



**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

August 1st, 2022 through August 31st, 2022

Approved for public release; distribution is unlimited



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August 1st, 2022 through August 31st, 2022

DCN: GLBN-0005-4332-0103

Prepared for:

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Acronyms and Abbreviations

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

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 Parcel E from August 1st, 2022 through August 31st, 2022 and compares the results with the established action levels presented in the DMCP (Appendix E of the RAWP [Gilbane, 2019a]).

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2.0 Monitoring Site Locations

Air monitoring stations were deployed at one upwind and downwind location from the work area whenever active soil handling operations were in progress. 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 APTIM HPNS - KCASANFR1504 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) and Metals (Copper, Lead, and Manganese)
3. Total suspended particulates (TSP)
4. Radiological air samplers

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3.0 Analytical Methods

3.1 Asbestos

Air samples were sampled and analyzed in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 7400, from the NIOSH Manual of Analytical Methods (NIOSH, 1994). Method 7400 requires that samples be collected on three-piece cellulose ester filters fitted with conductive cowlings at a sampling rate of between 0.5 liters per minute (L/min) and 16 L/min. Each sample was collected over a period of less than 24 hours. Asbestos results were reviewed for anomalies and compliance with the action levels listed below.

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 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 EPA Method 6020 (equivalent to IO-3.5 in the Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air [EPA, 1999])

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 Criteria

| 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 |
| TSP | 0.5 mg/m ³ | Basewide HPNS Level selected to 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 Concentration Values | Occupational and public air concentration limits for ROCs are published in 10 Code of Federal Regulations Part 20, