

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

AIR MONITORING SUMMARY REPORT FOR PARCEL E REMEDIAL ACTION PHASE 2

HUNTERS POINT NAVAL SHIPYARD, SAN FRANCISCO, CALIFORNIA

May 1st, 2021 through May 31st, 2021

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DCN: GLBN-0005-4332-0064



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Department of the Navy Naval Facilities Engineering Systems Command Southwest BRAC PMO West 33000 Nixie Way, Bldg, 50 San Diego, CA 92147



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Contract Number: N62473-17-D-0005; Task Order No. N6247317F4332

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Acronyms and Abbreviations

| AMSR | Air Monitoring Summary Report |
|-----------------------|--|
| | California Occupational Safety and Health Administration |
| Cfm | cubic feet per minute |
| CFR | Code of Federal Regulations |
| СТО | Contract Task Order |
| DMCP | Dust Monitoring and Control Plan |
| DTSC | State of California Department of Toxic Substances Control |
| EPA | United States Environmental Protection Agency |
| fiber/cm ³ | fiber per cubic centimeter |
| Gilbane | Gilbane Federal |
| HPNS | Hunters Point Naval Shipyard |
| L/min | liters per minute |
| mg/m ³ | milligrams per cubic meter |
| Navy | U.S. Department of the Navy |
| NIOSH | National Institute for Occupational Safety and Health |
| PEL | permissible exposure limit |
| PM10 | particulate matter less than 10 microns in diameter |
| RAWP | Remedial Action Work Plan |
| TSP | total suspended particulates |
| TWA | |
| µg/m³ | micrograms per cubic meter |
| | |

1.0 Introduction

This Air Monitoring Summary Report (AMSR) was prepared by Gilbane Federal (Gilbane) 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) N6247317F4332. Gilbane is performing air monitoring at Hunters Point Naval Shipyard (HPNS) in accordance with the Final Dust Monitoring and Control Plan (DMCP), included as Appendix E to *Final Remedial Action Work Plan, Parcel E Remedial Action Phase 2, Hunters Point Naval Shipyard, San Francisco, California* (RAWP; Gilbane, 2019a). The Dust Monitoring and Control Plan (DMCP) describes the procedures that minimize dust during work activities and requires air monitoring to ensure these procedures are effective. The DMCP helps 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 Gilbane at HPNS from May 1st, 2021 through May 31st, 2021 and compares the results with the established action levels presented in the DMCP (Appendix E of the RAWP [Gilbane, 2019a]).

1.0 Introduction

2.0 Monitoring Site Locations

Air monitoring stations were deployed at one upwind and one downwind location from the work area whenever active soil handling operations were in progress. Based on past meteorological data, the prevalent wind direction at HPNS was from the west or west-southwest. The locations of Parcel E 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 Hunters Point Station (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 (Copper, Lead, and Manganese)
- 4. Radiological air samplers.

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 a period of less than 24 hours. Asbestos results were reviewed for anomalies and compliance with the action levels listed below for asbestos.

3.2 PM10, Copper, Lead, and Manganese

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 a period of time (usually 8 or 24 hours) in accordance with the Bayview Manor - KCASANFR1775ta 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. 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 a certified analytical laboratory where 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.

Once the PM10 concentration was gravimetrically determined, the filter was analyzed for copper, manganese and lead in accordance with E PA Method 6020 (equivalent to IO-3.5 in the Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air [EPA, 1999]), and for lead in accordance with a modified EPA Method 12.

3.3 TSP

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 an approximately 8 to 24-hour period (depending on the duration of the work activity). 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.

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, 2019b).

The radiological air sample concentration is counted on a Low Background Protean WPC-9950 and analyzed for gross alpha and beta activity. The calculated airborne concentration in microcuries is 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 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 of the approved DMCP (Appendix E of the RAWP [Gilbane, 2019a]. The PM10 delta was additionally compared to the criterion taken from the *Technical Memorandum: Draft Dust Action Levels for Parcel E, Hunters Point Shipyard, San Francisco, California* (Department of Toxic Substances Control [DTSC] 2017) of 50 micrograms per cubic meter (ug/m³).

| Table 4-1: Air Monitoring Threshold Chteria | | | | | | | | | |
|---|---------------------------|---|--|--|--|--|--|--|--|
| Test Parameter | Threshold Criteria | Threshold Criteria Reference | | | | | | | |
| Asbestos | 0.1 fiber/cm ³ | Cal/OSHA PEL | | | | | | | |
| PM10 ^a | 5,000 ug/m ³ | Cal/OSHA PEL | | | | | | | |
| | | Basewide HPNS Level selected to | | | | | | | |
| TSP | 0.5 mg/m ³ | minimize overall permissible dust release from sites | | | | | | | |
| | | | | | | | | | |
| Copper | 1.0 mg/m ³ | Cal/OSHA PEL | | | | | | | |
| Lead | 0.050 mg/m ³ | Cal/OSHA PEL | | | | | | | |
| Manganese | 0.200 mg/m ³ | Cal/OSHA PEL | | | | | | | |
| Radiological | 10% of Effluent | Occupational and public air concentration | | | | | | | |
| | Concentration | limits for ROCs are published in 10 Code of | | | | | | | |
| | Values | Federal Regulations Part 20, Appendix B. | | | | | | | |

Notes:

^a = Cal/OSHA PEL for particulates not otherwise regulated (respiratory) used for PM10.

µg/m³ = micrograms per cubic meter

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

fiber/cm³ = fiber 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

4.0 Air Monitoring Data Interpretation and Action Levels

5.0 Air Monitoring Results

Weather information (including ambient pressure and temperature data) is presented in the table included as **Attachment 1**. Data was collected from Station 1 in Parcel E and Station 2 in Parcel D-1 from May 24th to May 26th, 2021, during which Gilbane was importing crusher dust. Samples were not collected during periods of site inactivity, rain events, and/or while site work was limited to non-earth moving tasks. The site was closed from May 1st to May 23rd, 2021 and May 28th to May 31st, 2021.

Construction and remediation activities conducted from May 1st through May 31st, 2021, did not result in the exceedance of the established threshold criteria, as described in detail below.

Asbestos results from May 1st through May 31st, 2021 did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 2**.

PM10, lead, manganese, and copper results from May 1st through May 31st, 2021 did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 3** and **Attachment 4**.

TSP results from May 1st through May 31st, 2021 did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 5**.

Radiological air sampling results from May 1st through May 31st, 2021 did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 6**.

Analytical laboratory reports are included as **Attachment 7** and were subjected to cursory review by the Project Chemist. No data quality issues were noted. The data, as qualified, should be considered usable for their intended purposes.

5.0 Air Monitoring Results

6.0 References

- Department of Toxic Substances Control (DTSC), 2017. Draft Technical Memorandum: Dust Action Levels for Parcel E, Hunters Point. May.
- National Institute for Occupational Safety and Health, (NIOSH), 1994. Manual of Analytical Methods.
- United States Environmental Protection Agency (EPA), 1998. Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Specific Methods.
- Gilbane Federal, 2019a. Final Remedial Action Work Plan, Parcel E Remedial Action, Phase 2, Hunters Point Naval Shipyard, San Francisco, California. October
- Gilbane Federal, 2019b. Radiological Procedure PR-RP-150 Radiological Survey and Sampling, Version 01, October 1.

6.0 References

Figures

FIGURES

Figures



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ATTACHMENT 1

AMBIENT PRESSURE, TEMPERATURE, AND PREVALENT WIND DIRECTION MONITORING RESULTS

Attachment 1

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

| Start Date | Ambient Pressure (in Hg) | Ambient Temperature (°F) | Prevalent Wind Direction | | |
|------------|-----------------------------|-----------------------------|-----------------------------|--|--|
| 5/24/2021 | 30.09 | 53.64 | WSW | | |
| 5/25/2021 | 30.05 | 54.35 | WSW | | |
| 5/26/2021 | 30.06 | 53.41 | WSW | | |

Notes:

Data 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

Attachment 2

| Sample, Date a | nd Station | Information | Sampler Run | Information | Asbestos Fibers | | | |
|-------------------------|--------------------------------------|-----------------------|-----------------------------|---|----------------------|---|------------------------|--|
| Sample ID | Sample Start Date ¹ | Monitoring Station | Duration of Run (min) | Total Air Volume Monitored (L) | Asbestos (fibers) | Conc Asbestos (fibers/cm ³) | Exceedance (Yes/No) | |
| MSE01-052521 | 05/25/21 | 1 | 479 | 958 | 14.0 | 0.007 | No | |
| MSE02-052521 | 05/25/21 | 2 | 491 | 982 | 17.5 | 0.009 | No | |
| MSE01-052621 05/26/21 1 | | 495 | 990 | 15.0 | 0.007 | No | | |
| MSE02-052621 | 05/26/21 | 2 | 514 | 1028 | 15.5 | 0.007 | No | |

Attachment 2: Asbestos Monitoring Results

Notes:

¹Sample "start" date indicates the date upon which sample collection began.

Samples analyzed by A&B Labs

Sample locations are shown on Figure 2-1

min = minutes

L = liter

fibers/cm³ = fibers per cubic centimeter

ATTACHMENT 3

PARTICULATE MATTER, SMALLER THAN TEN MICRONS (PM10) MONITORING RESULTS

Attachment 3

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) | Concen- tration in Air (mg/m ³) | Delta between Downwind and Upwind (mg/m ³) | Delta between Downwind and Upwind (ug/m ³) | Cal/OSHA PEL (ug/m³) | Exceedance (Yes/No) | HERO Action Level ³ (ug/m ³) | Exceedance (Yes/No) |
| GILBANEPM051321-1195 | 1 | 5/26/21 | 1728.80 | 0.016 | | | | | | |
| GILBANEPM051321-1196 | 2 | 5/26/21 | 1257.62 | 0.012 | -0.004 | -4.0 | 5,000 | No | 50 | No |
| GILBANEPM051321-1197 | 1 | 5/26/21 ² | 1702.41 | 0.02 | | | | | | |
| GILBANEPM051321-1198 | 2 | 5/26/21 ² | 1700.59 | 0.018 | -0.002 | -2.0 | 5,000 | No | 50 | No |
| GILBANEPM051321-1999 | 1 | 5/27/21 | 1710.68 | 0.02 | | | | | | |
| GILBANEPM051321-1200 | 2 | 5/27/21 | 1727.59 | 0.019 | -0.001 | -1.0 | 5,000 | No | 50 | No |

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.

Samples analyzed by Eurofins TestAmerica

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

m³ = cubic meters

mg = milligrams

mg/m³ = milligrams per cubic meter

PEL = permissible exposure limit

PM₁₀-particulate matter smaller than 10 microns in diameter

ug/m³ = micrograms per cubic meter

ATTACHMENT 4

COPPER, LEAD, AND MANGANESE MONITORING RESULTS

Attachment 4

Attachment 4: Copper, Lead, and Manganese Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | Copper | | Lea | d | 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) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) | |
| GILBANEPM051321-1195 | 1 | 5/26/21 | 1728.80 | 0.000032 | No | 0.0000025 | No | 0.0000048 | No | |
| GILBANEPM051321-1196 | 2 | 5/26/21 | 1257.62 | 0.000013 | No | 0.0000016 | No | 0.0000029 | No | |
| GILBANEPM051321-1197 | 1 | 5/26/21 ² | 1702.41 | 0.000024 | No | 0.0000017 | No | 0.0000031 | No | |
| GILBANEPM051321-1198 | 2 | 5/26/21 ² | 1700.59 | 0.0000089 | No | 0.000001 | No | 0.0000021 | No | |
| GILBANEPM051321-1999 | 1 | 5/27/21 | 1710.68 | 0.00001 | No | 0.0000011 | No | 0.0000039 | No | |
| GILBANEPM051321-1200 | 2 | 5/27/21 | 1727.59 | 0.000011 | No | 0.0000012 | No | 0.0000027 | No | |

Notes:

'Air 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.

Samples analyzed by Eurofins TestAmerica

Sample locations are shown on Figure 2-1

m³ = cubic meters

mg = milligrams

mg/m³ = milligrams per cubic meter
ATTACHMENT 5 TOTAL SUSPENDED PARTICULATES MONITORING RESULTS

Attachment 5

| Sample, Date and Stat | ion Informati | on | Sampler Run Information | Total Suspended Particulates | | | | | |
|-----------------------|-----------------------|------------------------------------|---|---|--|-----|------------------------|--|--|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concentration in Air (mg/m ³) | Delta between Basewide Downwind HPNS and Level Upwind (mg/m ³) | | Exceedance (Yes/No) | | |
| GILBANETSP051321-1195 | 1 | 5/26/21 | 1643.42 | 0.0208103 | | | | | |
| GILBANETSP051321-1196 | 2 | 5/26/21 | 1244.99 | 0.0223295 | 0.002 | 0.5 | No | | |
| GILBANETSP051321-1197 | 1 | 5/26/21 ² | 1613.37 | 0.037995 | | | | | |
| GILBANETSP051321-1198 | 2 | 5/26/21 ² | 1696.52 | 0.0293542 | -0.009 | 0.5 | No | | |
| GILBANETSP051321-1999 | 1 | 5/27/21 | 1610.78 | 0.0430847 | | | | | |
| GILBANETSP051321-1200 | 2 | 5/27/21 | 1752.53 | 0.024593 | -0.018 | 0.5 | No | | |

Attachment 5: Total Suspended Particulates Monitoring Results

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.

Samples analyzed by Eurofins TestAmerica

Sample locations are shown on Figure 2-1

HPNS = Hunters Point Naval Shipyard

 m^3 = cubic meters

mg = milligrams

mg/m³ = milligrams per cubic meter

ATTACHMENT 6 AIR SAMPLING RESULTS – PUBLIC EXPOSURE MONITORING

Attachment 6

| Gilba | ane | | | | | | | | | | | | | | AIR | SAMPL | E RESU | LTS - P | UBLIC | EXPO | SURE | MONIT | ORING |
|--|---------------|--------|---------------|------------|--------------|--------------|--------------------|------------------------|---------|----------------------------|---------------------------|-------------|----------|---------------|-------------|-----------------------|-----------------------|----------|-------------------------------------|-------|-------|-----------------------------|----------|
| | | | | | Project Info | rmation | | | | Effluent Air Concentration | | | | 5 | Sampling Pe | riod | Color Codes | | | | | | |
| Contract / | Task Order N | umber: | Project Title | e / Locati | on: | | Gilbane Project Nu | ilbane Project Number: | | | | | Alpha | Beta | Air | Air samples collected | | | Value < MDC | | | Value < 0.1 x Effluent Cond | |
| N62473 | 3-17-D-0005 / | F4332 | | Parcel I | E RA HPNS, S | SF, CA | J3 | 10000400 | | | Radionuclide Ra-226 Sr-90 | | | | | between May 1, 2021 | | | < 72 hr decay time | | | Value > 0.1 x Effluent Co | |
| Information effective as of: 6/10/2021 | | | | | | Ef | fluent Cond | c (μCi/ml) | 9.E-13 | 6.E-12 | and | May 31, 202 | :1 | Data reviewed | | | Value > Effluent Conc | | | | | | |
| Sample Collection | | | | | | | Count Informatio | | | | | ion | | | | Sample | Results | Initials | | tials | | | |
| Sample | Sample | Sam | nple | Equip | Ave Flow | Start | End | Elapsed | Volume | Inst | Count | Time | Counting | Gross | Activity | Net | dpm | Activity | Activity (µCi/ml) Effluent Conc (%) | | Count | Data | |
| Number | Туре | Loca | ation | No | Rate (lpm) | Day Time | Date Time | Time (min) | (ml) | No | Date | (min) | Units | Alpha | Beta | Alpha | Beta | Alpha | Beta | Alpha | Beta | Tech | Reviewer |
| AS-0193 | Perimeter | MSE | E01 | PE09 | 60 | 5/24/21 7:05 | 5/24/21 16:00 | 535 | 3.2E+07 | С | 6/1/21 | 1 | cpm | 0.150 | 4.950 | 0.4 | 10.7 | 5.9E-15 | 1.5E-13 | 0.7% | 2.5% | DVT | BCS |
| AS-0194 | Perimeter | MSE | E02 | PE10 | 60 | 5/24/21 7:15 | 5/24/21 11:15 | 240 | 1.4E+07 | С | 6/1/21 | 1 | cpm | 0.100 | 4.200 | 0.3 | 8.5 | 8.8E-15 | 2.7E-13 | 1.0% | 4.4% | DVT | BCS |
| AS-0195 | Perimeter | MSE | E01 | PE09 | 60 | 5/25/21 5:15 | 5/25/21 15:45 | 630 | 3.8E+07 | С | 6/1/21 | 1 | cpm | 0.200 | 3.450 | 0.6 | 6.4 | 6.7E-15 | 7.6E-14 | 0.7% | 1.3% | DVT | BCS |
| AS-0196 | Perimeter | MSE | E02 | PE10 | 60 | 5/25/21 5:10 | 5/25/21 15:50 | 640 | 3.8E+07 | С | 6/1/21 | 1 | cpm | 0.300 | 3.700 | 0.8 | 7.1 | 9.9E-15 | 8.3E-14 | 1.1% | 1.4% | DVT | BCS |
| AS-0197 | Perimeter | MSE | E01 | PE09 | 60 | 5/26/21 4:55 | 5/26/21 15:50 | 655 | 3.9E+07 | С | 6/1/21 | 1 | cpm | 0.100 | 3.400 | 0.3 | 6.3 | 3.2E-15 | 7.2E-14 | 0.4% | 1.2% | DVT | BCS |
| AS-0198 | Perimeter | MSE | E02 | PE10 | 60 | 5/26/21 4:50 | 5/26/21 15:45 | 655 | 3.9E+07 | С | 6/1/21 | 1 | cpm | 0.200 | 4.500 | 0.6 | 9.4 | 6.4E-15 | 1.1E-13 | 0.7% | 1.8% | DVT | BCS |

ATTACHMENT 7 LABORATORY REPORTS

Attachment 7

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento 880 Riverside Parkway West Sacramento, CA 95605 Tel:

Laboratory Job ID: 320-74177-1

Client Project/Site: Hunters Point, Parcel E, Phase 2

For:

Gilbane Federal 2355 E. Camelback Road Suite 850 Phoenix, Arizona 85016

Attn:

Authorized for release by: 6/4/2021 9:32:38 AM

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-74177-1

| Glossary | | 3 |
|----------------|---|----|
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | Δ |
| %R | Percent Recovery | |
| CFL | Contains Free Liquid | 5 |
| CFU | Colony Forming Unit | 3 |
| CNF | Contains No Free Liquid | |
| DER | Duplicate Error Ratio (normalized absolute difference) | |
| Dil Fac | Dilution Factor | |
| DL | Detection Limit (DoD/DOE) | |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | |
| DLC | Decision Level Concentration (Radiochemistry) | 8 |
| EDL | Estimated Detection Limit (Dioxin) | |
| LOD | Limit of Detection (DoD/DOE) | 9 |
| LOQ | Limit of Quantitation (DoD/DOE) | |
| MCL | EPA recommended "Maximum Contaminant Level" | |
| MDA | Minimum Detectable Activity (Radiochemistry) | |
| MDC | Minimum Detectable Concentration (Radiochemistry) | |
| MDL | Method Detection Limit | |
| ML | Minimum Level (Dioxin) | |
| MPN | Most Probable Number | |
| MQL | Method Quantitation Limit | 13 |
| NC | Not Calculated | |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) | |
| NEG | Negative / Absent | |
| POS | Positive / Present | |
| PQL | Practical Quantitation Limit | |
| PRES | Presumptive | |
| QC | Quality Control | |
| RER | Relative Error Ratio (Radiochemistry) | |
| RL | Reporting Limit or Requested Limit (Radiochemistry) | |
| RPD | Relative Percent Difference, a measure of the relative difference between two points | |
| TEF | Toxicity Equivalent Factor (Dioxin) | |
| | | |

- TEF TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

Job ID: 320-74177-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-74177-1

Case Narrative

Comments

No additional comments.

Receipt

The samples were received on 5/26/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 19.6° C.

