 1000 ug | < 3 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 364820 L | 14 ug | | | < 14 ug | < 0.0384 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 01/30/23 | 364820 L | 98 ug | | | < 98 ug | < 0.2686 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026014 | Sample ID: | TSP113022-28 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:14:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order **B025026**

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B025026014 | Sample ID: | TSP113022-28 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:14:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|----------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 01/26/23 | 386630 L | 1000 ug | | | < 1000 ug | < 3 ug/M3 |

Final Report

Work Order B025026

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # █ 012423AIRC



012423AIRC
B025026

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: █ | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | |
|--------------------------------|--------|--------------------------------|-------------|------------|-------------|-------------|----------------|--------|----------|
| Comments: | Code | Matrix | Page 1 of 4 | | | | | | |
| | AQ | Air Quality Control Matrix | | | | | | | |
| | Code | Container/Preservative | | | | | | | |
| | 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | |
| Equipment: | 1 | 1x Envelope, None | | | | | | | |
| Event: Parcel C Air Monitoring | 1 | 1 | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| 1 PM113022-15 | AQ | 01/17/2023 | 0800 | X | FIELDQC | FB1 | 0.00 | 0.00 | 1 |
| 2 TSP113022-16 | AQ | 01/17/2023 | 0800 | X | FIELDQC | FB1 | 0.00 | 0.00 | 1 |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | |

| | | | | | | |
|------------------------------|---------|------|--------------------------|---------|---------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| ██████████ | 1/24/23 | 1400 | For, ✓ | 1/24/23 | 1400 | Shipping Date: 1/24/2023 / FEDEX 7708 6651-2763 |
| | | | ██████████ | 1/25/23 | 10:23am | Fedex: 7708 9971 6516 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 1/25/23 10:23 am Intact |
| | | | | | | Custody Seal Intact - ██████████ |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 012423AIRC



| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | | | | | | | | Event: Parcel C Air Monitoring | | | | | | | | | | | |
|--|--------------------------------|--------|------------|--|------------|---|---|--|--|--|--|--------------------------------|-------------|-------------|--------------------------------|-----------------------------|----------|---|--------------------------------|---|-------------------|-------------|--|
| Project Number: J310000600 | | | | POC: [REDACTED] | | | | | | | | | | | | | | | | | | | |
| WBS Code: J310000600 | | | | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | | | | | | | | | | | | | | | | | | | |
| Comments: | | | | <table border="1"> <tr> <td>Code</td> <td>Matrix</td> </tr> <tr> <td>A</td> <td>Air</td> </tr> <tr> <td colspan="2">Code Container/Preservative</td> </tr> <tr> <td>1</td> <td>1x 250-mL Plastic, 4 Degrees C</td> </tr> <tr> <td>1</td> <td>1x Envelope, None</td> </tr> </table> | | | | | | | | Code | Matrix | A | Air | Code Container/Preservative | | 1 | 1x 250-mL Plastic, 4 Degrees C | 1 | 1x Envelope, None | Page 2 of 4 | |
| Code | Matrix | | | | | | | | | | | | | | | | | | | | | | |
| A | Air | | | | | | | | | | | | | | | | | | | | | | |
| Code Container/Preservative | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | X | X | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments | | | | | | |
| 1 | PM113022-17 | A | 01/18/2023 | 0751 | [REDACTED] | X | X | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| 2 | TSP113022-18 | A | 01/18/2023 | 0751 | [REDACTED] | | X | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| 3 | PM113022-19 | A | 01/18/2023 | 0753 | [REDACTED] | X | X | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| 4 | TSP113022-20 | A | 01/18/2023 | 0753 | [REDACTED] | | X | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|------------------------------|---------|------|--------------------------|---------|---------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 1/24/23 | 1400 | FedEx | 1/24/23 | 1400 | Shipping Date: 1/24/2023 / FEDEX/ 770866512763 |
| | | | [REDACTED] | 1/25/23 | 10:25am | FedEx: 7708 9971 6516 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 1/25/23 10:25am Intact |
| | | | | | | Custody Seal Intact - [REDACTED] |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 012423AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

Comments:

| Code | Matrix |
|------|--------------------------------|
| A | Air |
| Code | Container/Preservative |
| 1 | 1x 250-mL Plastic, 4 Degrees C |
| 1 | 1x Envelope, None |

Page 3 of 4

Equipment:

Event: Parcel C Air Monitoring

| | Sample ID | Matrix | Date | Time | Samp Init. | Analytical Test Method | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
|---|--------------|--------|------------|------|------------|------------------------|-------------|-------------|----------------|--------|--------|----------|
| | | | | | | | | | Top - Bottom | Bottom | | |
| 1 | PM113022-21 | A | 01/19/2023 | 0742 | [REDACTED] | CAAIR - Air PM10 | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 | TSP113022-22 | A | 01/19/2023 | 0742 | [REDACTED] | N0500 - Air TSP | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 | PM113022-23 | A | 01/19/2023 | 0752 | [REDACTED] | SW6010 - Air Pb Mn | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 | TSP113022-24 | A | 01/19/2023 | 0752 | [REDACTED] | X | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 5 | | | | | | | | | | | | |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|--|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/24/23 | 1400 | [REDACTED] | 1/24/23 | 1400 | Shipping Date: 1/24/2023 / FEDEX / 7708 9971 6516 |
| <i>Relinquished by: (Signature)</i> | | | | | | |
| <i>Received by: (Signature)</i> | | | | | | |
| <i>Shipping Date / Carrier / Airbill Number</i> | | | | | | |
| <i>Received by Laboratory: (Signature, Date, Time) & condition</i> | | | | | | |
| <i>1/25/23 10:27am Intact</i> | | | | | | |
| <i>Custody Seal Intact - [REDACTED]</i> | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 012423AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | Code | Matrix | Page 4 of 4 | | | | | | |
|--------------------------------|--------|--------------------------------|-------------|------------|-------------|-------------|----------------|--------|----------|
| | A | Air | | | | | | | |
| Equipment: | Code | Container/Preservative | | | | | | | |
| | 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | |
| | 1 | 1x Envelope, None | | | | | | | |
| Event: Parcel C Air Monitoring | 1 | 1 | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| 1 PM113022-25 | A | 01/19/2023 | 1200 335 | X X | MSC01 | N1 | 0.00 | 0.00 | 1 |
| 2 TSP113022-26 | A | 01/19/2023 | 1200 335 | X | MSC01 | N1 | 0.00 | 0.00 | 1 |
| 3 PM113022-27 | A | 01/19/2023 | 1200 314 | X X | MSC02 | N1 | 0.00 | 0.00 | 1 |
| 4 TSP113022-28 | A | 01/19/2023 | 1200 314 | X | MSC02 | N1 | 0.00 | 0.00 | 1 |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|---------|---|
| [REDACTED] | 1/24/23 | 1400 | [REDACTED] | 1/24/23 | 1400 | Shipping Date: 1/24/2023 / FEDEX 770866512763 |
| [REDACTED] | | | [REDACTED] | 1/25/23 | 10:28am | Fedex 7708 9971 6516 |
| | | | | | | Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 1/25/23 10:28am Intact |
| | | | | | | Custody Seal Intact - [REDACTED] |

COC # [REDACTED] **012423AIRC**

Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation

Project Number: J310000600

WBS Code: J310000600

| Sample ID | Comments |
|--------------|--------------------------|
| PM113022-15 | TOTAL FLOW: NA (M3) |
| TSP113022-16 | TOTAL FLOW: NA (M3) |
| PM113022-17 | TOTAL FLOW: 1522.60 (M3) |
| TSP113022-18 | TOTAL FLOW: 1552.94 (M3) |
| PM113022-19 | TOTAL FLOW: 1572.10 (M3) |
| TSP113022-20 | TOTAL FLOW: 1672.75 (M3) |
| PM113022-21 | TOTAL FLOW: 1639.48 (M3) |
| TSP113022-22 | TOTAL FLOW: 1580.94 (M3) |
| PM113022-23 | TOTAL FLOW: 1644.10 (M3) |
| TSP113022-24 | TOTAL FLOW: 1744.24 (M3) |
| PM113022-25 | TOTAL FLOW: 400.35 (M3) |
| TSP113022-26 | TOTAL FLOW: 397.82 (M3) |
| PM113022-27 | TOTAL FLOW: 364.82 (M3) |
| TSP113022-28 | TOTAL FLOW: 386.63 (M3) |

| Sample ID | Cubic Meter | Volume |
|------------------|--------------------|---------------|
| PM113022-17 | 1522.6 | 1522600 |
| TSP113022-18 | 1552.94 | 1552940 |
| PM113022-19 | 1572.1 | 1572100 |
| TSP113022-20 | 1672.75 | 1672750 |
| PM113022-21 | 1639.48 | 1639480 |
| TSP113022-22 | 1580.94 | 1580940 |
| PM113022-23 | 1644.1 | 1644100 |
| TSP113022-24 | 1744.24 | 1744240 |
| PM113022-25 | 400.35 | 400350 |
| TSP113022-26 | 397.82 | 397820 |
| PM113022-27 | 364.82 | 364820 |
| TSP113022-28 | 386.63 | 386630 |

February 13, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B033028

Client Project ID: J310000600 PARCEL C AIR MONITR

Received: February 2, 2023

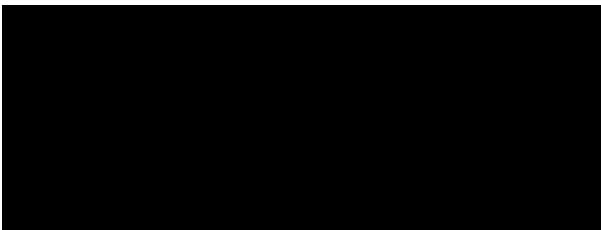
Reported: February 13, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.



Technical Director

Enclosures

Final Report

Work Order B033028

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 02/02/23

PO Number J310000600

Client Project ID J310000600 PARCEL C AIR MONTR

| | | | | | | | | |
|---------|------------|------------|-------------|----------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028001 | Sample ID: | PM113022-33 | FIELDCQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/23/2023 8:00:00 AM |
|---------|------------|------------|-------------|----------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/03/23 | 0 L | 1000 ug | | | < 1000 ug | -- |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 0 L | 98.0 ug | | | < 98.0 ug | -- |

| | | | | | | | | |
|---------|------------|------------|--------------|----------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028002 | Sample ID: | TSP113022-34 | FIELDCQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/23/2023 8:00:00 AM |
|---------|------------|------------|--------------|----------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/03/23 | 0 L | 1000 ug | | | < 1000 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028003 | Sample ID: | PM113022-29 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/24/2023 7:53:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 02/03/23 | 1655000 L | 1000 ug | | | 18400 ug | 11 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1655000 L | 14.0 ug | | | < 14 ug | < 0.0085 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1655000 L | 98.0 ug | | | < 98 ug | < 0.0592 ug/M3 |

Final Report

Work Order B033028

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028004 | Sample ID: | TSP113022-30 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/24/2023 7:53:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/03/23 | 1671600 L | 1000 ug | | | 39200 ug | 23 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028005 | Sample ID: | PM113022-31 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/24/2023 7:37:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 02/03/23 | 1663870 L | 1000 ug | | | 22500 ug | 14 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1663870 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1663870 L | 98.0 ug | | | < 98 ug | < 0.0589 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028006 | Sample ID: | TSP113022-32 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/24/2023 7:37:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/03/23 | 1766680 L | 1000 ug | | | 183000 ug | 104 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028007 | Sample ID: | PM113022-35 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:58:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 02/03/23 | 1657990 L | 1000 ug | | | 30300 ug | 18 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1657990 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |

Final Report

Work Order B033028

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028007 | Sample ID: | PM113022-35 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:58:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1657990 L | 98.0 ug | | | < 98 ug | < 0.0591 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028008 | Sample ID: | TSP113022-36 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:58:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/03/23 | 1664440 L | 1000 ug | | | 58300 ug | 35 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028009 | Sample ID: | PM113022-37 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:43:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| PM10 Particulates | 40CFR50 App.J | 02/03/23 | 1656860 L | 1000 ug | | | 34500 ug | 21 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1656860 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/13/23 | 1656860 L | 98.0 ug | | | < 98 ug | < 0.0591 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B033028010 | Sample ID: | TSP113022-38 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:43:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------|---------------|-----------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/03/23 | 1758330 L | 1000 ug | | | 184000 ug | 105 ug/M3 |

Final Report

Work Order B033028

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 013123AIRC



B033028

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|---|----------------------------|------------|----------------|----------------------------|--------------------------------|------------------------|----------|--------------------------------|---|-------------------|-------------|
| Comments: | | <table border="1"> <tr> <td>Code</td> <td>Matrix</td> </tr> <tr> <td>AQ</td> <td>Air Quality Control Matrix</td> </tr> <tr> <td>Code</td> <td>Container/Preservative</td> </tr> <tr> <td>1</td> <td>1x 250-mL Plastic, 4 Degrees C</td> </tr> <tr> <td>1</td> <td>1x Envelope, None</td> </tr> </table> | Code | Matrix | AQ | Air Quality Control Matrix | Code | Container/Preservative | 1 | 1x 250-mL Plastic, 4 Degrees C | 1 | 1x Envelope, None | Page 1 of 4 |
| Code | | | Matrix | | | | | | | | | | |
| AQ | | | Air Quality Control Matrix | | | | | | | | | | |
| Code | | | Container/Preservative | | | | | | | | | | |
| 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments | | | | |
| 1 PM113022-33 | AQ | 01/23/2023 | 0800 | [REDACTED] | X X [REDACTED] | FIELDQC | FB1 0.00 0.00 | 1 | | | | | |
| 2 TSP113022-34 | AQ | 01/23/2023 | 0800 | [REDACTED] | X [REDACTED] | FIELDQC | FB1 0.00 0.00 | 1 | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/31/23 | 1400 | Fedex | 1/31/23 | 1400 | Shipping Date: 1/31/2023 / FEDEX / 7710 7733 6403 |
| [REDACTED] | | | [REDACTED] | 2/1/23 | 1101 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 2/1/23 1101 intact |
| | | | | | | Custody Seals Intact [REDACTED] |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # **[REDACTED]013123AIRC**



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | <table border="1"> <tr> <td>Code</td> <td>Matrix</td> </tr> <tr> <td>A</td> <td>Air</td> </tr> </table> <table border="1"> <tr> <td>Code</td> <td>Container/Preservative</td> </tr> <tr> <td>1</td> <td>1x 250-mL Plastic, 4 Degrees C</td> </tr> <tr> <td>1</td> <td>1x Envelope, None</td> </tr> </table> | | | | | | | | | | Code | Matrix | A | Air | Code | Container/Preservative | 1 | 1x 250-mL Plastic, 4 Degrees C | 1 | 1x Envelope, None | Page 2 of 4 |
|--------------------------------|--|--------|------------|------|------------|---|---|--|--|--|------|-------------|-------------|----------------|--------|------------------------|---|--------------------------------|---|-------------------|-------------|
| Code | Matrix | | | | | | | | | | | | | | | | | | | | |
| A | Air | | | | | | | | | | | | | | | | | | | | |
| Code | Container/Preservative | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments | | | | | |
| 1 | PM113022-29 | A | 01/24/2023 | 0753 | [REDACTED] | X | X | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | | | | | |
| 2 | TSP113022-30 | A | 01/24/2023 | 0753 | [REDACTED] | X | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | | | | | |
| 3 | PM113022-31 | A | 01/24/2023 | 0737 | [REDACTED] | X | X | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | | | | | |
| 4 | TSP113022-32 | A | 01/24/2023 | 0737 | [REDACTED] | X | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/31/23 | 1400 | FedEx | 1/31/23 | 1400 | Shipping Date: 1/31/2023 / FEDEX / 7710 7733 6403 |
| | | | [REDACTED] | 2/1/23 | 1101 | Received by Laboratory: (Signature, Date, Time) & condition [REDACTED] 2/1/23 1101 intact Custody Seals intact [REDACTED] |

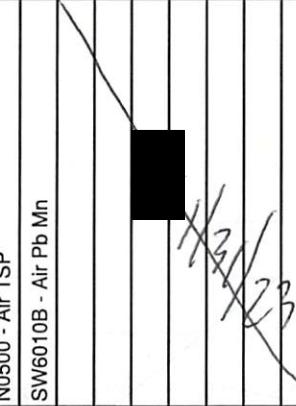
**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 013123AIRC



| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | | | | Event: Parcel C Air Monitoring 1/31/23 | | | | |
|--|--------------|--------|------------|--|------------|---|---|--|-------------|--------------------------------|--------|----------|
| Project Number: J310000600 | | | | POC: | | | | | | | | |
| WBS Code: J310000600 | | | | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | | | | | | | | |
| Comments: | | | | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn  | | | | Code Matrix A Air Code Container/Preservative 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None | | | | |
| Equipment: | | | | | | | | Page 3 of 4 | | | | |
| Event: Parcel C Air Monitoring | | | | 1 | 1 | 1 | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | PM113022-35 | A | 01/25/2023 | 0758 | | X | X | MSC01 | N1 | 0.00 0.00 | 1 | |
| 2 | TSP113022-36 | A | 01/25/2023 | 0758 | | X | | MSC01 | N1 | 0.00 0.00 | 1 | |
| 3 | PM113022-37 | A | 01/25/2023 | 0743 | | X | X | MSC02 | N1 | 0.00 0.00 | 1 | |
| 4 | TSP113022-38 | A | 01/25/2023 | 0743 | | X | | MSC02 | N1 | 0.00 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 1/31/23 | 1400 | Fedex | 1/31/23 | 1400 | Shipping Date: 1/31/2023 / FEDEX / 7710 7733 6403 |
| | | | [REDACTED] | 2/1/23 | 1101 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 2/1/23 1101 intact |
| | | | | | | custody seals intact [REDACTED] |

Project Name: Hunters Point Shipyard, Parcel C Removal Site

COC # 013123AIRC

Project Number: J310000600

WBS Code: J310000600

| Event: Parcel C Air Monitoring | | | | | |
|--------------------------------|--------------|--------|------------|------|--------------------------|
| | Sample ID | Matrix | Date | Time | Comments |
| 1 | PM113022-33 | AQ | 01/23/2023 | 0800 | TOTAL FLOW: NA (M3) |
| 2 | TSP113022-34 | AQ | 01/23/2023 | 0800 | TOTAL FLOW: NA (M3) |
| 3 | PM113022-29 | A | 01/24/2023 | 0753 | TOTAL FLOW: 1655.00 (M3) |
| 4 | TSP113022-30 | A | 01/24/2023 | 0753 | TOTAL FLOW: 1671.60 (M3) |
| 5 | PM113022-31 | A | 01/24/2023 | 0737 | TOTAL FLOW: 1663.87 (M3) |
| 6 | TSP113022-32 | A | 01/24/2023 | 0737 | TOTAL FLOW: 1766.68 (M3) |
| 7 | PM113022-35 | A | 01/25/2023 | 0758 | TOTAL FLOW: 1657.99 (M3) |
| 8 | TSP113022-36 | A | 01/25/2023 | 0758 | TOTAL FLOW: 1664.44 (M3) |
| 9 | PM113022-37 | A | 01/25/2023 | 0743 | TOTAL FLOW: 1656.86 (M3) |
| 10 | TSP113022-38 | A | 01/25/2023 | 0743 | TOTAL FLOW: 1758.33 (M3) |

Relinquished by: (Signature)

Date 1/31/23 @ 1400

Time

Received by: (Signature)

GES.Navy_CO.COC_Field (3)

→ Redex 1/31/23
@ 1400

Date

Time

Shipping Date: / /

Received by Laboratory: (Signature, Date, Time) & co

| Sample ID | Cubic Meter | Volume (L) |
|------------------|--------------------|-------------------|
| PM113022-29 | 1655 | 1655000 |
| TSP113022-30 | 1671.6 | 1671600 |
| PM113022-31 | 1663.87 | 1663870 |
| TSP113022-32 | 1766.68 | 1766680 |
| PM113022-35 | 1657.99 | 1657990 |
| TSP113022-36 | 1664.44 | 1664440 |
| PM113022-37 | 1656.86 | 1656860 |
| TSP113022-38 | 1758.33 | 1758330 |
| | 0 | |
| | 0 | |
| | 0 | |



Level 2 QA/QC Summary Report

Work Order #: B033028

Report Date: 2/13/2023

Batch ID: ICP230206A

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | |
|----------|---------|-----------|------------------|------|-----|
| | | | LCS | LCSD | RPD |
| LCS ICP0 | BLKSPK | Lead | 84.0 | 81.0 | 4 |
| LCS ICP0 | BLKSPK | Manganese | 84.0 | 82.0 | 3 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|--------|------|-------|
| LMB ICP2 | LMB | Lead | < 14.0 | 14.0 | ug |
| LMB ICP2 | LMB | Manganese | < 98.0 | 98.0 | ug |

February 15, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B039017

Client Project ID: J310000600 PARCEL C HUNTERS PT

Received: February 8, 2023

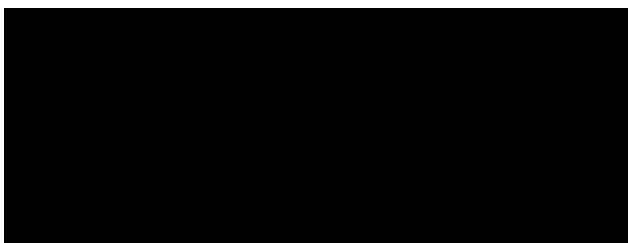
Reported: February 15, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.



Technical Director

Enclosures

Final Report

Work Order B039017

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 02/08/23

PO Number J310000600

Client Project ID J310000600 PARCEL C
 HUNTERS PT

| | | | | | | | | |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017001 | Sample ID: | TSP113022-02 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/19/2022 8:00:00 AM |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|--------|-----------------|-------|------|---------|---------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 98.0 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017002 | Sample ID: | TSP113022-04 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/20/2022 8:45:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1682180 L | 14.0 ug | | | < 14 ug | < 0.0083 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1682180 L | 98.0 ug | | | < 98 ug | < 0.0583 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017003 | Sample ID: | TSP113022-06 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/20/2022 8:35:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1798100 L | 14.0 ug | | | < 14 ug | < 0.0078 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1798100 L | 98.0 ug | | | < 98 ug | < 0.0545 ug/M3 |

Final Report

Work Order B039017

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017004 | Sample ID: | TSP113022-08 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/21/2022 9:40:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1720200 L | 14.0 ug | | | < 14 ug | < 0.0081 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1720200 L | 98.0 ug | | | < 98 ug | < 0.057 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017005 | Sample ID: | TSP113022-10 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/21/2022 9:30:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1808380 L | 14.0 ug | | | < 14 ug | < 0.0077 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1808380 L | 98.0 ug | | | < 98 ug | < 0.0542 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017006 | Sample ID: | TSP113022-12 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/22/2022 7:53:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1537100 L | 14.0 ug | | | < 14 ug | < 0.0091 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1537100 L | 98.0 ug | | | < 98 ug | < 0.0638 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017007 | Sample ID: | TSP113022-14 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/22/2022 7:46:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B039017

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|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|
| Lab ID: | B039017007 | Sample ID: | TSP113022-14 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 12/22/2022 7:46:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|-----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1720940 L | 14.0 ug | | | < 14 ug | < 0.0081 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1720940 L | 98.0 ug | | | < 98 ug | < 0.0569 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017008 | Sample ID: | TSP113022-16 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/17/2023 8:00:00 AM |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|--------|-----------------|-------|------|---------|---------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 98.0 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017009 | Sample ID: | TSP113022-18 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/18/2023 7:51:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1552940 L | 14.0 ug | | | < 14 ug | < 0.009 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1552940 L | 98.0 ug | | | < 98 ug | < 0.0631 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017010 | Sample ID: | TSP113022-20 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/18/2023 7:53:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B039017

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|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017010 | Sample ID: | TSP113022-20 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/18/2023 7:53:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1672750 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1672750 L | 98.0 ug | | | < 98 ug | < 0.0586 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017011 | Sample ID: | TSP113022-22 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 7:42:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1580940 L | 14.0 ug | | | < 14 ug | < 0.0089 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1580940 L | 98.0 ug | | | < 98 ug | < 0.062 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017012 | Sample ID: | TSP113022-24 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 7:52:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1774240 L | 14.0 ug | | | < 14 ug | < 0.0079 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1774240 L | 98.0 ug | | | < 98 ug | < 0.0552 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017013 | Sample ID: | TSP113022-26 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:35:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B039017

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|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017013 | Sample ID: | TSP113022-26 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:35:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 397820 L | 14.0 ug | | | < 14 ug | < 0.0352 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 397820 L | 98.0 ug | | | < 98 ug | < 0.2463 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017014 | Sample ID: | TSP113022-28 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/19/2023 1:14:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 386630 L | 14.0 ug | | | < 14 ug | < 0.0362 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 386630 L | 98.0 ug | | | < 98 ug | < 0.2535 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017015 | Sample ID: | TSP113022-30 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/24/2023 7:53:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1671600 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1671600 L | 98.0 ug | | | < 98 ug | < 0.0586 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017016 | Sample ID: | TSP113022-32 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/24/2023 7:37:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B039017

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|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017016 | Sample ID: | TSP113022-32 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/24/2023 7:37:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1766680 L | 14.0 ug | | | < 14 ug | < 0.0079 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1766680 L | 98.0 ug | | | < 98 ug | < 0.0555 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017017 | Sample ID: | TSP113022-34 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/23/2023 8:00:00 AM |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|--------|-----------------|-------|------|---------|---------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 98.0 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017018 | Sample ID: | TSP113022-36 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:58:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1664440 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1664440 L | 98.0 ug | | | < 98 ug | < 0.0589 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017019 | Sample ID: | TSP113022-38 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:43:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B039017

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B039017019 | Sample ID: | TSP113022-38 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 1/25/2023 7:43:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1758330 L | 14.0 ug | | | < 14 ug | < 0.008 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 1758330 L | 98.0 ug | | | < 98 ug | < 0.0557 ug/M3 |

Final Report

Work Order **B039017**

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 020323AIRC

GES

[REDACTED]
B039017

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | |
|------------|---|---------------------------------|
| Comments: | Requesting metals testing using TSP Filters. Lab already received samples on 12/28/22, 1/24/23, 1/31/23 | Code Matrix |
| | | A Air |
| | | AQ Air Quality Control Matrix |
| Equipment: | | Code Container/Preservative |
| | | 1 1x Envelope, None |

| Event: Parcel C Air Monitoring | | | | | | | | | | |
|--------------------------------|--------|------------|------|------------|------------------------|-------------|-------------|----------------|--------|------------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | Analytical Test Method | Location ID | Sample Type | Depth (ft bgs) | | Comments |
| | | | | | | | | Top - Bottom | Cooler | |
| 1 TSP113022-02 | AQ | 12/19/2022 | 0800 | X | SW6010B - Air Pb Mn | FIELDQC | FB5 | 0.00 | 0.00 | 1 VOLUME: NA (M3) |
| 2 TSP113022-04 | A | 12/20/2022 | 0845 | X | | MSC01 | N5 | 0.00 | 0.00 | 1 VOLUME: 1682.18 (M3) |
| 3 TSP113022-06 | A | 12/20/2023 | 0835 | X | | MSC02 | N5 | 0.00 | 0.00 | 1 VOLUME: 1798.10 (M3) |
| 4 TSP113022-08 | A | 12/21/2022 | 0940 | X | | MSC01 | N5 | 0.00 | 0.00 | 1 VOLUME: 1720.20 (M3) |
| 5 TSP113022-10 | A | 12/21/2022 | 0930 | X | | MSC02 | N5 | 0.00 | 0.00 | 1 VOLUME: 1808.38 (M3) |
| 6 TSP113022-12 | A | 12/22/2022 | 0753 | X | | MSC01 | N5 | 0.00 | 0.00 | 1 VOLUME: 1537.10 (M3) |
| 7 TSP113022-14 | A | 12/22/2022 | 0746 | X | | MSC02 | N5 | 0.00 | 0.00 | 1 VOLUME: 1720.94 (M3) |
| 8 TSP113022-16 | AQ | 01/17/2023 | 0800 | X | | FIELDQC | FB5 | 0.00 | 0.00 | 1 VOLUME: NA (M3) |
| 9 TSP113022-18 | A | 01/18/2023 | 0751 | X | | MSC01 | N5 | 0.00 | 0.00 | 1 VOLUME: 1552.94 (M3) |
| 10 TSP113022-20 | A | 01/18/2023 | 0753 | X | | MSC02 | N5 | 0.00 | 0.00 | 1 VOLUME: 1672.75 (M3) |
| 11 TSP113022-22 | A | 01/19/2023 | 0742 | X | | MSC01 | N5 | 0.00 | 0.00 | 1 VOLUME: 1580.94 (M3) |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|--|----------|------|--------------------------|----------|------|---|
| Samples 2,4,6,8,10,12,14 Shipped to Lab via FEDEX | 12/28/22 | 1200 | FEDEX | 12/28/22 | 1200 | Shipping Date: 12/28/22 FEDEX 7708 6634 9949 |
| Samples 16,18,20,22,24,26,28 Shipped to Lab via FEDEX | 1/24/23 | 1400 | FEDEX | 1/24/23 | 1400 | Shipping Date: 1/24/23 FEDEX 7709 9971 6516 |
| Samples 30,32,34,36,38 Shipped to Lab via FEDEX | 1/31/23 | 1400 | FEDEX | 1/31/23 | 1400 | Shipping Date: 1/31/23 FEDEX 7710 7733 6403 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 218123 0942 |
| | | | | | | 218123 0942 |
| | | | | | | 218123 0942 |