As confirmed by email prior to the start of analysis, metals results are provided by method 6020.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

Client Sample ID: GILBANEPM051321-1195

Lab Sample ID: 320-74177-1

| 5 |
|----|
| |
| |
| 8 |
| 9 |
| |
| |
| |
| 13 |

Prep Type

Prep Type

Total/NA

Total/NA

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|-----------|--------|-----------|
| Lead | 0.0025 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Copper | 0.032 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Manganese | 0.0048 | | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Particulate Matter as PM 10 | 16 | | 0.29 | 0.29 | uq/m3 | 1 | PM10 | Total/NA |

Analyte **Result Qualifier** RL **RL Unit** Dil Fac D Method Total Suspended Particulates 20.8103 0.3042 0.3042 ug/m3 (Air) 1 40CFR50 App B Total/NA Client Sample ID: GILBANEPM051321-1196 Lab Sample ID: 320-74177-3 Analyte **Result Qualifier** RL MDL Unit Dil Fac D Method Lead 6020 0.0016 0.00095 0.00014 ug/m3 (Air) 1 0.013 6020 Copper 0.0019 0.00014 ug/m3 (Air) 1

| Analyte | Result Qualifier | RL | RL Unit | Dil Fac D | Method | Prep Type |
|-----------------------------|------------------|---------|---------------------|-----------|----------|-------------|
| Client Sample ID: GILBA | NETSP051321-1196 | | | Lab Sar | mple ID: | 320-74177-4 |
| Particulate Matter as PM 10 | 12 | 0.40 | 0.40 ug/m3 | 1 | PM10 | Total/NA |
| Manganese | 0.0029 | 0.00095 | 0.00013 ug/m3 (Air) | 1 | 6020 | Total/NA |

| Analyte | Result Qualifier | RL | RL Unit | Dil Fac D Method | Prep Type |
|------------------------------|------------------|--------|--------------------|------------------|-----------|
| Total Suspended Particulates | 22.3295 | 0.4016 | 0.4016 ug/m3 (Air) | 1 40CFR50 App B | Total/NA |

| Client: Gilbane Federal | | | | | | | | | |
|---|---|----------------------|---|---|---|----------|--|--|---------------------------------------|
| Project/Site: Hunters Point, Parcel | E Dhaco (| 5 | | | | | | Job ID: 320-7 | 74177-1 |
| • | - | | | | | | | | |
| Client Sample ID: GILBANE | EPM0513 | 21-1195 | | | | | .ab Sample | e ID: 320-74 | 4177-1 |
| Date Collected: 05/25/21 07:45 | | | | | | | | Mat | trix: Aiı |
| Date Received: 05/26/21 10:00 | | | | | | | | | |
| Sample Container: Folder/Filter | | | | | | | | | |
| _ Method: 6020 - Metals (ICP/MS) | | | | | | | | | |
| Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| Lead | 0.0025 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 06/03/21 07:45 | 06/03/21 14:29 | |
| Copper | 0.032 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 06/03/21 07:45 | 06/03/21 14:29 | |
| Manganese | 0.0048 | | 0.00069 | 0.000097 | ug/m3 (Air) | | 06/03/21 07:45 | 06/03/21 14:29 | |
| General Chemistry | | | | | | | | | |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Particulate Matter as PM 10 | 16 | | 0.29 | 0.29 | ug/m3 | | | 05/29/21 00:10 | |
| Client Sample ID: GILBANE | TSP051 | 321-1195 | | | | 1 | ab Sample | D: 320-74 | 1177-2 |
| Date Collected: 05/25/21 07:45 | | | | | | | | | trix: Ai |
| Date Received: 05/26/21 10:00 | | | | | | | | inco | |
| Sample Container: Folder/Filter | | | | | | | | | |
| | | | | | | | | | |
| General Chemistry | | | | | | | | | |
| Analyte | | Qualifier | RL | | Unit | <u>D</u> | Prepared | Analyzed | Dil Fac |
| | | | | | | | | | |
| Total Suspended Particulates | 20.8103 | | 0.3042 | 0.3042 | ug/m3 (Air) | | | 05/29/21 00:10 | 1 |
| | | 21-1196 | 0.3042 | 0.3042 | ug/m3 (Air) | - | ab Sample | | |
| Client Sample ID: GILBANE | | 21-1196 | 0.3042 | 0.3042 | ug/m3 (Air) | L | ab Sample | D: 320-74 | 4177-3 |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 | | 21-1196 | 0.3042 | 0.3042 | ug/m3 (Air) | L | ab Sample | D: 320-74 | 4177-3 |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 | | 21-1196 | 0.3042 | 0.3042 | ug/m3 (Air) | L | ab Sample. | D: 320-74 | 4177-3 |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter | EPM0513 | 21-1196 | 0.3042 | 0.3042 | ug/m3 (Air) | L | .ab Sample | D: 320-74 | 4177-3 |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) | EPM0513 | | | | | | | e ID: 320-74 Mat | 4177-3 trix: Ai |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte | PM0513 Result | 21-1196 Qualifier | RL | MDL | Unit | L | Prepared | D: 320-74 Mat | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead | PM0513 Result 0.0016 | | RL 0.00095 | MDL 0.00014 | Unit ug/m3 (Air) | | Prepared 06/03/21 07:45 | Analyzed 06/03/21 14:39 | 4177-3 trix: Ail |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper | Result 0.0016 0.013 | | RL 0.00095 0.0019 | MDL 0.00014 0.00014 | Unit ug/m3 (Air) ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 14:39 06/03/21 14:39 | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead | PM0513 Result 0.0016 | | RL 0.00095 | MDL 0.00014 0.00014 | Unit ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 14:39 | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper | Result 0.0016 0.013 | | RL 0.00095 0.0019 | MDL 0.00014 0.00014 | Unit ug/m3 (Air) ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 14:39 06/03/21 14:39 | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese | Result 0.0016 0.013 0.0029 | | RL 0.00095 0.0019 | MDL 0.00014 0.00013 | Unit ug/m3 (Air) ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 14:39 06/03/21 14:39 | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry | Result 0.0016 0.013 0.0029 | Qualifier | RL 0.00095 0.0019 0.00095 | MDL 0.00014 0.00013 RL | Unit ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 | Result 0.0016 0.013 0.0029 Result 12 | Qualifier | RL 0.00095 0.0019 0.00095 RL | MDL 0.00014 0.00013 RL | Unit ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | Analyzed 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 | 1177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE | Result 0.0016 0.013 0.0029 Result 12 | Qualifier | RL 0.00095 0.0019 0.00095 RL | MDL 0.00014 0.00013 RL | Unit ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 Analyzed 05/29/21 00:10 Analyzed | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 | Result 0.0016 0.013 0.0029 Result 12 | Qualifier | RL 0.00095 0.0019 0.00095 RL | MDL 0.00014 0.00013 RL | Unit ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | Analyzed 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 Analyzed 05/29/21 00:10 Analyzed | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 | Result 0.0016 0.013 0.0029 Result 12 | Qualifier | RL 0.00095 0.0019 0.00095 RL | MDL 0.00014 0.00013 RL | Unit ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | Analyzed 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 Analyzed 05/29/21 00:10 Analyzed | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter | Result 0.0016 0.013 0.0029 Result 12 | Qualifier | RL 0.00095 0.0019 0.00095 RL | MDL 0.00014 0.00013 RL | Unit ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | Analyzed 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 Analyzed 05/29/21 00:10 Analyzed | 4177-3 trix: Air Dil Fac |
| Client Sample ID: GILBANE Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte | Result 0.0016 0.013 0.0029 Result 12 TSP051 | Qualifier | RL 0.00095 0.0019 0.00095 RL | MDL 0.00014 0.00013 RL 0.40 | Unit ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | Analyzed 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 06/03/21 14:39 Analyzed 05/29/21 00:10 Analyzed | Dil Fac |

Client Sample Results

Method: 6020 - Metals (ICP/MS)

| Lab Sample ID: MB 320-495020/1 Matrix: Air Analysis Batch: 495359 | | МВ | | | | | | C | lie | | le ID: Method Prep Type: To Prep Batch: | otal/NA | |
|---|--------|-----------|--------|--------|-------|-------|-----------|------|------|------------|---|---------|---|
| Analyte | Result | Qualifier | RL | I | MDL | Unit | D |) | Pr | repared | Analyzed | Dil Fac | 2 |
| Lead | ND | | 0.0012 | 0.00 | 0018 | ug/m: | 3 (Air) | 0 | 6/03 | 3/21 07:45 | 06/03/21 14:20 | 1 | |
| Copper | ND | | 0.0024 | 0.00 | 018 | ug/m: | 3 (Air) | 0 | 6/03 | 3/21 07:45 | 06/03/21 14:20 | 1 | 2 |
| Manganese | ND | | 0.0012 | 0.00 | 0017 | ug/m: | 3 (Air) | 0 | 6/03 | 3/21 07:45 | 06/03/21 14:20 | 1 | |
| Lab Sample ID: LCS 320-495020/ Matrix: Air Analysis Batch: 495359 | 2-B | | | | | | Clier | nt S | San | | Lab Control S Prep Type: To Prep Batch: 4 | otal/NA | |
| | | | Spike | LCS | LCS | | | | | | %Rec. | | |
| Analyte | | | Added | Result | Quali | ifier | Unit | | D | %Rec | Limits | | |
| Lead | | | 0.240 | 0.231 | | | ug/m3 (Ai | r) | _ | 96 | 86 - 111 | | |
| Copper | | | 0.240 | 0.242 | | | ug/m3 (Ai | r) | | 101 | 85 - 110 | | |
| Manganese | | | 0.240 | 0.213 | | | ug/m3 (Ai | r) | | 89 | 88 - 110 | | |

Lab Sample ID: LCSD 320-495020/3-B Matrix: Air Analysis Batch: 495359

| Analysis Batch: 495359 | | | | | | | Prep Ba | tch: 49 | 95027 |
|------------------------|-------|--------|-----------|-------------|---|------|----------|---------|-------|
| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Lead | 0.240 | 0.238 | | ug/m3 (Air) | _ | 99 | 86 - 111 | 3 | 15 |
| Copper | 0.240 | 0.250 | | ug/m3 (Air) | | 104 | 85 - 110 | 3 | 15 |
| Manganese | 0.240 | 0.224 | | ug/m3 (Air) | | 94 | 88 - 110 | 5 | 15 |

Clier

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

QC Association Summary

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Matrix

Air

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Air

Air

Air

Matrix

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Matrix

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Air

Method

Filter to Air

Method

3050B

3050B

3050B

3050B

3050B

Method

6020

6020

6020

6020

6020

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

Client Sample ID

Lab Control Sample

Client Sample ID

Lab Control Sample

Client Sample ID

Lab Control Sample

Method Blank

Lab Control Sample Dup

GILBANEPM051321-1195

GILBANEPM051321-1196

Lab Control Sample Dup

GILBANETSP051321-1196

Method Blank

Method Blank

GILBANEPM051321-1195

GILBANEPM051321-1196

Lab Control Sample Dup

GILBANEPM051321-1195

GILBANEPM051321-1196

Metals

Lab Sample ID

MB 320-495020/1-B

LCS 320-495020/2-B

LCSD 320-495020/3-B

Prep Batch: 495027

MB 320-495020/1-B

LCS 320-495020/2-B

LCSD 320-495020/3-B

Analysis Batch: 495359

Lab Sample ID

Lab Sample ID

MB 320-495020/1-B

LCS 320-495020/2-B

320-74177-1

320-74177-3

320-74177-4

320-74177-1

320-74177-3

320-74177-1

320-74177-3

Pre Prep Batch: 495020

Prep Batch

Prep Batch

495020

495020

495020

495020

495020

Prep Batch

495027

495027

495027

495027

495027

493289

7 8 9 10

12 13

LCSD 320-495020/3-B General Chemistry

Pre Prep Batch: 493289

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|-----------------------|-----------|--------|---------------|------------|
| 320-74177-2 | GILBANETSP051321-1195 | Total/NA | Air | Filter to Air | |
| 320-74177-4 | GILBANETSP051321-1196 | Total/NA | Air | Filter to Air | |
| Analysis Batch: 49 | 5196 | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 320-74177-1 | GILBANEPM051321-1195 | Total/NA | Air | PM10 | |
| 320-74177-3 | GILBANEPM051321-1196 | Total/NA | Air | PM10 | |
| Analysis Batch: 49 | 5211 | | | | |
| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
| 320-74177-2 | GILBANETSP051321-1195 | Total/NA | Air | 40CFR50 App B | 493289 |

Total/NA

40CFR50 App B

Job ID: 320-74177-1

Client Sample ID: GILBANEPM051321-1195 Date Collected: 05/25/21 07:45 Date Received: 05/26/21 10:00

| Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|----------|--------------------------------------|--|---|---|---|--|--|---|---|
| Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Pre Prep | Filter to Air | | | | | 495020 | 06/03/21 07:15 | NIM | TAL SAC |
| Prep | 3050B | | | 0.08333 Sample | 100 mL | 495027 | 06/03/21 07:45 | NIM | TAL SAC |
| Analysis | 6020 | | 1 | | | 495359 | 06/03/21 14:29 | DPM | TAL SAC |
| Analysis | PM10 | | 1 | 0 g | 0.0277 g | 495196 | 05/29/21 00:10 | DPM | TAL SAC |
| | Type Pre Prep Prep Analysis | TypeMethodPre PrepFilter to AirPrep3050BAnalysis6020 | TypeMethodRunPre PrepFilter to AirPrep3050BAnalysis6020 | TypeMethodRunFactorPre PrepFilter to Air3050B1Analysis60201 | TypeMethodRunFactorAmountPre PrepFilter to Air0.083330.08333Prep3050B0.08333SampleAnalysis60201 | TypeMethodRunFactorAmountAmountPre PrepFilter to Air0.08333100 mLPrep3050B0.08333100 mLAnalysis60201 | TypeMethodRunFactorAmountAmountNumberPre PrepFilter to Air0.08333100 mL495020Prep3050B0.08333100 mL495027Analysis60201495359 | TypeMethodRunFactorAmountAmountNumberor AnalyzedPre PrepFilter to Air0.08333100 mL49502706/03/21 07:45Prep3050B0.08333100 mL49502706/03/21 07:45Analysis6020149535906/03/21 14:29 | TypeMethodRunFactorAmountAmountNumberor AnalyzedAnalystPre PrepFilter to Air0.08333100 mL49502706/03/21 07:45NIMPrep3050B0.08333Sample100 mL49502706/03/21 07:45NIMAnalysis6020149535906/03/21 14:29DPM |

Client Sample ID: GILBANETSP051321-1195 Date Collected: 05/25/21 07:45 Date Received: 05/26/21 10:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analvst | Lab |
|-----------|---------------|-----------------|------------|---------------|-------------------|-----------------|-----------------|-------------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | - <u> </u> | Factor | Amount | Amount | 493289 | 05/27/21 10:40 | | TAL SAC |
| Total/NA | Analysis | 40CFR50 App B | | 1 | | | 495211 | 05/29/21 00:10 | DPM | TAL SAC |

Client Sample ID: GILBANEPM051321-1196 Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------|-----|--------|-------------------|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Pre Prep | Filter to Air | | | | | 495020 | 06/03/21 07:15 | NIM | TAL SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 495027 | 06/03/21 07:45 | NIM | TAL SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 495359 | 06/03/21 14:39 | DPM | TAL SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0147 g | 495196 | 05/29/21 00:10 | DPM | TAL SAC |

Client Sample ID: GILBANETSP051321-1196 Date Collected: 05/25/21 07:30 Date Received: 05/26/21 10:00

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Pre Prep | Filter to Air | | | | | 493289 | 05/27/21 10:40 | DPM | TAL SAC |
| Total/NA | Analysis | 40CFR50 App B | | 1 | | | 495211 | 05/29/21 00:10 | DPM | TAL SAC |

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Sample ID: 320-74177-3

Lab Sample ID: 320-74177-4

Matrix: Air

Matrix: Air

Accreditation/Certification Summary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-74177-1

Laboratory: Eurofins TestAmerica, Sacramento The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|-----------------------|-----------------------|-----------------|
| ANAB | Dept. of Defense ELAP | L2468 | 01-20-24 |
| Oregon | NELAP | 4040 | 01-30-23 |

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------------------------|
| 40CFR50 App B | | Air | Total Suspended Particulates |
| PM10 | | Air | Particulate Matter as PM 10 |

Method Summary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

| Method | Method Description | Protocol | Laboratory |
|---------------|---|----------|------------|
| 6020 | Metals (ICP/MS) | SW846 | TAL SAC |
| 40CFR50 App B | Suspended Particulate Matter in Ambient Air | EPA | TAL SAC |
| PM10 | Particulate Matter | 40CFR50J | TAL SAC |
| 3050B | Preparation, Metals | SW846 | TAL SAC |
| Filter to Air | Filter to Air volume ratio | None | TAL SAC |

Protocol References:

40CFR50J = 40 CFR Part 50 Appendix J

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2 Job ID: 320-74177-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset II |
|---------------|-----------------------|--------|----------------|----------------|----------|
| 320-74177-1 | GILBANEPM051321-1195 | Air | 05/25/21 07:45 | 05/26/21 10:00 | |
| 320-74177-2 | GILBANETSP051321-1195 | Air | 05/25/21 07:45 | 05/26/21 10:00 | |
| 320-74177-3 | GILBANEPM051321-1196 | Air | 05/25/21 07:30 | 05/26/21 10:00 | |
| 320-74177-4 | GILBANETSP051321-1196 | Air | 05/25/21 07:30 | 05/26/21 10:00 | |

CHAIN-OF-CUSTODY RECORD



1655 Grant Street, Suite 1200, Concord, CA 94520

COC # KT052521AIR



| Pro | ject Name: Hunters Point Sh | ipyard, l | Parcel E RA P | hase 2 | | Lab | orat | ory: I | Eurofi | ins E | nviro | nmer | t Tes | sting TestA | merica-Sacrament | o West Sa | cramen | to CA | Event: F | Parcel E Phase 2 Air |
|---|-------------------------------|------------------|---------------|------------------------|------------------|--------------------|-----------------|--------|--------|-------|-------|------|-----------|--|------------------|----------------|------------------|--------------------|----------|----------------------|
| Pro | ject Number: J310000400 | | | | | PO | | | | | | | | | lastanton | | torumon | 10, 0A | Monitor | ing |
| WB | S Code: J310000400-016 | | | | | Shi | p to: | 880 | River | side | Park | way, | West | Sacramer | nto, CA 95605 | | | | - | |
| Comments: Equipment: Event: Parcel E Phase 2 Air Monitoring | | | | Analytical Test Method | CAAIR - Air PM10 | E12 - Air Pb Mn Cu | N0500 - Air TSP | | | | | | Code 1 | e Matrix Air Container/Preservative 1x 250-mL Plastic, 4 D 1x Envelope, None | | in of Cus | tody | | | |
| | Event: Parcel E Phase 2 Air N | <i>Ionitorin</i> | g | | | 1 | 1 | 1 | | | | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | | | | Location ID | Sample Type | Depth Top - I | (ft bgs) Bottom | Cooler | Comments |
| 1 | GILBANEPM051321-1195 | A | 05/25/2021 | 0745 | KT | Х | Х | | | | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1728.80 |
| 2 | GILBANETSP051321-1195 | A | 05/25/2021 | 0745 | KT | | | Х | | Τ | | | T | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1643.42 |
| 3 | GILBANEPM051321-1196 | A | 05/25/2021 | 0730 | KT | Х | Х | | | Τ | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1257.62 |
| 4 | GILBANETSP051321-1196 | A | 05/25/2021 | 0730 | KT | | | X | | | | | Τ | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1244.99 |
| 5 - | | | | | | | | | | Τ | | | Τ | | | | | | | |
| 6 | | | | | | | | | | Τ | | | | | | | | | | |
| 7 | | | | | | | | | | T | | | | | | | | | | |
| 8 | | | | | | | | | T | | | | - | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| Tur | naround Time: 5 days | | | | - | | - | - | - | - | | | - | | | | | | L | |

Relinquished by: (Signature) Date Time Received by: (Signature) Date Shipping Date / Carrier / Airbill Number Time 5/25 SESPI FidEx Shipping Date: 5/25/2021 / FedEx 7738 1945 2507 1400 MOD 12 5121/21 1000 Received by Laboratory: (Signature, Date, Time) & condition

6/4/2021

Login Sample Receipt Checklist

Client: Gilbane Federal

Login Number: 74177 List Number: 1

Creator:

| Question | Answer | Comment |
|--|--------|-----------------------------------|
| Radioactivity wasn't checked or is = background as measured by a survey neter.</td <td>True</td> <td></td> | True | |
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or ampered with. | True | |
| Samples were received on ice. | False | Thermal preservation not required |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| the Field Sampler's name present on COC? | False | |
| here are no discrepancies between the containers received and the COC. | True | |
| amples are received within Holding Time (excluding tests with immediate ITs) | True | |
| ample containers have legible labels. | True | |
| ontainers are not broken or leaking. | True | |
| ample collection date/times are provided. | True | |
| ppropriate sample containers are used. | True | |
| ample bottles are completely filled. | True | |
| ample Preservation Verified. | N/A | |
| here is sufficient vol. for all requested analyses, incl. any requested IS/MSDs | True | |
| containers requiring zero headspace have no headspace or bubble is 6mm (1/4"). | True | |
| Aultiphasic samples are not present. | True | |
| amples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Job Number: 320-74177-1

List Source: Eurofins TestAmerica, Sacramento

Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento 880 Riverside Parkway West Sacramento, CA 95605 Tel:

Laboratory Job ID: 320-74322-1

Client Project/Site: Hunters Point, Parcel E, Phase 2 Revision: 1

For:

Gilbane Federal 2355 E. Camelback Road Suite 850 Phoenix, Arizona 85016

Attn:

Authorized for release by: 6/8/2021 4:23:24 PM

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

..... Links **Review your project** results through **Total** Access Have a Question? Ask-The Expert Visit us at: www.eurofinsus.com/Env

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Definitions/Glossary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-74322-1

| Glossary | | 3 |
|----------------|---|----|
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | J |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | Δ. |
| %R | Percent Recovery | |
| CFL | Contains Free Liquid | 5 |
| CFU | Colony Forming Unit | 3 |
| CNF | Contains No Free Liquid | |
| DER | Duplicate Error Ratio (normalized absolute difference) | |
| Dil Fac | Dilution Factor | |
| DL | Detection Limit (DoD/DOE) | |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | |
| DLC | Decision Level Concentration (Radiochemistry) | 8 |
| EDL | Estimated Detection Limit (Dioxin) | |
| LOD | Limit of Detection (DoD/DOE) | 9 |
| LOQ | Limit of Quantitation (DoD/DOE) | |
| MCL | EPA recommended "Maximum Contaminant Level" | |
| MDA | Minimum Detectable Activity (Radiochemistry) | |
| MDC | Minimum Detectable Concentration (Radiochemistry) | |
| MDL | Method Detection Limit | |
| ML | Minimum Level (Dioxin) | |
| MPN | Most Probable Number | |
| MQL | Method Quantitation Limit | 13 |
| NC | Not Calculated | |
| ND | Not Detected at the reporting limit (or MDL or EDL if shown) | |
| NEG | Negative / Absent | |
| POS | Positive / Present | |
| PQL | Practical Quantitation Limit | |
| PRES | Presumptive | |
| QC | Quality Control | |
| RER | Relative Error Ratio (Radiochemistry) | |
| RL | Reporting Limit or Requested Limit (Radiochemistry) | |
| RPD | Relative Percent Difference, a measure of the relative difference between two points | |

- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEF Toxicity Equivalent Factor (Dioxin)
- Toxicity Equivalent Quotient (Dioxin) TEQ
- TNTC Too Numerous To Count

Job ID: 320-74322-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-74322-1

Revision

This report and the associated EDD were revised June 8,2 021 to correct the sample IDs for 320-74322-5 and -6 to match the COC. No data changed as a result of this revision.