**CHAIN-OF-CUSTODY
RECORD**

Gibbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 020323AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | |
|--|---------------------------------|
| Comments: Requesting metals testing using TSP Filters. Lab already received samples on 12/28/22, 1/24/23, 1/31/23 [REDACTED] [REDACTED] | Code Matrix |
| | A Air |
| | AQ Air Quality Control Matrix |
| | Code Container/Preservative |
| | 1 1x Envelope, None |

Equipment:

| Event: Parcel C Air Monitoring | | | | | | 1 | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments |
|--------------------------------|--------------|--------|------------|------|-------------|---|-------------|-------------|----------------|--------------|--------|----------------------|
| | Sample ID | Matrix | Date | Time | Samp. Init. | | | | | | | |
| 12 | TSP113022-24 | A | 01/19/2023 | 0752 | [REDACTED] | X | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME: 1744.24 (M3) |
| 13 | TSP113022-26 | A | 01/19/2023 | 1335 | [REDACTED] | X | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME: 397.82 (M3) |
| 14 | TSP113022-28 | A | 01/19/2023 | 1314 | [REDACTED] | X | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME: 386.63 (M3) |
| 15 | TSP113022-30 | A | 01/24/2023 | 0753 | [REDACTED] | X | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME: 1671.60 (M3) |
| 16 | TSP113022-32 | A | 01/24/2023 | 0737 | [REDACTED] | X | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME: 1766.68 (M3) |
| 17 | TSP113022-34 | AQ | 01/23/2023 | 0800 | [REDACTED] | X | FIELDQC | FB5 | 0.00 | 0.00 | 1 | VOLUME: NA (M3) |
| 18 | TSP113022-36 | A | 01/25/2023 | 0758 | [REDACTED] | X | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME: 1664.44 (M3) |
| 19 | TSP113022-38 | A | 01/25/2023 | 0743 | [REDACTED] | X | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME: 1758.33 (M3) |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|---|----------|------|--------------------------|----------|------|--|
| Samples 2,4,6,8,10,12,14 Shipped to Lab via FEDEX | 12/28/22 | 1200 | FEDEX | 12/28/22 | 1200 | Shipping Date: 12/28/22 FEDEX 7708 6634 9949 |
| Samples 16,18,20,22,24,26,28 Shipped to Lab via FEDEX | 1/24/23 | 1400 | FEDEX | 1/24/23 | 1400 | Shipping Date: 1/24/23 FEDEX 7709 9971 6516 |
| Samples 30,32,34,36,38 Shipped to Lab via FEDEX | 1/31/23 | 1400 | FEDEX | 1/31/23 | 1400 | Shipping Date: 1/31/23 FEDEX 7710 7733 6403 |
| Received by Laboratory: (Signature, Date, Time) & condition | | | | | | 218123 0942 |
| | | | | | | 218123 0942 |
| | | | | | | 218123 0942 |

| Sample ID | Cubic Meter | Volume (L) |
|------------------|--------------------|-------------------|
| TSP113022-04 | 1682.18 | 1682180 |
| TSP113022-06 | 1798.1 | 1798100 |
| TSP113022-08 | 1720.2 | 1720200 |
| TSP113022-10 | 1808.38 | 1808380 |
| TSP113022-12 | 1537.1 | 1537100 |
| TSP113022-14 | 1720.94 | 1720940 |
| TSP113022-18 | 1552.94 | 1552940 |
| TSP113022-20 | 1672.75 | 1672750 |
| TSP113022-22 | 1580.94 | 1580940 |
| TSP113022-24 | 1774.24 | 1774240 |
| TSP113022-26 | 397.82 | 397820 |
| TSP113022-28 | 386.63 | 386630 |
| TSP113022-30 | 1671.6 | 1671600 |
| TSP113022-32 | 1766.68 | 1766680 |
| TSP113022-36 | 1664.44 | 1664440 |
| TSP113022-38 | 1758.33 | 1758330 |
| | 0 | |
| | 0 | |
| | 0 | |



Built Environment
Analytics

Eurofins Analytics, LLC

10329 Stony Run Lane

Ashland, Va 23005

Phone: (804) 365-3000 Fax: (804) 365-3002

AIHA-LAP, LLC Accreditation ID 100531

Level 2 QA/QC Summary Report

Work Order #: B039017

Report Date: 2/15/2023

Batch ID: ICP230208B

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | |
|----------|---------|-----------|------------------|------|-----|
| | | | LCS | LCSD | RPD |
| LCS ICP2 | BLKSPK | Lead | 76.0 | 66.0 | 13 |
| LCS ICP2 | BLKSPK | Manganese | 82.0 | 70.0 | 15 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|--------|------|-------|
| LMB ICP2 | LMB | Lead | < 14.0 | 14.0 | ug |
| LMB ICP2 | LMB | Manganese | < 98.0 | 98.0 | ug |

February 15, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B039031

Client Project ID: J310000600 PARCEL C HUNTERS PT

Received: February 8, 2023

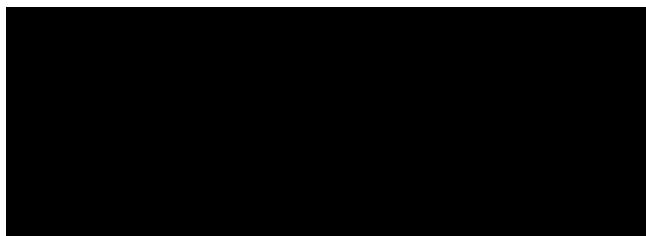
Reported: February 15, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.



Technical Director

Enclosures

Final Report
Work Order B039031

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 02/08/23

PO Number J310000600

Client Project ID J310000600 PARCEL C
 HUNTERS PT

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B039031001 | Sample ID: | PM113022-43 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/09/23 | 0 L | 1000 ug | | | < 1000 ug | -- |

| | | | | | | | | |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B039031002 | Sample ID: | TSP113022-44 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 8:00:00 AM |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/09/23 | 0 L | 1000 ug | | | < 1000 ug | -- |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 0 L | 98.0 ug | | | < 98.0 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B039031003 | Sample ID: | PM113022-49 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 3:00:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/09/23 | 499450 L | 1000 ug | | | 11600 ug | 23 ug/M3 |

Final Report

Work Order B039031

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B039031004 | Sample ID: | TSP113022-50 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 3:00:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/09/23 | 500300 L | 1000 ug | | | 18600 ug | 37 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 500300 L | 14.0 ug | | | < 14 ug | < 0.028 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 500300 L | 98.0 ug | | | < 98 ug | < 0.1959 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B039031005 | Sample ID: | PM113022-51 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 3:05:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/09/23 | 515090 L | 1000 ug | | | 12700 ug | 25 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B039031006 | Sample ID: | TSP113022-52 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 3:05:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/09/23 | 545960 L | 1000 ug | | | 17400 ug | 32 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 545960 L | 14.0 ug | | | < 14 ug | < 0.0256 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/15/23 | 545960 L | 98.0 ug | | | < 98 ug | < 0.1795 ug/M3 |

Final Report

Work Order **B039031**

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
 [REDACTED]
 2300 Clayton Road, Suite 1050, Concord, CA 94520
 [REDACTED]

COC # [REDACTED] 020723AIRC



AN ASHC INDUSTRIAL COMPANY

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | | |
|--------------------------------|------------|------------|--------------------------------|-------------|-------------|-------------|----------------|--------------|--------|----------|
| Comments: | [REDACTED] | Code | Matrix | Page 1 of 3 | | | | | | |
| | | AQ | Air Quality Control Matrix | | | | | | | |
| Equipment: | | Code | Container/Preservative | | | | | | | |
| | | 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | |
| | | 1 | 1x Envelope, None | | | | | | | |
| Event: Parcel C Air Monitoring | 1 1 1 | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments |
| 1 PM113022-43 | AQ | 02/02/2023 | 0800 | X | FIELDQC | FB1 | 0.00 | 0.00 | 1 | |
| 2 TSP113022-44 | AQ | 02/02/2023 | 0800 | X X | FIELDQC | FB1 | 0.00 | 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | |

| | | | | | | |
|------------------------------|--------|------|--------------------------|--------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 2/7/23 | 1400 | FedEx | 2/7/23 | 1400 | Shipping Date: 2/7/2023 / FEDEX / 7711 4606 8481 |
| | | | | | | FedEx# 7711 4606 8481 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | Custody Seal Intact - [REDACTED] |
| | | | | | | 2/8/23 10:39am |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 020723AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|--|--------|------------|-----|-----|------|------------------------|-------------|--------------------------------|--------------|-------------------|-------------|--|
| Comments: | | <table border="1"> <tr> <td>Code</td> <td>Matrix</td> </tr> <tr> <td>A</td> <td>Air</td> </tr> </table> <table border="1"> <tr> <td>Code</td> <td>Container/Preservative</td> </tr> <tr> <td>1</td> <td>1x 250-mL Plastic, 4 Degrees C</td> </tr> <tr> <td>1</td> <td>1x Envelope, None</td> </tr> </table> | Code | Matrix | A | Air | Code | Container/Preservative | 1 | 1x 250-mL Plastic, 4 Degrees C | 1 | 1x Envelope, None | Page 3 of 3 | |
| Code | | | Matrix | | | | | | | | | | | |
| A | Air | | | | | | | | | | | | | |
| Code | Container/Preservative | | | | | | | | | | | | | |
| 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | 1 | 1 | 1 | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments | |
| 1 PM113022-49 | A | 02/02/2023 | 1500 | [REDACTED] | X | | | MSC01 | N1 | 0.00 | 0.00 | 1 | | |
| 2 TSP113022-50 | A | 02/02/2023 | 1500 | [REDACTED] | X X | | | MSC01 | N1 | 0.00 | 0.00 | 1 | | |
| 3 PM113022-51 | A | 02/02/2023 | 1505 | [REDACTED] | X | | | MSC02 | N1 | 0.00 | 0.00 | 1 | | |
| 4 TSP113022-52 | A | 02/02/2023 | 1505 | [REDACTED] | X X | | | MSC02 | N1 | 0.00 | 0.00 | 1 | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | |

| | | | | | | |
|------------------------------|--------|------|--------------------------|--------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 2/7/23 | 1400 | Fedex | 2/7/23 | 1400 | Shipping Date: 2/7/2023 / FEDEX / 7711 4606 8481 |
| | | | | | | FedEx# 7711 4606 8481 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | Custodial Seal Intact - [REDACTED] 8/23 10:39am |

COC # 020723AIRC

| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Event: Parcel C Air Monitoring | |
|--|--------------|--------|------------|--------------------------------|---------------------|
| Project Number: J310000600 | | | | | |
| WBS Code: J310000600 | | | | | |
| | Sample ID | Matrix | Date | Time | Comments |
| | PM113022-43 | AQ | 02/02/2023 | 0800 | VOLUME: NA (M3) |
| 1 | TSP113022-44 | AQ | 02/02/2023 | 0800 | VOLUME: NA (M3) |
| 2 | PM113022-49 | A | 02/02/2023 | 1500 | VOLUME: 499.45 (M3) |
| 3 | TSP113022-50 | A | 02/02/2023 | 1500 | VOLUME: 500.30 (M3) |
| 4 | PM113022-51 | A | 02/02/2023 | 1505 | VOLUME: 515.09 (M3) |
| 5 | TSP113022-52 | A | 02/02/2023 | 1505 | VOLUME: 545.96 (M3) |



Built Environment
Analytics

Eurofins Analytics, LLC

10329 Stony Run Lane

Ashland, Va 23005

Phone: (804) 365-3000 Fax: (804) 365-3002

AIHA-LAP, LLC Accreditation ID 100531

Level 2 QA/QC Summary Report

Work Order #: B039031

Report Date: 2/15/2023

Batch ID: ICP230210A

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | |
|----------|---------|-----------|------------------|------|-----|
| | | | LCS | LCSD | RPD |
| LCS ICP2 | BLKSPK | Lead | 78.0 | 76.0 | 2 |
| LCS ICP2 | BLKSPK | Manganese | 84.0 | 83.0 | 1 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|--------|------|-------|
| LMB ICP2 | LMB | Lead | < 14.0 | 14.0 | ug |
| LMB ICP2 | LMB | Manganese | < 98.0 | 98.0 | ug |

February 21, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B046022

Client Project ID: J310000600 PARCEL C HUNTERS PT

Received: February 15, 2023

Reported: February 21, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.

[REDACTED]
Technical Director

Enclosures

Final Report
Work Order B046022

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 02/15/23

PO Number J310000600

Client Project ID J310000600 PARCEL C
 HUNTERS PT

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022001 | Sample ID: | PM113022-53 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/6/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 0 L | 1000 ug | | | < 1000 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022002 | Sample ID: | PM113022-54 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/6/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 0 L | 1000 ug | | | < 1000 ug | -- |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 0 L | 14 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 0 L | 98 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022003 | Sample ID: | PM113022-55 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/7/2023 7:45:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 1625880 L | 1000 ug | | | 20500 ug | 13 ug/M3 |

Final Report

Work Order B046022

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022004 | Sample ID: | TSP113022-56 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/7/2023 7:45:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 1629510 L | 1000 ug | | | 44000 ug | 27 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1629510 L | 14 ug | | | < 14 ug | < 0.0086 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1629510 L | 98 ug | | | < 98 ug | < 0.0601 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022005 | Sample ID: | PM113022-57 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/7/2023 7:34:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 1631960 L | 1000 ug | | | 28200 ug | 17 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022006 | Sample ID: | TSP113022-58 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/7/2023 7:34:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 1728660 L | 1000 ug | | | 43500 ug | 25 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1728660 L | 14 ug | | | < 14 ug | < 0.0081 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1728660 L | 98 ug | | | < 98 ug | < 0.0567 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022007 | Sample ID: | PM113022-59 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 8:05:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B046022

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022007 | Sample ID: | PM113022-59 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 8:05:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 1671290 L | 1000 ug | | | 25700 ug | 15 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022008 | Sample ID: | TSP113022-60 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 8:05:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 1675360 L | 1000 ug | | | 53800 ug | 32 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1675360 L | 14 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1675360 L | 98 ug | | | < 98 ug | < 0.0585 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022009 | Sample ID: | PM113022-61 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 7:50:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 1666110 L | 1000 ug | | | 140000 ug | 84 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022010 | Sample ID: | TSP113022-62 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 7:50:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 1766710 L | 1000 ug | | | 44800 ug | 25 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1766710 L | 14 ug | | | < 14 ug | < 0.0079 ug/M3 |