Receipt

The samples were received on 5/28/2021 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 20.4° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Gilbane Federal F

| Client: Gilbane Federal Project/Site: Hunters Point, Parc | cel E, Phase 2 | 2 | | | | | Job ID: 3 | 320-74322-1 |
|--|----------------|-----------|---------|----------|-------------|---------|---------------|-------------|
| Client Sample ID: GILBA | NEPM0513 | 21-1197 | | | | Lab Sa | mple ID: 32 | 0-74322-1 |
| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | Method | Prep Type |
| Lead | 0.0017 | | 0.00070 | 0.00011 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Copper | 0.024 | | 0.0014 | 0.00011 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Manganese | 0.0031 | | 0.00070 | 0.000099 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Particulate Matter as PM 10 | 20 | | 0.29 | 0.29 | ug/m3 | 1 | PM10 | Total/NA |
| Client Sample ID: GILBA | NETSP051 | 321-1197 | | | | Lab Sa | mple ID: 32 | 0-74322-2 |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | Method | Prep Type |
| Total Suspended Particulates | 37.9950 | | 0.3099 | 0.3099 | ug/m3 (Air) | 1 | 40CFR50 App B | Total/NA |
| Client Sample ID: GILBA | NEPM0513 | 21-1198 | | | | Lab Sa | ample ID: 32 | 0-74322-3 |
| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | Method | Prep Type |
| Lead | 0.0010 | | 0.00071 | 0.00011 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Copper | 0.0089 | | 0.0014 | 0.00011 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Manganese | 0.0021 | | 0.00071 | 0.000099 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Particulate Matter as PM 10 | 18 | | 0.29 | 0.29 | ug/m3 | 1 | PM10 | Total/NA |
| Client Sample ID: GILBA | NETSP051 | 321-1198 | | | | Lab Sa | ample ID: 32 | 0-74322-4 |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | Method | Prep Type |
| Total Suspended Particulates | 29.3542 | | 0.2947 | 0.2947 | ug/m3 (Air) | 1 | 40CFR50 App B | Total/NA |
| Client Sample ID: GILBA | NEPM0513 | 21-1999 | | | | Lab Sa | ample ID: 32 | 0-74322-5 |
| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | Method | Prep Type |
| Lead | 0.0011 | | 0.00070 | 0.00011 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Copper | 0.010 | | 0.0014 | 0.00011 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Manganese | 0.0039 | | 0.00070 | 0.000098 | ug/m3 (Air) | 1 | 6020 | Total/NA |
| Particulate Matter as PM 10 | 20 | | 0.29 | 0.29 | ug/m3 | 1 | PM10 | Total/NA |
| Client Sample ID: GILBA | NETSP051 | 321-1999 | | | | Lab Sa | ample ID: 32 | 0-74322-6 |
| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | Method | Prep Type |
| Total Suspended Particulates | 43.0847 | | 0.3104 | 0.3104 | ug/m3 (Air) | 1 | 40CFR50 App B | Total/NA |

Client Sample ID: GILBANEPM051321-1200

| Analyte | Result Qualifier | RL | MDL | Unit | Dil Fac | DI | Method | Prep Type |
|-----------------------------|------------------|---------|----------|-------------|---------|-----|--------|-----------|
| Lead | 0.0012 | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | - (| 6020 | Total/NA |
| Copper | 0.011 | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | (| 6020 | Total/NA |
| Manganese | 0.0027 | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | (| 6020 | Total/NA |
| Particulate Matter as PM 10 | 19 | 0.29 | 0.29 | ug/m3 | 1 | I | PM10 | Total/NA |

Client Sample ID: GILBANETSP051321-1200 Lab Sample ID: 320-74322-8

| Analyte | Result Qualifier | RL | RL Unit | Dil Fac D | Method | Prep Type |
|------------------------------|------------------|--------|--------------------|-----------|---------------|-----------|
| Total Suspended Particulates | 24.5930 | 0.2853 | 0.2853 ug/m3 (Air) | 1 | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Lab Sample ID: 320-74322-7

| | | | | | | | | Job ID: 320-7 | 74322-1 |
|---|--|--|---|--|---|------------|--|---|--|
| Client: Gilbane Federal Project/Site: Hunters Point, Parcel | E, Phase 2 | 2 | | | | | | | |
| Client Sample ID: GILBANE Date Collected: 05/26/21 07:10 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter | PM0513 | 21-1197 | | | | L | ab Sample | e ID: 320-74 Mat | 1322-1 trix: Air |
| Method: 6020 - Metals (ICP/MS) | | | | | | | | | |
| Analyte | | Qualifier | RL | | Unit | D | Prepared | Analyzed | Dil Fac |
| Lead | 0.0017 | | 0.00070 | | ug/m3 (Air) | | 06/03/21 07:45 | 06/03/21 15:01 | - |
| Copper Manganese | 0.024 0.0031 | | 0.0014 0.00070 | | ug/m3 (Air) ug/m3 (Air) | | | 06/03/21 15:01 06/03/21 15:01 | |
| General Chemistry | | | | | | | | | |
| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Particulate Matter as PM 10 | 20 | | 0.29 | 0.29 | ug/m3 | | | 05/29/21 00:10 | |
| Client Sample ID: GILBANE Date Collected: 05/26/21 07:10 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter | TSP051 | 321-1197 | | | | L | ab Sample | e ID: 320-74 Mat | 1322-2 trix: Aiı |
| General Chemistry Analyte | Booult | Qualifier | RL | ы | Unit | D | Bronorod | Applyzod | Dil Fac |
| Total Suspended Particulates | 37.9950 | | 0.3099 | | ug/m3 (Air) | | Prepared | Analyzed 05/29/21 00:10 | |
| | DM0E42 | 24 4400 | | | | | ah Camala | e ID: 320-74 | 1222 3 |
| Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 | | | | | | | ub oumpre | Mat | trix: Aiı |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter | | | | | | | | Mat | trix: Aiı |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 | | Qualifier | RL | MDL | Unit | D | Prepared | Mat | |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) | | | RL 0.00071 | | Unit ug/m3 (Air) | <u>D</u> | Prepared | Analyzed | Dil Fa |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper | Result | | 0.00071 0.0014 | 0.00011 0.00011 | ug/m3 (Air) ug/m3 (Air) | <u>D</u> | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 15:04 06/03/21 15:04 | Dil Fa |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead | Result 0.0010 | | 0.00071 | 0.00011 0.00011 | ug/m3 (Air) | <u>D</u> | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 15:04 | Dil Fa |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper | Result 0.0010 0.0089 | | 0.00071 0.0014 | 0.00011 0.00011 | ug/m3 (Air) ug/m3 (Air) | D | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 15:04 06/03/21 15:04 | Dil Fa |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese | Result 0.0010 0.0089 0.0021 | | 0.00071 0.0014 | 0.00011 0.00011 0.000099 | ug/m3 (Air) ug/m3 (Air) | D | Prepared 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 15:04 06/03/21 15:04 | Dil Fac |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry | Result 0.0010 0.0089 0.0021 | Qualifier | 0.00071 0.0014 0.00071 | 0.00011 0.00011 0.000099 RL | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) | _ <u>D</u> | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 | Dil Fac |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 | Result 0.0010 0.0089 0.0021 Result 18 | Qualifier | 0.00071 0.0014 0.00071 RL | 0.00011 0.00011 0.000099 RL | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 PID: 320-74 | Dil Fac |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry | Result 0.0010 0.0089 0.0021 Result 18 TSP051 | Qualifier | 0.00071 0.0014 0.00071 RL 0.29 | 0.00011 0.00011 0.000099 RL 0.29 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 | D L | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared ab Sample | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 2 ID: 320-74 Mat | Dil Fac |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry Analyte | Result 0.0010 0.0089 0.0021 Result 18 TSP051 | Qualifier | 0.00071 0.0014 0.00071 RL 0.29 | 0.00011 0.00019 0.000099 RL 0.29 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 PID: 320-74 Mat Analyzed | Dil Fac Dil Fac 1322-4 trix: Ail |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry | Result 0.0010 0.0089 0.0021 Result 18 TSP051 | Qualifier | 0.00071 0.0014 0.00071 RL 0.29 | 0.00011 0.00019 0.000099 RL 0.29 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 | D L | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared ab Sample | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 2 ID: 320-74 Mat | Dil Fac Dil Fac 1322-4 trix: Ait |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry Analyte Total Suspended Particulates Client Sample ID: GILBANE Date Collected: 05/27/21 06:45 Date Received: 05/28/21 09:20 | Result 0.0010 0.0089 0.0021 Result 18 TSP051 STSP051 Result 29.3542 | Qualifier Qualifier 321-1198 Qualifier | 0.00071 0.0014 0.00071 RL 0.29 | 0.00011 0.00019 0.000099 RL 0.29 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared ab Sample | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 a ID: 320-74 Mat Analyzed 05/29/21 00:10 a ID: 320-74 | Dil Fac Dil Fac 1322-4 trix: Ail Dil Fac |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry Analyte Total Suspended Particulates Client Sample ID: GILBANE Date Collected: 05/27/21 06:45 Date Collected: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) | Result 0.0010 0.0089 0.0021 Result 18 TSP0513 Result 29.3542 PM0513 | Qualifier Qualifier 321-1198 Qualifier 21-1999 | 0.00071 0.0014 0.00071 RL 0.29 RL 0.2947 | 0.00011 0.00019 RL 0.29 RL 0.2947 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) <u>Unit</u> ug/m3 <u>Unit</u> ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared .ab Sample Prepared .ab Sample | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 a ID: 320-74 Mat 05/29/21 00:10 a ID: 320-74 Mat | Dil Fac Dil Fac 1322-4 trix: Ain Dil Fac |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry Analyte Total Suspended Particulates Client Sample ID: GILBANE Date Collected: 05/27/21 06:45 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte | Result 0.0010 0.0089 0.0021 Result 18 TSP0513 Result 29.3542 PM0513 Result | Qualifier Qualifier 321-1198 Qualifier | 0.00071 0.0014 0.00071 RL 0.29 0.29 0.2947 | 0.00011 0.00019 RL 0.29 RL 0.2947 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 Unit ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared .ab Sample Prepared .ab Sample | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 a ID: 320-74 Mat 05/29/21 00:10 a ID: 320-74 Mat Analyzed 05/29/21 00:10 | Dil Fac |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry Analyte Total Suspended Particulates Client Sample ID: GILBANE Date Collected: 05/27/21 06:45 Date Collected: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead | Result 0.0010 0.0089 0.0021 Result 18 TSP0513 Result 29.3542 PM0513 Result 0.0011 | Qualifier Qualifier 321-1198 Qualifier 21-1999 | 0.00071 0.0014 0.00071 RL 0.29 0.29 0.29 RL 0.2947 | 0.00011 0.00019 RL 0.29 0.29 0.2947 0.2947 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 Unit ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared .ab Sample Prepared .ab Sample Prepared .ab Sample | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 05/29/21 00:10 2 ID: 320-74 Mat 05/29/21 00:10 2 ID: 320-74 Mat 05/29/21 00:10 2 ID: 320-74 Mat 05/29/21 00:10 | Dil Fac 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte Lead Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBANE Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry Analyte Total Suspended Particulates Client Sample ID: GILBANE Date Collected: 05/27/21 06:45 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter Method: 6020 - Metals (ICP/MS) Analyte | Result 0.0010 0.0089 0.0021 Result 18 TSP0513 Result 29.3542 PM0513 Result | Qualifier Qualifier 321-1198 Qualifier 21-1999 | 0.00071 0.0014 0.00071 RL 0.29 0.29 0.2947 | 0.00011 0.00019 RL 0.29 0.2947 0.2947 0.2947 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 Unit ug/m3 (Air) | | Prepared 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared .ab Sample Prepared .ab Sample Prepared .ab Sample .ab Sample | Analyzed 06/03/21 15:04 06/03/21 15:04 06/03/21 15:04 Analyzed 05/29/21 00:10 a ID: 320-74 Mat 05/29/21 00:10 a ID: 320-74 Mat Analyzed 05/29/21 00:10 | Dil Fac |