Final Report

Work Order B046022

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022010 | Sample ID: | TSP113022-62 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 7:50:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1766710 L | 98 ug | | | < 98 ug | < 0.0555 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022011 | Sample ID: | PM113022-63 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 7:43:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 1627760 L | 1000 ug | | | 31700 ug | 19 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022012 | Sample ID: | TSP113022-64 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 7:43:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 1629750 L | 1000 ug | | | 53700 ug | 33 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1629750 L | 14 ug | | | < 14 ug | < 0.0086 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1629750 L | 98 ug | | | < 98 ug | < 0.0601 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022013 | Sample ID: | PM113022-65 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 7:30:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 1499600 L | 1000 ug | | | 31000 ug | 21 ug/M3 |

Final Report

Work Order B046022

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022014 | Sample ID: | TSP113022-66 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 7:30:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 1590490 L | 1000 ug | | | 46800 ug | 29 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1590490 L | 14 ug | | | < 14 ug | < 0.0088 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 1590490 L | 98 ug | | | < 98 ug | < 0.0616 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022015 | Sample ID: | PM112922-22 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 2:17:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 447970 L | 1000 ug | | | 7500 ug | 17 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022016 | Sample ID: | TSP112922-23 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 2:17:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 447380 L | 1000 ug | | | 14700 ug | 33 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 447380 L | 14 ug | | | < 14 ug | < 0.0313 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 447380 L | 98 ug | | | < 98 ug | < 0.2191 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022017 | Sample ID: | PM112922-24 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 2:08:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B046022

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022017 | Sample ID: | PM112922-24 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 2:08:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/16/23 | 446260 L | 1000 ug | | | 5100 ug | 11 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B046022018 | Sample ID: | TSP112922-25 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 2:08:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/16/23 | 474140 L | 1000 ug | | | 11800 ug | 25 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 474140 L | 14 ug | | | < 14 ug | < 0.0295 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/20/23 | 474140 L | 98 ug | | | < 98 ug | < 0.2067 ug/M3 |

Final Report

Work Order B046022

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 021423AIRC



| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | | | | Event: Parcel C Air Monitoring | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------|------------|------|---|--------|------|------|--------------------------------|-------------|----------------|----------------------------|-------------|-------------|----------------|------------------------|--------|--------------------------------|---------------|-------------------|-------------|------|------------|---|--|--|---------|-----|------|------|---|--|----------------|----|------------|------|------------|--|---|---|---------|-----|------|------|---|--|-------------------------|--|
| Project Number: J310000600 | | | | POC: [REDACTED] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS Code: J310000600 | | | | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Comments:</p> <p>Equipment:</p> | | | | <table border="1"> <thead> <tr> <th>Code</th> <th>Matrix</th> </tr> </thead> <tbody> <tr> <td>AQ</td> <td>Air Quality Control Matrix</td> </tr> <tr> <td colspan="2"> </td> </tr> <tr> <th>Code</th> <th>Container/Preservative</th> </tr> <tr> <td>1</td> <td>1x 250-mL Plastic, 4 Degrees C</td> </tr> <tr> <td>1</td> <td>1x Envelope, None</td> </tr> </tbody> </table> | | | | Code | Matrix | AQ | Air Quality Control Matrix | | | Code | Container/Preservative | 1 | 1x 250-mL Plastic, 4 Degrees C | 1 | 1x Envelope, None | Page 1 of 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Matrix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AQ | Air Quality Control Matrix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Container/Preservative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Event: Parcel C Air Monitoring</p> <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Matrix</th> <th>Date</th> <th>Time</th> <th>Samp Init.</th> <th>1</th> <th>1</th> <th>1</th> <th>Location ID</th> <th>Sample Type</th> <th>Depth (ft bgs)</th> <th>Top - Bottom</th> <th>Cooler</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>1 PM113022-53</td> <td>AQ</td> <td>02/06/2023</td> <td>0800</td> <td>[REDACTED]</td> <td>X</td> <td></td> <td></td> <td>FIELDQC</td> <td>FB2</td> <td>0.00</td> <td>0.00</td> <td>1</td> <td></td> </tr> <tr> <td>2 TSP113022-54</td> <td>AQ</td> <td>02/06/2023</td> <td>0800</td> <td>[REDACTED]</td> <td></td> <td>X</td> <td>X</td> <td>FIELDQC</td> <td>FB2</td> <td>0.00</td> <td>0.00</td> <td>1</td> <td></td> </tr> </tbody> </table> | | | | Sample ID | Matrix | Date | Time | Samp Init. | 1 | 1 | 1 | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments | 1 PM113022-53 | AQ | 02/06/2023 | 0800 | [REDACTED] | X | | | FIELDQC | FB2 | 0.00 | 0.00 | 1 | | 2 TSP113022-54 | AQ | 02/06/2023 | 0800 | [REDACTED] | | X | X | FIELDQC | FB2 | 0.00 | 0.00 | 1 | | Turnaround Time: 5 days | |
| Sample ID | Matrix | Date | Time | Samp Init. | 1 | 1 | 1 | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 PM113022-53 | AQ | 02/06/2023 | 0800 | [REDACTED] | X | | | FIELDQC | FB2 | 0.00 | 0.00 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 TSP113022-54 | AQ | 02/06/2023 | 0800 | [REDACTED] | | X | X | FIELDQC | FB2 | 0.00 | 0.00 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

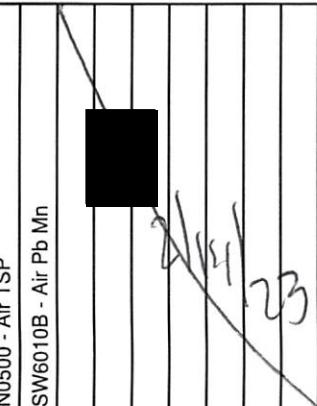
| | | | | | | |
|------------------------------|---------|------|--------------------------|---------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 2/14/23 | 1400 | Fedex | 2/14/23 | 1400 | Shipping Date: 2/14/2023 / FEDEX / 7712 2352 9928 |
| | | | [REDACTED] | 2/15/23 | 1027 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | [REDACTED] | | | 2/15/23 1027 Custody seal intact |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

██████████
2300 Clayton Road, Suite 1050, Concord, CA 94520**COC # █████021423AIRC**

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: ██████████ | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | |
|------------|------|--------------------------------|--|-------------|
| Comments: | Code | Matrix |  | Page 2 of 5 |
| | A | Air | | |
| | Code | Container/Preservative | | |
| | 1 | 1x 250-mL Plastic, 4 Degrees C | | |
| | 1 | 1x Envelope, None | | |
| Equipment: | | | | |

| Event: Parcel C Air Monitoring | | | | Samp Init. | CAAIR - Air PM10 | N0500 - Air TSP | SW6010B - Air Pb Mn | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
|--------------------------------|--------------|---|------------|------------|------------------|-----------------|---------------------|-------------|-------------|----------------|--------|----------|
| 1 | PM113022-55 | A | 02/07/2023 | 0745 | X | | | MSC01 | N1 | 0.00 | 0.00 | 1 |
| 2 | TSP113022-56 | A | 02/07/2023 | 0745 | X | X | ██████████ | MSC01 | N1 | 0.00 | 0.00 | 1 |
| 3 | PM113022-57 | A | 02/07/2023 | 0734 | X | | | MSC02 | N1 | 0.00 | 0.00 | 1 |
| 4 | TSP113022-58 | A | 02/07/2023 | 0734 | X | X | ██████████ | MSC02 | N1 | 0.00 | 0.00 | 1 |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| ██████████ | 2/14/23 | 1400 | FedEx | 2/14/23 | 1400 | Shipping Date: 2/14/2023 / FEDEX / 7712 2352 9928 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 2/15/23 1027 Custody Seal Intact ██████████ |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 021423AIRC

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | | | | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn | Code Matrix A Air | | Page 3 of 5 | | | | | |
|--------------------------------|--------|------------|------|--|--|--|-------------|--------|----------------|------|--------|----------|
| | | | | | | | | | | | | |
| Equipment: | | | | | Code Container/Preservative 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | 1 1 1 | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | Location ID | Sample | Depth (ft bgs) | | Cooler | Comments |
| | | | | | | | | Type | Top - Bottom | | | |
| 1 PM113022-59 | A | 02/08/2023 | 0805 | X | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 TSP113022-60 | A | 02/08/2023 | 0805 | X X | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 PM113022-61 | A | 02/08/2023 | 0750 | X | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 TSP113022-62 | A | 02/08/2023 | 0750 | X X | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number | |
|------------------------------|---------|------|--------------------------|---------|------|---|--|
| [REDACTED] | 2/14/23 | 1400 | Fedex | 2/14/23 | 1400 | Shipping Date: 2/14/2023 / FEDEX / 7712 2352 9928 | |
| | | | [REDACTED] | 2/15/23 | 1027 | Received by Laboratory: (Signature, Date, Time) & condition | |
| | | | [REDACTED] | | | 2/15/23 1027 Custody seal intact | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

██
2300 Clayton Road, Suite 1050, Concord, CA 94520**COC # ██████████021423AIRC**

| | | |
|--|--|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: ███ | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | | | |
|--------------------------------|--------|------------|------|------------------------|------|--------------------------------|-------------|-------------|----------------|------------------------|----------|
| Comments: | | | | Analytical Test Method | Code | Matrix | A | Air | Page 4 of 5 | | |
| | | | | | | CAAIR - Air PM10 | | | | Container/Preservative | |
| | | | | N0500 - Air TSP | 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | |
| | | | | SW6010B - Air Pb Mn | 1 | 1x Envelope, None | | | | | |
| Equipment: | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | 1 | 1 | 1 | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| 1 PM113022-63 | A | 02/09/2023 | 0743 | X | | | MSC01 | N1 | 0.00 0.00 | 1 | |
| 2 TSP113022-64 | A | 02/09/2023 | 0743 | X X | | | MSC01 | N1 | 0.00 0.00 | 1 | |
| 3 PM113022-65 | A | 02/09/2023 | 0730 | X | | | MSC02 | N1 | 0.00 0.00 | 1 | |
| 4 TSP113022-66 | A | 02/09/2023 | 0730 | X X | | | MSC02 | N1 | 0.00 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|--|---------|------|--------------------------|---------|------|---|
| ██ | 2/14/23 | 1400 | Fedex | 2/14/23 | 1400 | Shipping Date: 2/14/2023 / FEDEX / 7712 2352 9928 |
| ██ | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| ██ | | | | | | 2/15/23 1027 custody seal intact |

**CHAIN-OF-CUSTODY
RECORD**

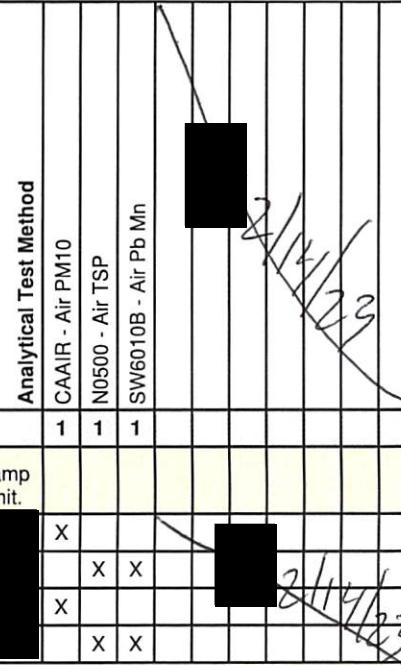
Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 021423AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | | | | | |
|--------------------------------|--|--|-------------|------------|---|-----|--|--|-------------|-------------|--------------------------------|--------|----------|
| Comments: | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn  | Code Matrix A Air Code Container/Preservative 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None | Page 5 of 5 | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 PM112922-22 | A | 02/09/2023 | 1417 | [REDACTED] | X | | | | MSC01 | N1 | 0.00 0.00 | 1 | |
| 2 TSP112922-23 | A | 02/09/2023 | 1417 | [REDACTED] | | X X | | | MSC01 | N1 | 0.00 0.00 | 1 | |
| 3 PM112922-24 | A | 02/09/2023 | 1408 | [REDACTED] | X | | | | MSC02 | N1 | 0.00 0.00 | 1 | |
| 4 TSP112922-25 | A | 02/09/2023 | 1408 | [REDACTED] | | X X | | | MSC02 | N1 | 0.00 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | | | |

| | | | | | | |
|------------------------------|---------|------|--------------------------|---------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 2/14/23 | 1400 | Fedex | 2/14/23 | 1400 | Shipping Date: 2/14/2023 / FEDEX / 7712 2352 9928 |
| | | | [REDACTED] | 2/15/23 | 1027 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | [REDACTED] | | | 2/15/23 1027 Custody seal intact |

Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation

Project Number: J310000600

WBS Code: J310000600

Event: Parcel C Air Monitoring

| | Sample ID | Date | Time | Comments |
|----|--------------|------------|------|--------------------------|
| 1 | PM113022-53 | 02/06/2023 | 0800 | TOTAL FLOW: NA (M3) |
| 2 | TSP113022-54 | 02/06/2023 | 0800 | TOTAL FLOW: NA (M3) |
| 3 | PM113022-55 | 02/07/2023 | 0745 | TOTAL FLOW: 1643.14 (M3) |
| 4 | TSP113022-56 | 02/07/2023 | 0745 | TOTAL FLOW: 1629.51 (M3) |
| 5 | PM113022-57 | 02/07/2023 | 0734 | TOTAL FLOW: 1631.96 (M3) |
| 6 | TSP113022-58 | 02/07/2023 | 0734 | TOTAL FLOW: 1728.66 (M3) |
| 7 | PM113022-59 | 02/08/2023 | 0805 | TOTAL FLOW: 1671.29 (M3) |
| 8 | TSP113022-60 | 02/08/2023 | 0805 | TOTAL FLOW: 1675.36 (M3) |
| 9 | PM113022-61 | 02/08/2023 | 0750 | TOTAL FLOW: 1666.11 (M3) |
| 10 | TSP113022-62 | 02/08/2023 | 0750 | TOTAL FLOW: 1766.71 (M3) |
| 11 | PM113022-63 | 02/09/2023 | 0743 | TOTAL FLOW: 1629.35 (M3) |
| 12 | TSP113022-64 | 02/09/2023 | 0743 | TOTAL FLOW: 1628.33 (M3) |
| 13 | PM113022-65 | 02/09/2023 | 0730 | TOTAL FLOW: 1498.30 (M3) |
| 14 | TSP113022-66 | 02/09/2023 | 0730 | TOTAL FLOW: 1589.09 (M3) |
| 15 | PM112922-22 | 02/09/2023 | 1417 | TOTAL FLOW: 447.97 (M3) |
| 16 | TSP112922-23 | 02/09/2023 | 1417 | TOTAL FLOW: 447.38 (M3) |
| 17 | PM112922-24 | 02/09/2023 | 1408 | TOTAL FLOW: 309.48 (M3) |
| 18 | TSP112922-25 | 02/09/2023 | 1408 | TOTAL FLOW: 474.13 (M3) |

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

GES.Navy_COE_Field (15)

Date

Time

Shipping Date: / /

Received by Laboratory: (Signature, Date, Time) & co

Re: Sample Receipt Report

Mon 2/20/2023 5:41 PM

To: [REDACTED] DL - GES - ChemDM-HPNS <chemdm-hpns@ges-ais.com>

Cc: [REDACTED]

I will have these corrected and send a new Sample Receipt Report as soon as possible tomorrow.

[REDACTED]
Client Services Manager

Eurofins Built Environment Testing Analytics
10329 Stony Run Lane
Ashland, VA 23005

804-365-3000 ext. 5120

[REDACTED]
Follow Us! [Facebook](#) | [LinkedIn](#)

From: [REDACTED]

Sent: Monday, February 20, 2023 5:20 PM

To: [REDACTED] DL - GES - ChemDM-HPNS <ChemDM-HPNS@ges-ais.com>

Subject: RE: Sample Receipt Report

[REDACTED]
EXTERNAL EMAIL*

Hey [REDACTED]

Please see the updated volumes for B046-022.

Some of the volumes on the original were incorrect.

Please provide a revised sample receipt report with the correct volumes.

Our apologies for the inconvenience.

Please let me know if you have any questions.

Thank you,

Chemist I
GES | MBE
6790 S Dawson Cir
Centennial, CO 80112
Mobile | 602.989.5741

GES-AIS.COM



From: [REDACTED]
Sent: Wednesday, February 15, 2023 4:26 PM
To: DL - GES - ChemDM-HPNS <chemdm-hpns@ges-ais.com>

Subject: Sample Receipt Report

⚠ CAUTION: EXTERNAL SENDER *This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.*

Hello,

Please see attached Sample Receipt Report for samples received today.

Thank you,

[REDACTED]
Client Services Manager

Eurofins Built Environment Testing Analytics
10329 Stony Run Lane
Ashland, VA 23005

804-365-3000 ext. 5120

[REDACTED]
Follow Us! [Facebook](#) | [LinkedIn](#)

click any links or open any attachments unless you trust the sender and know that the content is safe!

COC # [REDACTED] 021423AIRC

Please use these volumes instead.
[REDACTED]
2/20/23
[REDACTED]

Gilbane Federal
[REDACTED]

2300 Clayton Road, Suite 1050, Concord, CA 94520
[REDACTED]
[REDACTED]

Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation

Project Number: J310000600

WBS Code: J310000600

| | Sample ID | Matrix | Date | Time | Comments |
|----|--------------|--------|------------|------|----------------------|
| 1 | PM113022-53 | AQ | 02/06/2023 | 0800 | |
| 2 | TSP113022-54 | AQ | 02/06/2023 | 0800 | |
| 3 | PM113022-55 | A | 02/07/2023 | 0745 | VOLUME (M3): 1625.88 |
| 4 | TSP113022-56 | A | 02/07/2023 | 0745 | VOLUME (M3): 1629.51 |
| 5 | PM113022-57 | A | 02/07/2023 | 0734 | VOLUME (M3): 1631.96 |
| 6 | TSP113022-58 | A | 02/07/2023 | 0734 | VOLUME (M3): 1728.66 |
| 7 | PM113022-59 | A | 02/08/2023 | 0805 | VOLUME (M3): 1671.29 |
| 8 | TSP113022-60 | A | 02/08/2023 | 0805 | VOLUME (M3): 1675.36 |
| 9 | PM113022-61 | A | 02/08/2023 | 0750 | VOLUME (M3): 1666.11 |
| 10 | TSP113022-62 | A | 02/08/2023 | 0750 | VOLUME (M3): 1766.71 |
| 11 | PM113022-63 | A | 02/09/2023 | 0743 | VOLUME (M3): 1627.76 |
| 12 | TSP113022-64 | A | 02/09/2023 | 0743 | VOLUME (M3): 1629.75 |
| 13 | PM113022-65 | A | 02/09/2023 | 0730 | VOLUME (M3): 1499.60 |
| 14 | TSP113022-66 | A | 02/09/2023 | 0730 | VOLUME (M3): 1590.49 |
| 15 | PM112922-22 | A | 02/09/2023 | 1417 | VOLUME (M3): 447.97 |
| 16 | TSP112922-23 | A | 02/09/2023 | 1417 | VOLUME (M3): 447.38 |
| 17 | PM112922-24 | A | 02/09/2023 | 1408 | VOLUME (M3): 446.26 |
| 18 | TSP112922-25 | A | 02/09/2023 | 1408 | VOLUME (M3): 474.14 |

Turnaround Time: 5 days



Built Environment
Analytics

Eurofins Analytics, LLC

10329 Stony Run Lane

Ashland, Va 23005

Phone: (804) 365-3000 Fax: (804) 365-3002

AIHA-LAP, LLC Accreditation ID 100531

Level 2 QA/QC Summary Report

Work Order #: B046022

Report Date: 2/21/2023

Batch ID: ICP230217A

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | |
|----------|---------|-----------|------------------|------|-----|
| | | | LCS | LCSD | RPD |
| LCS ICP2 | BLKSPK | Lead | 70.0 | 73.0 | 4 |
| LCS ICP2 | BLKSPK | Manganese | 75.0 | 79.0 | 5 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|--------|-----|-------|
| LMB ICP2 | LMB | Lead | < 14 | 14 | ug |
| LMB ICP2 | LMB | Manganese | < 98 | 98 | ug |

February 24, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B051115

Client Project ID: J310000600 PARCEL C HUNTERS PT

Received: February 20, 2023

Reported: February 24, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.

[REDACTED]
Technical Director

Enclosures

Final Report

Work Order B051115

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 02/20/23

PO Number J310000600

Client Project ID J310000600 PARCEL C
 HUNTERS PT

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115001 | Sample ID: | PM113022-43 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 0 L | 98.0 ug | | | < 98.0 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115002 | Sample ID: | PM113022-49 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 3:00:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 499450 L | 14.0 ug | | | < 14 ug | < 0.028 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 499450 L | 98.0 ug | | | < 98 ug | < 0.1962 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115003 | Sample ID: | PM113022-51 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/2/2023 3:05:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 515090 L | 14.0 ug | | | < 14 ug | < 0.0272 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 515090 L | 98.0 ug | | | < 98 ug | < 0.1903 ug/M3 |

Final Report

Work Order B051115

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115004 | Sample ID: | PM113022-53 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/6/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|--------|-----------------|-------|------|---------|---------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 0 L | 98.0 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115005 | Sample ID: | PM113022-55 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/7/2023 7:45:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1625880 L | 14.0 ug | | | < 14 ug | < 0.0086 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1625880 L | 98.0 ug | | | < 98 ug | < 0.0603 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115006 | Sample ID: | PM113022-57 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/7/2023 7:34:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1631960 L | 14.0 ug | | | < 14 ug | < 0.0086 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1631960 L | 98.0 ug | | | < 98 ug | < 0.0601 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115007 | Sample ID: | PM113022-59 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 8:05:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B051115

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115007 | Sample ID: | PM113022-59 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 8:05:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1671290 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1671290 L | 98.0 ug | | | < 98 ug | < 0.0586 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115008 | Sample ID: | PM113022-61 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/8/2023 7:50:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1666110 L | 14.0 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1666110 L | 98.0 ug | | | < 98 ug | < 0.0588 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115009 | Sample ID: | PM113022-63 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 7:43:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1627760 L | 14.0 ug | | | < 14 ug | < 0.0086 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1627760 L | 98.0 ug | | | < 98 ug | < 0.0602 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115010 | Sample ID: | PM113022-65 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 7:30:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B051115

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115010 | Sample ID: | PM113022-65 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 7:30:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1499600 L | 14.0 ug | | | < 14 ug | < 0.0093 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 1499600 L | 98.0 ug | | | < 98 ug | < 0.0654 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115011 | Sample ID: | PM112922-22 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 2:17:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 447970 L | 14.0 ug | | | < 14 ug | < 0.0313 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 447970 L | 98.0 ug | | | < 98 ug | < 0.2188 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B051115012 | Sample ID: | PM112922-24 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/9/2023 2:08:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 446260 L | 14.0 ug | | | < 14 ug | < 0.0314 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/23/23 | 446260 L | 98.0 ug | | | < 98 ug | < 0.2196 ug/M3 |

Final Report

Work Order B051115

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 021723AIRC



B051115

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | |
|--|---|
| Comments: Requesting metals testing using TSP Filters. Lab already received samples on 2/8/23 and 2/15/23. [REDACTED] 2/17/23 [REDACTED] | Code Matrix A Air AQ Air Quality Control Matrix Code Container/Preservative 1 1x Envelope, None |
| Equipment: | |

| Event: Parcel C Air Monitoring | | | | | Samp Init. | Analytical Test Method SW6010B - Air Pb Mn | 1 | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
|--------------------------------|--------|------------|------|--|------------|---|---|-------------|-------------|----------------|------|--------|----------------------|
| Sample ID | Matrix | Date | Time | | | | | | | Top - Bottom | | | |
| 1 PM113022-43 | AQ | 02/02/2023 | 0800 | | X | | | FIELDQC | FB5 | 0.00 | 0.00 | 1 | |
| 2 PM113022-49 | A | 02/02/2023 | 1500 | | X | | | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 499.45 |
| 3 PM113022-51 | A | 02/02/2023 | 1505 | | X | | | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 515.09 |
| 4 PM113022-53 | AQ | 02/06/2023 | 0800 | | X | | | FIELDQC | FB5 | 0.00 | 0.00 | 1 | |
| 5 PM113022-55 | A | 02/07/2023 | 0745 | | X | | | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 1625.88 |
| 6 PM113022-57 | A | 02/07/2023 | 0734 | | X | | | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 1631.96 |
| 7 PM113022-59 | A | 02/08/2023 | 0805 | | X | | | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 1671.29 |
| 8 PM113022-61 | A | 02/08/2023 | 0750 | | X | | | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 1666.11 |
| 9 PM113022-63 | A | 02/09/2023 | 0743 | | X | | | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 1627.76 |
| 10 PM113022-65 | A | 02/09/2023 | 0730 | | X | | | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 1499.60 |
| 11 PM112922-22 | A | 02/09/2023 | 1417 | | X | | | MSC01 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 447.97 |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|--|---------|------|--------------------------|---------|------|---|
| Samples 1-3 Shipped to Lab via FEDEX | 2/7/23 | 1400 | FEDEX | 2/7/23 | 1400 | Shipping Date: 2/7/23 FEDEX / 7711 4606 8481 Shipping Date: 2/14/23 FEDEX / 7712 2352 9928 |
| Samples 3-12 Shipped to Lab via FEDEX | 2/14/23 | 1400 | FEDEX | 2/14/23 | 1400 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | [REDACTED] | 2/10/23 | 1501 | 2/10/23 1501 re109 [REDACTED] |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 021723AIRC



| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | | | | | | | | | | Event: Parcel C Air Monitoring | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|------------|------|--|---|--|--|--|--|--|--|--|--|--------------------------------|-------------|-------------|----------------|-------|----------------------------|----------|------------------------|---|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Project Number: J310000600 | | | | POC: [REDACTED] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WBS Code: J310000600 | | | | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: Requesting metals testing using TSP Filters. Lab already received samples on 2/8/23 and 2/15/23. [REDACTED] 2/17/23 [REDACTED] | | | | <table border="1"> <tr> <td>Code</td> <td>Matrix</td> </tr> <tr> <td>A</td> <td>Air</td> </tr> <tr> <td>AQ</td> <td>Air Quality Control Matrix</td> </tr> <tr> <td>Code</td> <td>Container/Preservative</td> </tr> <tr> <td>1</td> <td>1x Envelope, None</td> </tr> </table> | | | | | | | | | | Code | Matrix | A | Air | AQ | Air Quality Control Matrix | Code | Container/Preservative | 1 | 1x Envelope, None | | | | | | | | | | | | | | | |
| Code | Matrix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Air | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AQ | Air Quality Control Matrix | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | Container/Preservative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | <table border="1"> <tr> <td>1</td> <td></td> </tr> </table> | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | Top - Bottom | | | | | | | | | | | | | | | | | | | | | |
| 12 PM112922-24 | A | 02/09/2023 | 1408 | [REDACTED] | X | | | | | | | | | | | | | MSC02 | N5 | 0.00 | 0.00 | 1 | VOLUME (M3): 446.26 | | | | | | | | | | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|--|---------|------|--------------------------|---------|------|---|
| Samples 1-3 Shipped to Lab via FEDEX | 2/7/23 | 1400 | FEDEX | 2/7/23 | 1400 | Shipping Date: 2/7/23 FEDEX / 7711 4606 8481 Shipping Date: 2/14/23 FEDEX / 7712 2352 9928 |
| Samples 3-12 Shipped to Lab via FEDEX | 2/14/23 | 1400 | FEDEX | 2/14/23 | 1400 | |
| | | | | 2/20/23 | 1501 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 2/20/23 1501 VLOG [REDACTED] |



Built Environment
Analytics

Eurofins Analytics, LLC

10329 Stony Run Lane

Ashland, Va 23005

Phone: (804) 365-3000 Fax: (804) 365-3002

AIHA-LAP, LLC Accreditation ID 100531

Level 2 QA/QC Summary Report

Work Order #: B051115

Report Date: 2/24/2023

Batch ID: ICP230221B

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | | | |
|----------|---------|-----------|------------------|-------|------------|-----|-------|
| | | | LCS | LCSD | Acceptance | RPD | Limit |
| LCS ICP2 | BLKSPK | Lead | 100.0 | 101.0 | 75-125 | 1.0 | 25 |
| LCS ICP2 | BLKSPK | Manganese | 89.0 | 89.0 | 75-125 | 0.0 | 25 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|--------|------|-------|
| LMB ICP2 | LMB | Lead | < 14.0 | 14.0 | ug |
| LMB ICP2 | LMB | Manganese | < 98.0 | 98.0 | ug |

February 28, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B054028

Client Project ID: J310000600 PARCEL C HUNTERS PT

Received: February 23, 2023

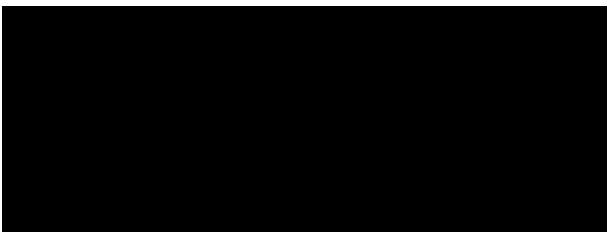
Reported: February 28, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.