Client Sample Results

| ou . ou | | Client S | Sample | Resul | ts | | | | |
|---|---|-----------|---|--|--|------------|---|--|-------------------|
| Client: Gilbane Federal Project/Site: Hunters Point, Parce | el E, Phase 2 | 2 | | | | | | Job ID: 320-7 | '4322- |
| Client Sample ID: GILBAN Date Collected: 05/27/21 06:45 Date Received: 05/28/21 09:20 Sample Container: Folder/Filte | | 21-1999 | | | | L | ab Sample | e ID: 320-74 Mat | 322-∜ :rix: Ai |
| General Chemistry Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fa |
| Particulate Matter as PM 10 | 20 | | 0.29 | 0.29 | ug/m3 | | | 05/29/21 00:10 | |
| Client Sample ID: GILBAN Date Collected: 05/27/21 06:45 Date Received: 05/28/21 09:20 Sample Container: Folder/Filte | | 321-1999 | | | | L | ab Sample | e ID: 320-74 Mat | 1322-(rix: Ai |
| General Chemistry Analyte | Result | Qualifier | RL | RI | Unit | D | Prepared | Analyzed | Dil Fa |
| Total Suspended Particulates | 43.0847 | | 0.3104 | | ug/m3 (Air) | | | 05/29/21 00:10 | |
| Date Received: 05/28/21 09:20 Sample Container: Folder/Filte Method: 6020 - Metals (ICP/M | | | | | | | | | |
| Analyte | | Qualifier | RL | | | | | | |
| Lead | | | | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| | 0.0012 | | 0.00069 | 0.00010 | ug/m3 (Air) | . <u> </u> | 06/03/21 07:45 | 06/03/21 15:11 | |
| Copper | 0.011 | <u> </u> | 0.00069 0.0014 | 0.00010 | ug/m3 (Air) ug/m3 (Air) | - — | 06/03/21 07:45 06/03/21 07:45 | 06/03/21 15:11 06/03/21 15:11 | |
| | | <u>_</u> | 0.00069 | 0.00010 | ug/m3 (Air) | - — | 06/03/21 07:45 | 06/03/21 15:11 06/03/21 15:11 | |
| Copper | 0.011 | | 0.00069 0.0014 | 0.00010 | ug/m3 (Air) ug/m3 (Air) | - — | 06/03/21 07:45 06/03/21 07:45 | 06/03/21 15:11 06/03/21 15:11 | |
| Copper Manganese | 0.011 0.0027 | Qualifier | 0.00069 0.0014 0.00069 RL | 0.00010 0.00010 0.000097 | ug/m3 (Air) ug/m3 (Air) | - — | 06/03/21 07:45 06/03/21 07:45 | 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 Analyzed | |
| Copper Manganese General Chemistry | 0.011 0.0027 | Qualifier | 0.00069 0.0014 0.00069 | 0.00010 0.00010 0.000097 RL | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) | . — | 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 | 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 | |
| Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 | 0.011 0.0027 <u>Result</u> 19 | | 0.00069 0.0014 0.00069 RL | 0.00010 0.00010 0.000097 RL | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | <u> </u> | 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 Analyzed | Dil Fa |
| Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBAN Date Collected: 05/27/21 06:52 Date Received: 05/28/21 09:20 | 0.011 0.0027 Result 19 | | 0.00069 0.0014 0.00069 RL | 0.00010 0.00010 0.000097 RL | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | <u> </u> | 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 Analyzed 05/29/21 00:10 ID: 320-74 | Dil Fa |
| Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBAN Date Collected: 05/27/21 06:52 Date Received: 05/28/21 09:20 Sample Container: Folder/Filter General Chemistry | 0.011 0.0027 Result 19 IETSP051 | 321-1200 | 0.00069 0.0014 0.00069 RL 0.29 | 0.00010 0.000097 RL 0.29 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit ug/m3 | . <u>P</u> | 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared ab Sample | 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 Analyzed 05/29/21 00:10 DI: 320-74 Mat | rix: Ai |
| Copper Manganese General Chemistry Analyte Particulate Matter as PM 10 Client Sample ID: GILBAN Date Collected: 05/27/21 06:52 Date Received: 05/28/21 09:20 Sample Container: Folder/Filte | 0.011 0.0027 Result 19 IETSP051 | | 0.00069 0.0014 0.00069 RL | 0.00010 0.000097 RL 0.29 | ug/m3 (Air) ug/m3 (Air) ug/m3 (Air) Unit | <u> </u> | 06/03/21 07:45 06/03/21 07:45 06/03/21 07:45 Prepared | 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 06/03/21 15:11 Analyzed 05/29/21 00:10 ID: 320-74 | Dil Fa |

Method: 6020 - Metals (ICP/MS)

| Lab Sample ID: MB 320-495020/1-B Matrix: Air Analysis Batch: 495359 | B MB | | | | | Cli | | ble ID: Method Prep Type: To Prep Batch: | otal/NA | |
|--|--------------|--------|----------|----------|------------|------|-------------|--|---------|---|
| Analyte Resu | It Qualifier | RL | MD | L Unit | D | F | Prepared | Analyzed | Dil Fac | 7 |
| Lead | D | 0.0012 | 0.0001 | 8 ug/m | 3 (Air) — | 06/0 | 03/21 07:45 | 06/03/21 14:20 | 1 | |
| Copper N | D | 0.0024 | 0.0001 | 8 ug/m | 3 (Air) | 06/0 | 03/21 07:45 | 06/03/21 14:20 | 1 | 2 |
| Manganese | D | 0.0012 | 0.0001 | 7 ug/m | 3 (Air) | 06/0 | 03/21 07:45 | 06/03/21 14:20 | 1 | |
| Lab Sample ID: LCS 320-495020/2-B Matrix: Air Analysis Batch: 495359 | | | | | Clien | t Sa | | Lab Control S Prep Type: To Prep Batch: | otal/NA | |
| | | Spike | LCS LO | CS | | | | %Rec. | | |
| Analyte | | Added | Result Q | ualifier | Unit | D | %Rec | Limits | | |
| Lead | | 0.240 | 0.231 | | ug/m3 (Air |) _ | 96 | 86 - 111 | | |
| Copper | | 0.240 | 0.242 | | ug/m3 (Air |) | 101 | 85 - 110 | | |
| Manganese | | 0.240 | 0.213 | | ug/m3 (Air |) | 89 | 88 - 110 | | |

Lab Sample ID: LCSD 320-495020/3-B Matrix: Air Analysis Batch: 495359

| | Spike | LCSD | LCSD | | | | %Rec. | | RPD |
|-----------|-------|--------|-----------|-------------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Lead | 0.240 | 0.238 | | ug/m3 (Air) | _ | 99 | 86 - 111 | 3 | 15 |
| Copper | 0.240 | 0.250 | | ug/m3 (Air) | | 104 | 85 - 110 | 3 | 15 |
| Manganese | 0.240 | 0.224 | | ug/m3 (Air) | | 94 | 88 - 110 | 5 | 15 |

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA Prep Batch: 495027 %Rec. RPD r Unit D %Rec Limits RPD Limit

QC Association Summary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2 Job ID: 320-74322-1

3 4 5

8 9 10 11 12 13

| Metals | |
|----------|---------------|
| Pre Prep | Batch: 495020 |

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-74322-1 | GILBANEPM051321-1197 | Total/NA | Air | Filter to Air | |
| 320-74322-3 | GILBANEPM051321-1198 | Total/NA | Air | Filter to Air | |
| 320-74322-5 | GILBANEPM051321-1999 | Total/NA | Air | Filter to Air | |
| 320-74322-7 | GILBANEPM051321-1200 | Total/NA | Air | Filter to Air | |
| MB 320-495020/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-495020/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-495020/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 495027

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-74322-1 | GILBANEPM051321-1197 | Total/NA | Air | 3050B | 495020 |
| 320-74322-3 | GILBANEPM051321-1198 | Total/NA | Air | 3050B | 495020 |
| 320-74322-5 | GILBANEPM051321-1999 | Total/NA | Air | 3050B | 495020 |
| 320-74322-7 | GILBANEPM051321-1200 | Total/NA | Air | 3050B | 495020 |
| MB 320-495020/1-B | Method Blank | Total/NA | Air | 3050B | 495020 |
| LCS 320-495020/2-B | Lab Control Sample | Total/NA | Air | 3050B | 495020 |
| LCSD 320-495020/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 495020 |