Technical Director

Enclosures

Final Report
Work Order B054028

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 02/23/23

PO Number J310000600

Client Project ID J310000600 PARCEL C
 HUNTERS PT

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028001 | Sample ID: | PM112922-26 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/13/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 0 L | 1000 ug | | | < 1000 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028002 | Sample ID: | PM112922-27 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/13/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 0 L | 1000 ug | | | < 1000 ug | -- |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 0 L | 14 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 0 L | 98 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028003 | Sample ID: | PM011823-01 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/14/2023 8:00:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 1246370 L | 1000 ug | | | 28700 ug | 23 ug/M3 |

Final Report

Work Order B054028

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028004 | Sample ID: | TSP011823-02 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/14/2023 8:00:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 1663140 L | 1000 ug | | | 74900 ug | 45 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1663140 L | 14 ug | | | < 14 ug | < 0.0084 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1663140 L | 98 ug | | | < 98 ug | < 0.0589 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028005 | Sample ID: | PM0110823-03 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/14/2023 8:12:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 1642070 L | 1000 ug | | | 41200 ug | 25 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028006 | Sample ID: | TSP011823-04 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/14/2023 8:12:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 1741110 L | 1000 ug | | | 72300 ug | 42 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1741110 L | 14 ug | | | < 14 ug | < 0.008 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1741110 L | 98 ug | | | < 98 ug | < 0.0563 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028007 | Sample ID: | PM011823-05 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/15/2023 8:30:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B054028

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|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028007 | Sample ID: | PM011823-05 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/15/2023 8:30:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 1264500 L | 1000 ug | | | 8000 ug | 6 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028008 | Sample ID: | TSP011823-06 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/15/2023 8:30:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 1322670 L | 1000 ug | | | 28200 ug | 21 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1322670 L | 14 ug | | | < 14 ug | < 0.0106 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1322670 L | 98 ug | | | < 98 ug | < 0.0741 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028009 | Sample ID: | PM011823-07 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/15/2023 7:37:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 1568660 L | 1000 ug | | | 18600 ug | 12 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028010 | Sample ID: | TSP011823-08 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/15/2023 7:37:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 1523520 L | 1000 ug | | | 37400 ug | 25 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1523520 L | 14 ug | | | < 14 ug | < 0.0092 ug/M3 |

Final Report

Work Order B054028

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028010 | Sample ID: | TSP011823-08 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/15/2023 7:37:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|-----------|-----------------|-------|------|---------|----------------|
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1523520 L | 98 ug | | | < 98 ug | < 0.0643 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028011 | Sample ID: | PM011823-09 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 8:10:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 1629470 L | 1000 ug | | | 19200 ug | 12 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028012 | Sample ID: | TSP011823-10 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 8:10:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 1627750 L | 1000 ug | | | 46500 ug | 29 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1627750 L | 14 ug | | | < 14 ug | < 0.0086 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1627750 L | 98 ug | | | < 98 ug | < 0.0602 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028013 | Sample ID: | PM011823-11 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 7:45:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 1633770 L | 1000 ug | | | 19200 ug | 12 ug/M3 |

Final Report

Work Order B054028

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|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028014 | Sample ID: | TSP011823-12 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 7:45:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 1729900 L | 1000 ug | | | 29600 ug | 17 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1729900 L | 14 ug | | | < 14 ug | < 0.0081 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 1729900 L | 98 ug | | | < 98 ug | < 0.0567 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028015 | Sample ID: | PM0110823-13 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 2:35:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 426460 L | 1000 ug | | | 4500 ug | 11 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028016 | Sample ID: | TSP011823-14 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 2:35:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 424730 L | 1000 ug | | | 7000 ug | 16 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 424730 L | 14 ug | | | < 14 ug | < 0.033 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 424730 L | 98 ug | | | < 98 ug | < 0.2307 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028017 | Sample ID: | PM011823-15 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 2:25:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order **B054028**

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028017 | Sample ID: | PM011823-15 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 2:25:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 02/24/23 | 446470 L | 1000 ug | | | 5500 ug | 12 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B054028018 | Sample ID: | TSP011823-16 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/16/2023 2:25:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 02/24/23 | 472400 L | 1000 ug | | | 9000 ug | 19 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 472400 L | 14 ug | | | < 14 ug | < 0.0296 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 02/28/23 | 472400 L | 98 ug | | | < 98 ug | < 0.2075 ug/M3 |

Final Report

Work Order B054028

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 022123AIRC

B054028

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | | Code Matrix | | Page 1 of 5 | | | | | | | | | | | | |
|--------------------------------|--------------|------------------------------------|------------|-------------|------------|---|---|---|--|--|-------------|--------|----------------|------|--------|----------|
| | | AQ Air Quality Control Matrix | | | | | | | | | | | | | | |
| | | Code Container/Preservative | | | | | | | | | | | | | | |
| | | 1 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | |
| | | 1 1x Envelope, None | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | | Location ID | Sample | Depth (ft bgs) | | Cooler | Comments |
| 1 | PM112922-26 | AQ | 02/13/2023 | 0800 | | X | | | | | FIELDQC | FB2 | 0.00 | 0.00 | 1 | |
| 2 | TSP112922-27 | AQ | 02/13/2023 | 0800 | | | X | X | | | FIELDQC | FB2 | 0.00 | 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | |

| | | | | | | |
|------------------------------|---------|------|--------------------------|---------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [Redacted] | 2/21/23 | 1000 | RdGx | 2/21/23 | 1000 | Shipping Date: 2/21/2023 / FEDEX / 7712 5928 9000 |
| | | | [Redacted] | 2/23/23 | 1109 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | [Redacted] | | | 2/23/23 Custody Seal Intact [Redacted] |

**CHAIN-OF-CUSTODY
RECORD**



Gilbane Federal
██████████

2300 Clayton Road, Suite 1050, Concord, CA 94520
██████████

COC # █████ 022123AIRC

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: ██████████ | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

Comments:

| Code | Matrix |
|------|--------------------------------|
| A | Air |
| Code | Container/Preservative |
| 1 | 1x 250-mL Plastic, 4 Degrees C |
| 1 | 1x Envelope, None |

Page 2 of 5

Equipment:

Event: Parcel C Air Monitoring

| | Sample ID | Matrix | Date | Time | Samp Init. | Analytical Test Method | 1 | 1 | 1 | Location ID | Sample | Depth (ft bgs) | Cooler | Comments |
|---|--------------|--------|------------|------|------------|------------------------|---|---|---|-------------|--------|----------------|--------|----------|
| | | | | | | | | | | | Type | Top - Bottom | | |
| 1 | PM011823-01 | A | 02/14/2023 | 0800 | ██████████ | CAAIR - Air PM10 | X | | | MSC01 | N1 | 0.00 | 0.00 | 1 |
| 2 | TSP011823-02 | A | 02/14/2023 | 0800 | ██████████ | N0500 - Air TSP | | X | X | MSC01 | N1 | 0.00 | 0.00 | 1 |
| 3 | PM011823-03 | A | 02/14/2023 | 0812 | ██████████ | SW6010B - Air Pb Mn | X | | | MSC02 | N1 | 0.00 | 0.00 | 1 |
| 4 | TSP011823-04 | A | 02/14/2023 | 0812 | ██████████ | | | X | X | MSC02 | N1 | 0.00 | 0.00 | 1 |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| ██████████ | 2/21/23 | 1600 | ██████████ Fed Ex | 2/21/23 | 1600 | Shipping Date: 2/21/2023 / FEDEX / 7712 5928 9000 |
| | | | | 2/23/23 | 1109 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 2/23/23 1109 CUSTODY CLIA IS INTACT ██████████ |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 022123AIRC

| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|--|--|------|------------|-------------|-------------|----------------|--------------|--------|------------------------|---|--------------------------------|---|-------------------|-------------|
| Comments: | | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn | <table border="1"> <tr> <td>Code</td> <td>Matrix</td> </tr> <tr> <td>A</td> <td>Air</td> </tr> </table> <table border="1"> <tr> <td>Code</td> <td>Container/Preservative</td> </tr> <tr> <td>1</td> <td>1x 250-mL Plastic, 4 Degrees C</td> </tr> <tr> <td>1</td> <td>1x Envelope, None</td> </tr> </table> | | | Code | Matrix | A | Air | Code | Container/Preservative | 1 | 1x 250-mL Plastic, 4 Degrees C | 1 | 1x Envelope, None | Page 3 of 5 |
| Code | Matrix | | | | | | | | | | | | | | | |
| A | Air | | | | | | | | | | | | | | | |
| Code | Container/Preservative | | | | | | | | | | | | | | | |
| 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | 1 | 1 | 1 | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments | | | | | |
| 1 | PM011823-05 | A | 02/15/2023 | 0830 | [REDACTED] | MSC01 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| 2 | TSP011823-06 | A | 02/15/2023 | 0830 | X X | MSC01 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| 3 | PM011823-07 | A | 02/15/2023 | 0737 | X | MSC02 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| 4 | TSP011823-08 | A | 02/15/2023 | 0737 | X X | MSC02 | N1 | 0.00 | 0.00 | 1 | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|------|------|--------------------------|---------|------|---|
| | | | [REDACTED] | 2123123 | 1109 | Shipping Date: 2/21/2023 / FEDEX / 7712 5928 9000 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 2123123 1109 CUSTODY SEALS INTACT [REDACTED] |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # **[REDACTED]022123AIRC**



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | Analytical Test Method | Code | Matrix | Page 4 of 5 | | | | | | | | | | | | | | |
|--------------------------------|------------------------|------------------------|--------------------------------|-------------|------------|---|---|---|--|--|--|--|-------------|-------------|----------------|------|--------|----------|
| | | A | Air | | | | | | | | | | | | | | | |
| Equipment: | Code | Container/Preservative | | | | | | | | | | | | | | | | |
| | | 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | |
| | | 1 | 1x Envelope, None | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| 1 | PM011823-09 | A | 02/16/2023 | 0810 | [REDACTED] | X | | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 | TSP011823-10 | A | 02/16/2023 | 0810 | [REDACTED] | | X | X | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 | PM011823-11 | A | 02/16/2023 | 0745 | [REDACTED] | X | | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 | TSP011823-12 | A | 02/16/2023 | 0745 | [REDACTED] | | X | X | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|---|------|------|--------------------------|---------|------|---|
| | | | [REDACTED] | 2/23/23 | 1109 | Shipping Date: 2/21/2023 / FEDEX / 7712 5928 9000 |
| Received by Laboratory: (Signature, Date, Time) & condition | | | | | | |
| 2/23/23 1109 Custody seal intact [REDACTED] | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 022123AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

Comments:

| | |
|------|--------------------------------|
| Code | Matrix |
| A | Air |
| Code | Container/Preservative |
| 1 | 1x 250-mL Plastic, 4 Degrees C |
| 1 | 1x Envelope, None |

Page 5 of 5

Equipment:

Analytical Test Method
CAAIR - Air PM10
N0500 - Air TSP
SW6010B - Air Pb Mn

Event: Parcel C Air Monitoring

1 1 1

| Sample ID | Matrix | Date | Time | Samp Init. | [REDACTED] | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments | |
|----------------|--------|------------|------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|----------------|------|--------|----------|--|
| | | | | | | | | | | | | | | Top - Bottom | | | | |
| 1 PM011823-13 | A | 02/16/2023 | 1435 | [REDACTED] | X | | | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 TSP011823-14 | A | 02/16/2023 | 1435 | [REDACTED] | X X | | | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 PM011823-15 | A | 02/16/2023 | 1425 | [REDACTED] | X | | | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 TSP011823-16 | A | 02/16/2023 | 1425 | [REDACTED] | X X | | | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 2/21/23 | 1600 | FedEx | 2/21/23 | 1600 | Shipping Date: 2/21/2023 / FEDEX / 7712 5928 9000 |
| | | | [REDACTED] | 2/23/23 | 1109 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | [REDACTED] | 2/23/23 | 1109 | Custody Seal Intact |

| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Event: Parcel C Air Monitoring | |
|--|--------------|--------|------------|--------------------------------|----------------------|
| Project Number: J310000600 | | | | | |
| WBS Code: J310000600 | | | | | |
| | Sample ID | Matrix | Date | Time | Comments |
| 1 | PM112922-26 | AQ | 02/13/2023 | 0800 | VOLUME: NA (M3) |
| 2 | TSP112922-27 | AQ | 02/13/2023 | 0800 | VOLUME: NA (M3) |
| 3 | PM011823-01 | A | 02/14/2023 | 0800 | VOLUME: 1246.37 (M3) |
| 4 | TSP011823-02 | A | 02/14/2023 | 0800 | VOLUME: 1663.14 (M3) |
| 5 | PM011823-03 | A | 02/14/2023 | 0812 | VOLUME: 1642.07 (M3) |
| 6 | TSP011823-04 | A | 02/14/2023 | 0812 | VOLUME: 1741.11 (M3) |
| 7 | PM011823-05 | A | 02/15/2023 | 0830 | VOLUME: 1264.50 (M3) |
| 8 | TSP011823-06 | A | 02/15/2023 | 0830 | VOLUME: 1322.67 (M3) |
| 9 | PM011823-07 | A | 02/15/2023 | 0737 | VOLUME: 1568.66 (M3) |
| 10 | TSP011823-08 | A | 02/15/2023 | 0737 | VOLUME: 1523.52 (M3) |
| 11 | PM011823-09 | A | 02/16/2023 | 0810 | VOLUME: 1629.47 (M3) |
| 12 | TSP011823-10 | A | 02/16/2023 | 0810 | VOLUME: 1627.75 (M3) |
| 13 | PM011823-11 | A | 02/16/2023 | 0745 | VOLUME: 1633.77 (M3) |
| 14 | TSP011823-12 | A | 02/16/2023 | 0745 | VOLUME: 1729.90 (M3) |
| 15 | PM011823-13 | A | 02/16/2023 | 1435 | VOLUME: 426.46 (M3) |
| 16 | TSP011823-14 | A | 02/16/2023 | 1435 | VOLUME: 424.73 (M3) |
| 17 | PM011823-15 | A | 02/16/2023 | 1425 | VOLUME: 446.47 (M3) |
| 18 | TSP011823-16 | A | 02/16/2023 | 1425 | VOLUME: 472.40 (M3) |



Level 2 QA/QC Summary Report

Work Order #: B054028

Report Date: 2/28/2023

Batch ID: ICP230224B

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | | | |
|----------|---------|-----------|------------------|------|------------|-----|-------|
| | | | LCS | LCSD | Acceptance | RPD | Limit |
| LCS ICP2 | BLKSPK | Copper | 93.0 | 96.0 | 75-125 | 4.0 | 25 |
| LCS ICP2 | BLKSPK | Lead | 96.0 | 99.0 | 75-125 | 2.0 | 25 |
| LCS ICP2 | BLKSPK | Manganese | 91.0 | 96.0 | 75-125 | 5.0 | 25 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|---------|-----|-------|
| LMB ICP2 | LMB | Copper | .802429 | | |
| LMB ICP2 | LMB | Lead | < 14 | 14 | ug |
| LMB ICP2 | LMB | Manganese | < 98 | 98 | ug |

March 7, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B060006

Client Project ID: J310000600 PARCEL C HUNTERS PT

Received: March 1, 2023

Reported: March 7, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.

[REDACTED]
Technical Director

Enclosures

Final Report

Work Order B060006

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 03/01/23

PO Number J310000600

Client Project ID J310000600 PARCEL C
 HUNTERS PT

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006001 | Sample ID: | PM113022-67 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/20/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 0 L | 1000 ug | | | < 1000 ug | -- |

| | | | | | | | | |
|---------|------------|------------|---------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006002 | Sample ID: | TPSP012323-01 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/20/2023 8:00:00 AM |
|---------|------------|------------|---------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 0 L | 1000 ug | | | < 1000 ug | -- |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | NVG L | 14 ug | | | < 14 ug | -- |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | NVG L | 98 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006003 | Sample ID: | PM012323-02 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/21/2023 6:59:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 1637360 L | 1000 ug | | | 36000 ug | 22 ug/M3 |

Final Report

Work Order B060006

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006004 | Sample ID: | TSP012323-03 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/21/2023 6:59:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 1649300 L | 1000 ug | | | 59500 ug | 36 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 1649300 L | 14 ug | | | < 14 ug | < 0.008 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 1649300 L | 98 ug | | | < 98 ug | < 0.059 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006005 | Sample ID: | PM012323-04 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/21/2023 6:52:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 1613800 L | 1000 ug | | | 43200 ug | 27 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006006 | Sample ID: | TSP012323-05 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/21/2023 6:52:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 1715450 L | 1000 ug | | | 61000 ug | 36 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 1715450 L | 14 ug | | | < 14 ug | < 0.008 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 1715450 L | 98 ug | | | < 98 ug | < 0.057 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006007 | Sample ID: | PM012323-06 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/22/2023 7:17:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 1644550 L | 1000 ug | | | 39300 ug | 24 ug/M3 |

Final Report

Work Order B060006

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006008 | Sample ID: | TSP012323-07 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/22/2023 7:17:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 1677340 L | 1000 ug | | | 69000 ug | 41 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 1677340 L | 14 ug | | | < 14 ug | < 0.008 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 1677340 L | 98 ug | | | < 98 ug | < 0.058 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006009 | Sample ID: | PM012323-08 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/22/2023 7:08:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 1642960 L | 1000 ug | | | 70100 ug | 43 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006010 | Sample ID: | TSP012323-09 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/22/2023 7:08:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 732840 L | 1000 ug | | | 88800 ug | 121 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 732840 L | 14 ug | | | 22.6 ug | 0.031 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 732840 L | 98 ug | | | < 98 ug | < 0.134 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006011 | Sample ID: | PM012323-10 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 7:06:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 1623560 L | 1000 ug | | | 13900 ug | 9 ug/M3 |

Final Report

Work Order B060006

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006012 | Sample ID: | TSP012323-11 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 7:06:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 1631810 L | 1000 ug | | | 31400 ug | 19 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 1631810 L | 14 ug | | | < 14 ug | < 0.009 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 1631810 L | 98 ug | | | < 98 ug | < 0.06 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006013 | Sample ID: | PM012323-12 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 6:53:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 1597080 L | 1000 ug | | | 18000 ug | 11 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006014 | Sample ID: | TSP011823-17 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 6:53:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 1676160 L | 1000 ug | | | 31800 ug | 19 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 1676160 L | 14 ug | | | < 14 ug | < 0.008 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 1676160 L | 98 ug | | | < 98 ug | < 0.058 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006015 | Sample ID: | PM011823-18 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 3:15:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 557830 L | 1000 ug | | | 3800 ug | 7 ug/M3 |

Final Report

Work Order B060006

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006016 | Sample ID: | TSP011823-19 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 3:15:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|----------|-----------------|-------|------|----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 557120 L | 1000 ug | | | 10300 ug | 18 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 557120 L | 14 ug | | | < 14 ug | < 0.025 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 557120 L | 98 ug | | | < 98 ug | < 0.176 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006017 | Sample ID: | PM011823-20 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 3:07:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/02/23 | 550560 L | 1000 ug | | | 3900 ug | 7 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B060006018 | Sample ID: | TSP011823-21 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/23/2023 3:07:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|---------------------------|---------------|----------|-----------------|-------|------|---------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/02/23 | 585020 L | 1000 ug | | | 6000 ug | 10 ug/M3 |
| Lead | 40 CFR Part 50 Appendix G | 03/03/23 | 585020 L | 14 ug | | | < 14 ug | < 0.024 ug/M3 |
| Manganese | 40 CFR Part 50 Appendix G | 03/03/23 | 585020 L | 98 ug | | | < 98 ug | < 0.168 ug/M3 |

Final Report

Work Order B060006

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 022823AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

Comments:

| Code | Matrix |
|------|----------------------------|
| AQ | Air Quality Control Matrix |

| Code | Container/Preservative |
|------|--------------------------------|
| 1 | 1x 250-mL Plastic, 4 Degrees C |
| 1 | 1x Envelope, None |

Page 1 of 5

Equipment:

| Analytical Test Method | CAAIR - Air PM10 | N0500 - Air TSP | SW6010B - Air Pb Mn | | | | | |
|------------------------|------------------|-----------------|---------------------|--|--|--|--|--|
| | | | | | | | | |

Event: Parcel C Air Monitoring

| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | Location ID | Sample Type | Depth (ft bgs) | | Comments |
|---|--------------|--------|------------|------|------------|--|--|--|--|-------------|--------------|----------------|--------|----------|
| | | | | | | | | | | | Top - Bottom | | Cooler | |
| 1 | PM113022-67 | AQ | 02/20/2023 | 0800 | X | | | | | FIELDQC | FB1 | 0.00 | 0.00 | 1 |
| 2 | TSP012323-01 | AQ | 02/20/2023 | 0800 | X X | | | | | FIELDQC | FB1 | 0.00 | 0.00 | 1 |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|---|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 2/28/23 | 1400 | FedEx | 2/28/23 | 1400 | Shipping Date: 2/28/2023 / FEDEX / 7713 2885 4781 |
| <hr/> | | | | | | |
| Received by Laboratory: (Signature, Date, Time) & condition | | | | | | |
| 31/1/23 1342 Custody Seals Intact [REDACTED] | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 022823AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | Code Matrix | Page 2 of 5 | | | | | | | | | | | | | | |
|--------------------------------|------------------------------------|-------------|------------|------|------------|---|---|---|--|--|-------------|-------------|----------------|--------------|--------|----------|
| | A Air | | | | | | | | | | | | | | | |
| | Code Container/Preservative | | | | | | | | | | | | | | | |
| | 1 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | |
| | 1 1x Envelope, None | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments |
| 1 | PM012323-02 | A | 02/21/2023 | 0659 | | X | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 | TSP012323-03 | A | 02/21/2023 | 0659 | | | X | X | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 | PM012323-04 | A | 02/21/2023 | 0652 | | | X | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 | TSP012323-05 | A | 02/21/2023 | 0652 | | | X | X | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| | 2/28/23 | 1400 | Fedex | 2/28/23 | 1400 | Shipping Date: 2/28/2023 / FEDEX / 7713 2885 4781 |
| | | | | 3/1/23 | 1342 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | 3/1/23 CUSTODY Seal intact |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

██████████
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # ██████████022823AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: ██████████ | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | |
|--------------------------------|------------------------------------|-------------|------|------------|-------------|-------------|----------------|--------|----------|
| Comments: | Code Matrix | Page 3 of 5 | | | | | | | |
| | A Air | | | | | | | | |
| | Code Container/Preservative | | | | | | | | |
| Equipment: | 1 1x 250-mL Plastic, 4 Degrees C | | | | | | | | |
| Event: Parcel C Air Monitoring | 1 1 1 | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| 1 PM012323-06 | A | 02/22/2023 | 0717 | X | MSC01 | N1 | 0.00 0.00 | 1 | |
| 2 TSP012323-07 | A | 02/22/2023 | 0717 | X X | MSC01 | N1 | 0.00 0.00 | 1 | |
| 3 PM012323-08 | A | 02/22/2023 | 0708 | X | MSC02 | N1 | 0.00 0.00 | 1 | |
| 4 TSP012323-09 | A | 02/22/2023 | 0708 | X X | MSC02 | N1 | 0.00 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| ██████████ | 2/28/23 | 1400 | Fedex | 2/28/23 | 1400 | Shipping Date: 2/28/2023 / FEDEX / 7713 2885 4781 |
| ██████████ | | | ██████████ | 3/1/23 | 1342 | Received by Laboratory: (Signature, Date, Time) & condition |
| ██████████ | | | ██████████ | | | 3/1/23 custody seal intact ██████████ |
| GES.Navy_CO.C_Field | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 022823AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | Code Matrix | Page 4 of 5 | | | | | | | | | | | | |
|--------------------------------|------------------------------------|-------------|------------|------|------------|---|-----|--|--|-------------|-------------|----------------|--------|----------|
| | A Air | | | | | | | | | | | | | |
| | Code Container/Preservative | | | | | | | | | | | | | |
| | 1 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | |
| | 1 1x Envelope, None | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | 1 1 1 | | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments |
| 1 | PM012323-10 | A | 02/23/2023 | 0706 | [REDACTED] | X | | | | MSC01 | N1 | 0.00 0.00 | 1 | |
| 2 | TSP012323-11 | A | 02/23/2023 | 0706 | [REDACTED] | | X X | | | MSC01 | N1 | 0.00 0.00 | 1 | |
| 3 | PM012323-12 | A | 02/23/2023 | 0653 | [REDACTED] | X | | | | MSC02 | N1 | 0.00 0.00 | 1 | |
| 4 | TSP011823-17 | A | 02/23/2023 | 0653 | [REDACTED] | | X X | | | MSC02 | N1 | 0.00 0.00 | 1 | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 2/28/23 | 1400 | Fedex | 2/28/23 | 1400 | Shipping Date: 2/28/2023 / FEDEX / 7713 2885 4781 |
| [REDACTED] | | | [REDACTED] | 3/1/23 | 1342 | Received by Laboratory: (Signature, Date, Time) & condition |
| [REDACTED] | | | [REDACTED] | | | 311123 CUSTODY 1342 seal intact [REDACTED] |
| | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 022823AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| | | | | | | | | | | | | | | |
|--------------------------------|--------|------------------------------------|------|-------------|-----|--|--|--|-------------|-------------|----------------|--------|----------|--|
| Comments: | | Code Matrix | | Page 5 of 5 | | | | | | | | | | |
| | | A Air | | | | | | | | | | | | |
| | | Code Container/Preservative | | | | | | | | | | | | |
| | | 1 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | |
| Equipment: | | 1 1x Envelope, None | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | Location ID | Sample Type | Depth (ft bgs) | Cooler | Comments | |
| 1 PM011823-18 | A | 02/23/2023 | 1515 | [REDACTED] | X | | | | MSC01 | N1 | 0.00 0.00 | 1 | | |
| 2 TSP011823-19 | A | 02/23/2023 | 1515 | [REDACTED] | X X | | | | MSC01 | N1 | 0.00 0.00 | 1 | | |
| 3 PM011823-20 | A | 02/23/2023 | 1507 | [REDACTED] | X | | | | MSC02 | N1 | 0.00 0.00 | 1 | | |
| 4 TSP011823-21 | A | 02/23/2023 | 1507 | [REDACTED] | X X | | | | MSC02 | N1 | 0.00 0.00 | 1 | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|---|
| [REDACTED] | 2/28/23 | 1400 | FedEx | 2/28/23 | 1400 | Shipping Date: 2/28/2023 / FEDEX / 7713 2885 4781 |
| [REDACTED] | | | [REDACTED] | 3/1/23 | 1342 | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | |
| | | | | | | |

COC # [REDACTED]022823AIRC



| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | | | | Event: Parcel C Air Monitoring | |
|--|--------------|--------|------------|--------------------------------|----------------------|
| Project Number: J310000600 | | | | | |
| WBS Code: J310000600 | | | | | |
| | Sample ID | Matrix | Date | Time | Comments |
| 1 | PM113022-67 | AQ | 02/20/2023 | 0800 | VOLUME (M3): NA |
| 2 | TSP012323-01 | AQ | 02/20/2023 | 0800 | VOLUME (M3): NA |
| 3 | PM012323-02 | A | 02/21/2023 | 0659 | VOLUME (M3): 1637.36 |
| 4 | TSP012323-03 | A | 02/21/2023 | 0659 | VOLUME (M3): 1649.30 |
| 5 | PM012323-04 | A | 02/21/2023 | 0652 | VOLUME (M3): 1613.80 |
| 6 | TSP012323-05 | A | 02/21/2023 | 0652 | VOLUME (M3): 1715.45 |
| 7 | PM012323-06 | A | 02/22/2023 | 0717 | VOLUME (M3): 1644.55 |
| 8 | TSP012323-07 | A | 02/22/2023 | 0717 | VOLUME (M3): 1677.34 |
| 9 | PM012323-08 | A | 02/22/2023 | 0708 | VOLUME (M3): 1642.96 |
| 10 | TSP012323-09 | A | 02/22/2023 | 0708 | VOLUME (M3): 732.84 |
| 11 | PM012323-10 | A | 02/23/2023 | 0706 | VOLUME (M3): 1623.56 |
| 12 | TSP012323-11 | A | 02/23/2023 | 0706 | VOLUME (M3): 1631.81 |
| 13 | PM012323-12 | A | 02/23/2023 | 0653 | VOLUME (M3): 1597.08 |
| 14 | TSP011823-17 | A | 02/23/2023 | 0653 | VOLUME (M3): 1676.16 |
| 15 | PM011823-18 | A | 02/23/2023 | 1515 | VOLUME (M3): 557.83 |
| 16 | TSP011823-19 | A | 02/23/2023 | 1515 | VOLUME (M3): 557.12 |
| 17 | PM011823-20 | A | 02/23/2023 | 1507 | VOLUME (M3): 550.56 |
| 18 | TSP011823-21 | A | 02/23/2023 | 1507 | VOLUME (M3): 585.02 |



Level 2 QA/QC Summary Report

Work Order #: B060006

Report Date: 3/7/2023

Batch ID: ICP230303A

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | | | |
|----------|---------|-----------|------------------|------|------------|-----|-------|
| | | | LCS | LCSD | Acceptance | RPD | Limit |
| LCS ICP2 | BLKSPK | Lead | 88.0 | 88.0 | 75-125 | 0.0 | 25 |
| LCS ICP2 | BLKSPK | Manganese | 86.0 | 86.0 | 75-125 | 0.0 | 25 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|--------|-----|-------|
| LMB ICP2 | LMB | Lead | < 14 | 14 | ug |
| LMB ICP2 | LMB | Manganese | < 98 | 98 | ug |

March 14, 2023

[REDACTED]
AIS-GES, LLC
1501 W. FOUNTAINHEAD PKWY,
#550
TEMPE, AZ 85282

Laboratory Workorder ID: B067016

Client Project ID: J310000600 PARCEL C HUNTERS PT

Received: March 8, 2023

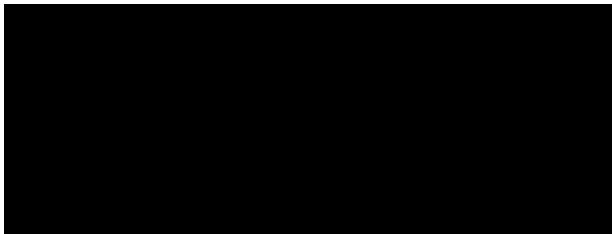
Reported: March 14, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the manufacturer's listed sampling rate for each compound. Results provided in this report relate only to the items tested.