Analysis Batch: 495359

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-74322-1 | GILBANEPM051321-1197 | Total/NA | Air | 6020 | 495027 |
| 320-74322-3 | GILBANEPM051321-1198 | Total/NA | Air | 6020 | 495027 |
| 320-74322-5 | GILBANEPM051321-1999 | Total/NA | Air | 6020 | 495027 |
| 320-74322-7 | GILBANEPM051321-1200 | Total/NA | Air | 6020 | 495027 |
| MB 320-495020/1-B | Method Blank | Total/NA | Air | 6020 | 495027 |
| LCS 320-495020/2-B | Lab Control Sample | Total/NA | Air | 6020 | 495027 |
| LCSD 320-495020/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 495027 |

General Chemistry

Pre Prep Batch: 495157

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-----------------------|-----------|--------|---------------|------------|
| 320-74322-2 | GILBANETSP051321-1197 | Total/NA | Air | Filter to Air | |
| 320-74322-4 | GILBANETSP051321-1198 | Total/NA | Air | Filter to Air | |
| 320-74322-6 | GILBANETSP051321-1999 | Total/NA | Air | Filter to Air | |
| 320-74322-8 | GILBANETSP051321-1200 | Total/NA | Air | Filter to Air | |

Analysis Batch: 495196

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|----------------------|-----------|--------|--------|------------|
| 320-74322-1 | GILBANEPM051321-1197 | Total/NA | Air | PM10 | |
| 320-74322-3 | GILBANEPM051321-1198 | Total/NA | Air | PM10 | |
| 320-74322-5 | GILBANEPM051321-1999 | Total/NA | Air | PM10 | |
| 320-74322-7 | GILBANEPM051321-1200 | Total/NA | Air | PM10 | |

Analysis Batch: 495211

| Lab Sample ID 320-74322-2 | Client Sample ID GILBANETSP051321-1197 | Prep Type Total/NA | Matrix | 40CFR50 App B | Prep Batch 495157 |
|------------------------------|---|-----------------------|--------|---------------|----------------------|
| 320-74322-4 | GILBANETSP051321-1198 | Total/NA | Air | 40CFR50 App B | 495157 |
| 320-74322-6 | GILBANETSP051321-1999 | Total/NA | Air | 40CFR50 App B | 495157 |
| 320-74322-8 | GILBANETSP051321-1200 | Total/NA | Air | 40CFR50 App B | 495157 |

Job ID: 320-74322-1

Matrix: Air

Matrix: Air

9

Lab Sample ID: 320-74322-1

Client Sample ID: GILBANEPM051321-1197 Date Collected: 05/26/21 07:10 Date Received: 05/28/21 09:20

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------|-----|--------|-------------------|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Pre Prep | Filter to Air | | | | | 495020 | 06/03/21 07:15 | NIM | TAL SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 495027 | 06/03/21 07:45 | NIM | TAL SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 495359 | 06/03/21 15:01 | DPM | TAL SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0339 g | 495196 | 05/29/21 00:10 | DPM | TAL SAC |

Client Sample ID: GILBANETSP051321-1197 Date Collected: 05/26/21 07:10 Date Received: 05/28/21 09:20

| Prep Type Total/NA Total/NA | Batch Type Analysis Pre Prep | Batch Method 40CFR50 App B Filter to Air | Run | Dil Factor 1 | Initial Amount | Final Amount | Batch Number 495211 495157 | Prepared or Analyzed 05/29/21 00:10 06/03/21 11:49 | Analyst DPM DPM | Lab TAL SAC TAL SAC |
|-----------------------------------|---------------------------------------|---|-----|--------------------|-------------------|-----------------|-------------------------------------|---|-----------------------|---------------------------|
|-----------------------------------|---------------------------------------|---|-----|--------------------|-------------------|-----------------|-------------------------------------|---|-----------------------|---------------------------|

Client Sample ID: GILBANEPM051321-1198 Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20

| Dren Turne | Batch | Batch Mothed | Dum | Dil | Initial | Final | Batch Number | Prepared | Analyst | l eh |
|------------|----------|-----------------|-----|--------|---------|----------|-----------------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Pre Prep | Filter to Air | | | | | 495020 | 06/03/21 07:15 | NIM | TAL SAC |
| Total/NA | Prep | 3050B | | | 0.08333 | 100 mL | 495027 | 06/03/21 07:45 | NIM | TAL SAC |
| | | | | | Sample | | | | | |
| Total/NA | Analysis | 6020 | | 1 | | | 495359 | 06/03/21 15:04 | DPM | TAL SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0304 g | 495196 | 05/29/21 00:10 | DPM | TAL SAC |

Client Sample ID: GILBANETSP051321-1198 Date Collected: 05/26/21 07:00 Date Received: 05/28/21 09:20

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 40CFR50 App B | | 1 | | - | 495211 | 05/29/21 00:10 | DPM | TAL SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 495157 | 06/03/21 11:49 | DPM | TAL SAC |

Client Sample ID: GILBANEPM051321-1999 Date Collected: 05/27/21 06:45 Date Received: 05/28/21 09:20

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------|-----|--------|-------------------|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Pre Prep | Filter to Air | | | | | 495020 | 06/03/21 07:15 | NIM | TAL SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 495027 | 06/03/21 07:45 | NIM | TAL SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 495359 | 06/03/21 15:08 | DPM | TAL SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0350 g | 495196 | 05/29/21 00:10 | DPM | TAL SAC |

Matrix: Air

| Prepared | | | |
|----------------|---------|-----|--|
| or Analyzed | Analyst | Lab | |
| 05/00/04 00:40 | | | |

Lab Sample ID: 320-74322-3

Lab Sample ID: 320-74322-4

Lab Sample ID: 320-74322-5

Matrix: Air

Matrix: Air
Client Sample ID: GILBANETSP051321-1999 Date Collected: 05/27/21 06:45 Date Received: 05/28/21 09:20

| Ргер Туре | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|---------------|-----------------|-----|---------------|-------------------|-----------------|-----------------|----------------------|---------|---------|
| Total/NA | Analysis | 40CFR50 App B | | 1 | | | 495211 | 05/29/21 00:10 | DPM | TAL SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 495157 | 06/03/21 11:49 | DPM | TAL SAC |

Client Sample ID: GILBANEPM051321-1200 Date Collected: 05/27/21 06:52 Date Received: 05/28/21 09:20

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------|-----|--------|-------------------|----------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Pre Prep | Filter to Air | | | | | 495020 | 06/03/21 07:15 | NIM | TAL SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 495027 | 06/03/21 07:45 | NIM | TAL SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 495359 | 06/03/21 15:11 | DPM | TAL SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0331 g | 495196 | 05/29/21 00:10 | DPM | TAL SAC |

Client Sample ID: GILBANETSP051321-1200 Date Collected: 05/27/21 06:52 Date Received: 05/28/21 09:20

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 40CFR50 App B | | 1 | | | 495211 | 05/29/21 00:10 | DPM | TAL SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 495157 | 06/03/21 11:49 | DPM | TAL SAC |

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Job ID: 320-74322-1

Matrix: Air

Matrix: Air

Lab Sample ID: 320-74322-6 Matrix: Air

Lab Sample ID: 320-74322-7

Lab Sample ID: 320-74322-8

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-74322-1

Laboratory: Eurofins TestAmerica, Sacramento

The accreditations/certifications listed below are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|-----------------------|-----------------------|-----------------|
| ANAB | Dept. of Defense ELAP | L2468 | 01-20-24 |
| Oregon | NELAP | 4040 | 01-30-23 |

| the agency does not o | offer certification. | - | |
|-----------------------|----------------------|--------|------------------------------|
| Analysis Method | Prep Method | Matrix | Analyte |
| 40CFR50 App B | | Air | Total Suspended Particulates |
| PM10 | | Air | Particulate Matter as PM 10 |

6/8/2021 (Rev. 1)

Method Summary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2

| 01 | |
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| 2-1 | |
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| Method | Method Description | Protocol | Laborator |
|---------------|---|----------|-----------|
| 6020 | Metals (ICP/MS) | SW846 | TAL SAC |
| 40CFR50 App B | Suspended Particulate Matter in Ambient Air | EPA | TAL SAC |
| PM10 | Particulate Matter | 40CFR50J | TAL SAC |
| 3050B | Preparation, Metals | SW846 | TAL SAC |
| -ilter to Air | Filter to Air volume ratio | None | TAL SAC |

Protocol References:

40CFR50J = 40 CFR Part 50 Appendix J

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Eurofins TestAmerica, Sacramento

Sample Summary

Client: Gilbane Federal Project/Site: Hunters Point, Parcel E, Phase 2 Job ID: 320-74322-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Asset ID |
|---------------|-----------------------|--------|----------------|----------------|----------|
| 320-74322-1 | GILBANEPM051321-1197 | Air | 05/26/21 07:10 | 05/28/21 09:20 | |
| 320-74322-2 | GILBANETSP051321-1197 | Air | 05/26/21 07:10 | 05/28/21 09:20 | |
| 320-74322-3 | GILBANEPM051321-1198 | Air | 05/26/21 07:00 | 05/28/21 09:20 | |
| 320-74322-4 | GILBANETSP051321-1198 | Air | 05/26/21 07:00 | 05/28/21 09:20 | |
| 320-74322-5 | GILBANEPM051321-1999 | Air | 05/27/21 06:45 | 05/28/21 09:20 | |
| 320-74322-6 | GILBANETSP051321-1999 | Air | 05/27/21 06:45 | 05/28/21 09:20 | |
| 320-74322-7 | GILBANEPM051321-1200 | Air | 05/27/21 06:52 | 05/28/21 09:20 | |
| 320-74322-8 | GILBANETSP051321-1200 | Air | 05/27/21 06:52 | 05/28/21 09:20 | |

Eurofins TestAmerica, Sacramento

Gilbane Federal

CHAIN-OF-CUSTODY

RECORD

1655 Grant Street. Suite 1200, Concord, CA 94520

COC # KT052721AIR



| Pr | oject Name: Hunters Point Sh | | Laboratory: Eurofins Environment Testing TestAmerica-Sacramento, West Sacramento, CA | | | | | | | o, CA | Event: Parcel E Phase 2 Air | | | | | | |
|----|-------------------------------|-----------|--|------|------------------------|---|-----------------|-----------------------|--|-------|-----------------------------|---|----------------|------------|--------------------|------------|-----------------|
| Pr | oject Number: J310000400 | | | | | POC: | | | | | | | | Monitoring | | | |
| W | BS Code: J310000400-016 | | | | | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | | | | | | | | | | | |
| | omments: uipment: | | | | Analytical Test Method | CAAIR - Air PM10 | N0500 - Air TSP | SW6020 - Air Pb Mn Cu | | | | Code Matrix A Air Code Container/Preservativ 1 1x 250-mL Plastic, 4 1 1x Envelope, None | Degrees C | 320-7432 | 2 Chain | of Custody | |
| | Event: Parcel E Phase 2 Air M | Aonitorin | g | | | 1 | 1 | 1 | | | | | | | | | |
| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | | (ft bgs) Bottom | Cooler | Comments |
| 1 | GILBANEPM051321-1197 | A | 05/26/2021 | 0710 | КТ | X | | X | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1702.41 |
| 2 | GILBANETSP051321-1197 | A | 05/26/2021 | 0710 | KT | | X | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1613.37 |
| 3 | GILBANEPM051321-1198 | A | 05/26/2021 | 0700 | КТ | X | | X | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1700.59 |
| 4 | GILBANETSP051321-1198 | A | 05/26/2021 | 0700 | КТ | | Х | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1696.52 |
| 5 | GILBANEPM051321-1999 | A | 05/27/2021 | 0645 | KT | X | | X | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1710.68 |
| 6 | GILBANETSP051321-1999 | A | 05/27/2021 | 0645 | KT | | х | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1610.78 |
| 7 | GILBANEPM051321-1200 | A | 05/27/2021 | 0652 | КТ | X | | X | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1727.59 |
| 8 | GILBANETSP051321-1200 | A | 05/27/2021 | 0652 | КТ | | Х | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1752.53 |
| 9 | | | | | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | | | | | |

| | Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|---------|--|--------|------|--------------------------|----------|------|---|
| 6/8/ | | 5/27/2 | 1500 | Tedfx | 5/22/21 | 1502 | Shipping Date: 5/27/2021 / FedEx 7738 4524 0229 |
| 8/2021 | | | | | 7 (2010) | 0160 | Received by Laboratory: (Signature, Date, Time) & condition |
| (Rev. 1 | Gilbane Navy_COC_Field May 27, 2021 | | | | 26.40 | 1 | |
| \Box | May 27, 2021 | | | | 20.7 | | Page 1 of 1 |

13

Client: Gilbane Federal

Login Number: 74322 List Number: 1

| Question | Answer | Comment |
|--|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td> | True | |
| The cooler's custody seal, if present, is intact. | True | Seal |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | False | |
| Cooler Temperature is acceptable. | True | Ambient |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time (excluding tests with immediate HTs) | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

Job Number: 320-74322-1

List Source: Eurofins TestAmerica, Sacramento

Laboratory Analysis Report

Job ID: 21052245



10100 East Freeway, Suite 100, Houston, TX 77029

http://www.ablabs.com

Client Project Name : HPNS Parcel E Phase II J310000400

| Report To : Client Name | e: Gilbane | Total Number of Pages: | 5 |
|-------------------------|------------------------------------|------------------------|------------------|
| Attn: | | P.O.#. : | J310000400-0015 |
| Client Addro | ess: 1655 Grant Street, Suite 1200 | Date Received : | 05/28/2021 11:25 |
| City, State, | Zip: Concord, California, 94520 | Sample Collected By : | |

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

| Client Sample ID MSE01-052521 | Sample Collection Date & Time 5/25/2021 15:49 | Matrix Cassette | A&B Job Sample ID 21052245.01 |
|----------------------------------|--|---------------------------|----------------------------------|
| MSE02-052521 | 5/25/2021 15:45 | Cassette | 21052245.02 |
| MSE01-052621 | 5/26/2021 15:30 | Cassette | 21052245.03 |
| MSE02-052621 | 5/26/2021 15:39 | Cassette | 21052245.04 |
| | | | |

| Released By: | | |
|--------------|------------------------|-----|
| Title: | Vice President Operati | ons |

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

6/7/2021



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 6/7/2021

Job ID : 21052245 Analytical Method: NIOSH 7400-I2-Aug1994

| Client: Gilbane | 2 | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | | 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 |
| 21052245.01 | MSE01-052521 | 05/25/2021 | Area | 2 | | | 479 | 958 | 100 | 14.0 | 17.834 | 0.007 | | 06/07/21 | |
| 21052245.02 | MSE02-052521 | 05/25/2021 | Area | 2 | | | 491 | 982 | 100 | 17.5 | 22.293 | 0.009 | | 06/07/21 | |
| 21052245.03 | MSE01-052621 | 05/26/2021 | Area | 2 | | | 495 | 990 | 100 | 15.0 | 19.108 | 0.007 | | 06/07/21 | |
| 21052245.04 | MSE02-052621 | 05/26/2021 | Area | 2 | | | 514 | 1028 | 100 | 15.5 | 19.745 | 0.007 | | 06/07/21 | |

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

Sample Condition Checklist



| A&B | JobID : 21052245 | Date Received : 05/28/2021 Time Received | ed : 11:25AM | | |
|---|--|--|--------------------------------------|-----|-------------|
| Clier | t Name : Gilbane | | | | |
| Tem | perature : 21.8-0.1cf=21.7°C | Sample pH : N/A | | | |
| Ther | mometer ID : 1709629 | | | | |
| Pers | ervative : | | | | |
| | | | | | 1 |
| | | Check Points | Yes | No | N/A |
| 1. | Cooler seal present and signed. | | Х | | |
| 2. | Sample(s) in a cooler. | | | Х | |
| 3. | If yes, ice in cooler. | | | | х |
| 4. | Sample(s) received with chain-of-cu | stody. | Х | | |
| 5. | C-O-C signed and dated. | | Х | | |
| 6. | Sample(s) received with signed san | ple custody seal. | | Х | |
| 7. | Sample containers arrived intact. (If | no comment). | Х | | |
| | Matrix Water Soil Liqu | d Sludge Solid Cassette Tube Bulk Badg | je Food | Oth | er |
| 8. | | | | | |
| 8. | | | | |] |
| 8. 9. | Sample(s) were received in appropri | ate container(s). | <u> </u> | | |
| _ | | ate container(s). | x | |] X |
| 9. | Sample(s) were received in appropri | ate container(s). | x x x | | x |
| 9. 10. | Sample(s) were received in appropri | ate container(s). | | | x |
| 9. 10. 11. | Sample(s) were received in appropri Sample(s) were received with prope All samples were logged or labeled. | ate container(s). r preservative | X | | X |
| 9. 10. 11. 12. | Sample(s) were received in appropriate Sample(s) were received with proper All samples were logged or labeled. Sample ID labels match C-O-C ID's | ate container(s). r preservative es found. | x x | | X |
| 9. 10. 11. 12. 13. | Sample(s) were received in appropriate Sample(s) were received with proper All samples were logged or labeled. Sample ID labels match C-O-C ID's Bottle count on C-O-C matches bottle | ate container(s). r preservative es found. yses requested. | x x x x | | x |
| 9. 10. 11. 12. 13. 14. | Sample(s) were received in appropriate Sample(s) were received with proper All samples were logged or labeled. Sample ID labels match C-O-C ID's Bottle count on C-O-C matches bottle Sample volume is sufficient for analysis. | ate container(s). r preservative es found. yses requested. | x x x x x x | | x x x |
| 9. 10. 11. 12. 13. 14. 15. | Sample(s) were received in appropriate app | ate container(s). r preservative es found. yses requested. | x x x x x x | | |
| 9. 10. 11. 12. 13. 14. 15. 16. | Sample(s) were received in appropriate app | ate container(s). r preservative es found. /ses requested. old time. | x x x x x x x x | | |
| 9. 10. 11. 12. 13. 14. 15. 16. 17. 18 Com | Sample(s) were received in appropriate app | ate container(s). r preservative es found. r/ses requested. old time. b-out | x x x x x x x x | | x |
| 9. 10. 11. 12. 13. 14. 15. 16. 17. 18 Com | Sample(s) were received in appropriate appropriate accepted. | ate container(s). r preservative es found. //ses requested. old time. b-out /ve discrepancies/problem: | x x x x x x x x | | x |

Received by :

Check in by/date :

/ 05/28/2021

www.ablabs.com

Event ID: Air Monitoring

Gilbane



COC# KT052721ASB

Chain-Of-Custody

| Project Name and Number: | HPNS Parcel H | E Phase II 13 | 100004 | 00 | - 1 | abor | atory I | Name: A&B Lal | os | | | | Date: _5/ | 27/2021 |
|-------------------------------------|------------------|-------------------|--------------------|-----------------------|-------------------|---------------|-----------|------------------|--------|---------|---------------|----------------|----------------|--------------|
| Project Manager: | | | | | - / | Addre | 1 | 0100 East Fwy S | | Contact | Name: | | Page: 1 | of _1 |
| Site Location: Hunters Poi | nt, San Francisc | co, CA 941 | 24 | | - | |] | Houston TX 77029 | 9 | - | | | | |
| | | | | | | 1 | Analysis: | 1 | | | | | | |
| | | | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Asbestos | ervative: | | | | | | |
| Sample ID | Date | Time | mple | mple 1 | o. of C | mple 1 | No | | | _ | | | Flow Rate | = 2 L/min |
| | | | - | 1 5000 | | | - | ter | | | | | Total Time | e (min) |
| MSE01-052521 | 5/25/2021 | 1549 | NA | NA | 1 | AA | X | | | | | | 479 | |
| MSE02-052521 | 5/25/2021 | The second second | NA | NA | 1 | AA | Х | | | | | | 491 | |
| MSE01-052621 | 5/26/2021 | 1530 | NA | NA | 1 | AA | X | | | | | | 495 | |
| MSE02-052621 | 5/26/2021 | 1539 | NA | NA | 1 | AA | X | | | | | | 514 | |
| | | | - | | | i— | | | | | | | - | |
| | _ | | - | | | 1 | | | | | | | | |
| | | | | | | 1 | | | | | | | | |
| | | | | | | ļ | - | | | | | | 1 | |
| | | | - | | | 1 | | | | | | | 1 | |
| | | | | | | i — | | | | | | | - | |
| Sampled By: | | | | Sample | er: | 1 | | | | | Courier/Airbi | II No.: FedEx/ | 7738 4515 8310 | 1 |
| | | | F | Relinqui | shed B | y/Affilia | ation: | | Date: | Time: | Received By/ | | | Date: Time |
| Signature: Special Instructions: | 2.4 | | | | | | | 10.1 | 1.1 | | | | | |
| Special Instructions | re | | - | | 1. | 1 | A | /Gilbone | 5/27/2 | NO | Filler | | | 51-28-21 112 |
| | | | | | C | / | FE | JEX | 21601 | 21 1125 | | | | 5:28-21 112 |
| Send | | | | | | | | | | | | | | |
| Results to: | | | _ | | | | | | | | | | | |
| Turnaround Time: Standard | | | - | | | | | | | | | | | |
| Turnaround Time: Standard | | | - | | | | | | | | | | | |



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Page 5 of 5

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