For blanks and non-detects the results indicated with a '<' value represents the reporting limit for the analysis. Unless otherwise noted results are not corrected for blank values.

Unless the signature of the appropriate manager(s) appears on this report, this report should be considered PRELIMINARY and is subject to change.

We appreciate your confidence in allowing Analytics to be your testing laboratory. Any questions regarding this report can be addressed by calling our customer services department at (800) 888-8061.



Technical Director

Enclosures

Final Report
Work Order B067016

AIS-GES, LLC
 1501 W. FOUNTAINHEAD PKWY,
 #550
 TEMPE, AZ 85282

Customer: PARCEL1
 Attention: [REDACTED]

Date Received: 03/08/23

PO Number J310000600

Client Project ID J310000600 PARCEL C
 HUNTERS PT

| | | | | | | | | |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B067016001 | Sample ID: | PM012023-15 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/27/2023 8:00:00 AM |
|---------|------------|------------|-------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/09/23 | 0 L | 1000 ug | | | < 1000 ug | -- |

| | | | | | | | | |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|----------------------|
| Lab ID: | B067016002 | Sample ID: | TPS020323-35 | FIELDQC | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 2/27/2023 8:00:00 AM |
|---------|------------|------------|--------------|---------|--------|-----------------------|--------------|----------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|--------|-----------------|-------|------|-----------|---------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/09/23 | 0 L | 1000 ug | | | < 1000 ug | -- |
| Lead | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 0 L | 14.0 ug | | | < 14 ug | -- |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 0 L | 98.0 ug | | | < 98 ug | -- |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016003 | Sample ID: | PM013023-17 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 7:18:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/09/23 | 1634240 L | 1000 ug | | | 32600 ug | 20 ug/M3 |

Final Report

Work Order B067016

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016004 | Sample ID: | TSP013023-18 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 7:18:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/09/23 | 1630460 L | 1000 ug | | | 29600 ug | 18 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 1630460 L | 14.0 ug | | | < 14 ug | < 0.0086 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 1630460 L | 98.0 ug | | | < 98 ug | < 0.0601 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016005 | Sample ID: | PM013023-19 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 7:06:00 AM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|-----------|-----------------|-------|------|----------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/09/23 | 1606970 L | 1000 ug | | | 21700 ug | 14 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016006 | Sample ID: | TSP013023-20 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 7:06:00 AM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|-----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/09/23 | 1707280 L | 1000 ug | | | 23200 ug | 14 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 1707280 L | 14.0 ug | | | < 14 ug | < 0.0082 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 1707280 L | 98.0 ug | | | < 98 ug | < 0.0574 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016007 | Sample ID: | PM013123-51 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 2:26:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|
|---------|--------|---------------|--------|-----------------|-------|------|-------|---------------|

Final Report

Work Order B067016

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016007 | Sample ID: | PM013123-51 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 2:26:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/09/23 | 482000 L | 1000 ug | | | 2400 ug | 5 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016008 | Sample ID: | TSP013123-52 | MSC01 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 2:26:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/09/23 | 480870 L | 1000 ug | | | 9900 ug | 21 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 480870 L | 14.0 ug | | | < 14 ug | < 0.0291 ug/M3 |
| Manganese | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 480870 L | 98.0 ug | | | < 98 ug | < 0.2038 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016009 | Sample ID: | PM013123-53 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 2:16:00 PM |
|---------|------------|------------|-------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-------------------|---------------|---------------|----------|-----------------|-------|------|---------|---------------|
| PM10 Particulates | 40CFR50 App.J | 03/09/23 | 480380 L | 1000 ug | | | 7400 ug | 15 ug/M3 |

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016010 | Sample ID: | TSP013123-54 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 2:16:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|------------------------------|-----------------------------|---------------|----------|-----------------|-------|------|----------|----------------|
| Total Suspended Particulates | 40CFR50 App.B | 03/09/23 | 514500 L | 1000 ug | | | 12700 ug | 25 ug/M3 |
| Lead | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 514500 L | 14.0 ug | | | < 14 ug | < 0.0272 ug/M3 |

Final Report

Work Order B067016

| | | | | | | | | |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|
| Lab ID: | B067016010 | Sample ID: | TSP013123-54 | MSC02 | Media: | 8X10 PREWEIGHED GLASS | Sample Date: | 3/2/2023 2:16:00 PM |
|---------|------------|------------|--------------|-------|--------|-----------------------|--------------|---------------------|

| Analyte | Method | Analysis Date | Volume | Reporting Limit | Front | Rear | Total | Concentration |
|-----------|-----------------------------|---------------|----------|-----------------|-------|------|---------|----------------|
| Manganese | 40CFR50App.G Mod./EPA 6010B | 03/13/23 | 514500 L | 98.0 ug | | | < 98 ug | < 0.1905 ug/M3 |

Final Report

Work Order B067016

General Laboratory Comments

Abbreviations:

ug = micrograms; mg=milligrams; g = grams, ppm=parts per million (volume), ppb = parts per billion (volume), mg/M3=milligrams per cubic meter of air, ug/M3=micrograms per cubic meter of air; Min=minutes, Qual=Qualifiers

B067016

CUSTODY

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 030723AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | | | | | Analytical Test Method CAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn XXXXXXXXXX X X X X X X X X X X X X X X | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Code</td> <td style="padding: 2px;">Matrix</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">Air</td> </tr> <tr> <td style="padding: 2px;">AQ</td> <td style="padding: 2px;">Air Quality Control Matrix</td> </tr> <tr> <td colspan="2" style="padding: 2px;">Container/Preservative</td> </tr> <tr> <td style="padding: 2px;">1</td> <td style="padding: 2px;">1x 250-mL Plastic, 4 Degrees C</td> </tr> <tr> <td style="padding: 2px;">1</td> <td style="padding: 2px;">1x Envelope, None</td> </tr> </table> | | | | Code | Matrix | A | Air | AQ | Air Quality Control Matrix | Container/Preservative | | 1 | 1x 250-mL Plastic, 4 Degrees C | 1 | 1x Envelope, None |
|--------------------------------|--------------------------------|--------|------------|------|---|--|---|-------------|----------------|--------|----------|---|-----|----|----------------------------|------------------------|--|---|--------------------------------|---|-------------------|
| Code | Matrix | | | | | | | | | | | | | | | | | | | | |
| A | Air | | | | | | | | | | | | | | | | | | | | |
| AQ | Air Quality Control Matrix | | | | | | | | | | | | | | | | | | | | |
| Container/Preservative | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | | | | | | |
| 1 | 1x Envelope, None | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Equipment: | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | Location ID | | Sample Type | Depth (ft bgs) | Cooler | Comments | | | | | | | | | | |
| 1 | PM012023-15 | AQ | 02/27/2023 | 0800 | X | FIELDQC | | FB2 | 0.00 | 0.00 | 1 | | | | | | | | | | |
| 2 | TSP020323-35 | AQ | 02/27/2023 | 0800 | | FIELDQC | | FB2 | 0.00 | 0.00 | 1 | | | | | | | | | | |
| 3 | PM013023-13 | A | 02/28/2023 | | X | MSC01 | | N1 | 0.00 | 0.00 | 1 | | | | | | | | | | |
| 4 | TSP013023-14 | A | 02/28/2023 | | X X | MSC01 | | N1 | 0.00 | 0.00 | 1 | | | | | | | | | | |
| 5 | PM013023-15 | A | 02/28/2023 | | X | MSC02 | | N1 | 0.00 | 0.00 | 1 | | | | | | | | | | |
| 6 | TSP013023-16 | A | 02/28/2023 | | X X | MSC02 | | N1 | 0.00 | 0.00 | 1 | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|---|--------|------|--------------------------|--------|------|--|
| [REDACTED] | 3/7/23 | 1400 | FedEx | 3/7/23 | 1400 | Shipping Date: 3/7/2023 / FEDEX / 7714 1446 8030 |
| [REDACTED] | | | | | | |
| Received by Laboratory: (Signature, Date, Time) & condition | | | | | | |
| Custody Seal Intact - [REDACTED] | | | | | | |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 030723AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | Code | Matrix | | | | | | | | | | | | | | | | | |
|--------------------------------|--------|--------------------------------|------|------------|------------------------|---|---|---|--|--|--|--|--|-------------|-------------|----------------|--------------|--------|----------|
| | A | Air | | | | | | | | | | | | | | | | | |
| Equipment: | Code | Container/Preservative | | | | | | | | | | | | | | | | | |
| | 1 | 1x 250-mL Plastic, 4 Degrees C | | | | | | | | | | | | | | | | | |
| | 1 | 1x Envelope, None | | | | | | | | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | | | | | | | | | | | | | | | |
| Sample ID | Matrix | Date | Time | Samp Init. | Analytical Test Method | 1 | 1 | 1 | | | | | | Location ID | Sample Type | Depth (ft bgs) | Top - Bottom | Cooler | Comments |
| 1 PM013023-17 | A | 03/02/2023 | 0718 | [REDACTED] | CAAIR - Air PM10 | X | | | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 2 TSP013023-18 | A | 03/02/2023 | 0718 | [REDACTED] | N0500 - Air TSP | X | X | | | | | | | MSC01 | N1 | 0.00 | 0.00 | 1 | |
| 3 PM013023-19 | A | 03/02/2023 | 0706 | [REDACTED] | SW6010B - Air Pb Mn | X | | | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 4 TSP013023-20 | A | 03/02/2023 | 0706 | [REDACTED] | | X | X | | | | | | | MSC02 | N1 | 0.00 | 0.00 | 1 | |
| 5 | | | | | | | | | | | | | | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|------------------------------|--------|------|--------------------------|--------|------|---|
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
| [REDACTED] | 3/7/23 | 1400 | Fedex | 3/7/23 | 1400 | Shipping Date: 3/7/2023 / FEDEX / 7714 1446 8030 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | Custody Seal Intact - [REDACTED] |
| | | | | | | 3/8/23 11:30am |

**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # [REDACTED] 030723AIRC



| | | |
|--|---|--------------------------------|
| Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation | Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA | Event: Parcel C Air Monitoring |
| Project Number: J310000600 | POC: [REDACTED] | |
| WBS Code: J310000600 | Ship to: 10329 Stony Run Lane, Ashland, VA 23005 | |

| Comments: | | | | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn | Code Matrix A Air Code Container/Preservative 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None | | | | | |
|--------------------------------|--------------|--------|------------|--|--|------------|-------------|-------------|--------------------------------|------------|
| Equipment: | | | | | | | | | | |
| Event: Parcel C Air Monitoring | | | | | 1 1 1 | | | | | |
| | Sample ID | Matrix | Date | | Time | Samp Init. | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler |
| 1 | PM013123-51 | A | 03/02/2023 | 1426 | X | MSC01 | N1 | 0.00 0.00 | 1 | [REDACTED] |
| 2 | TSP013123-52 | A | 03/02/2023 | 1426 | X X | MSC01 | N1 | 0.00 0.00 | 1 | [REDACTED] |
| 3 | PM013123-53 | A | 03/02/2023 | 1416 | X | MSC02 | N1 | 0.00 0.00 | 1 | [REDACTED] |
| 4 | TSP013123-54 | A | 03/02/2023 | 1416 | X X | MSC02 | N1 | 0.00 0.00 | 1 | [REDACTED] |
| 5 | | | | | | | | | | |
| Turnaround Time: 5 days | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|------|--------------------------|--------|------|---|
| [REDACTED] | 3/7/23 | 1400 | Fedex | 3/7/23 | 1400 | Shipping Date: 3/7/2023 / FEDEX / 7714 1446 8030 |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |
| | | | | | | |
| | | | | | | |

COC # ■■■030723AIRC



Project Name: Hunters Point Shipyard, Parcel C Removal Site Evaluation

Event: Parcel C

Project Number: J310000600

Air Monitoring

WBS Code: J310000600

| | Sample ID | Comments |
|----|--------------|----------------------|
| 1 | PM012023-15 | |
| 2 | TSP020323-35 | |
| 3 | PM013023-17 | VOLUME (M3): 1634.24 |
| 4 | TSP013023-18 | VOLUME (M3): 1630.46 |
| 5 | PM013023-19 | VOLUME (M3): 1606.97 |
| 6 | TSP013023-20 | VOLUME (M3): 1707.28 |
| 7 | PM013123-51 | VOLUME (M3): 482.00 |
| 8 | TSP013123-52 | VOLUME (M3): 480.87 |
| 9 | PM013123-53 | VOLUME (M3): 480.38 |
| 10 | TSP013123-54 | VOLUME (M3): 514.50 |

Relinquished by: *(Signature)*

Date

Time

Received by: *(Signature)*

AIR_VOLUME_KT030723AIRC

Date

Time

Shipping Date: / /

Received by Laboratory: *(Signature, Date, Time)* & co



Built Environment
Analytics

Eurofins Analytics, LLC

10329 Stony Run Lane

Ashland, Va 23005

Phone: (804) 365-3000 Fax: (804) 365-3002

AIHA-LAP, LLC Accreditation ID 100531

Level 2 QA/QC Summary Report

Work Order #: B067016

Report Date: 3/14/2023

Batch ID: ICP230309C

Blank Spike Results

| QC ID | QC Type | Parameter | Percent Recovery | | | | |
|----------|---------|-----------|------------------|------|------------|-----|-------|
| | | | LCS | LCSD | Acceptance | RPD | Limit |
| LCS ICP2 | BLKSPK | Lead | 94.0 | 97.0 | 75-125 | 2.0 | 25 |
| LCS ICP2 | BLKSPK | Manganese | 96.0 | 98.0 | 75-125 | 1.0 | 25 |

Method Blank Results

| QC ID | QC Type | Parameter | Result | LOD | Units |
|----------|---------|-----------|--------|------|-------|
| LMB ICP2 | LMB | Lead | < 14.0 | 14.0 | ug |
| LMB ICP2 | LMB | Manganese | < 98.0 | 98.0 | ug |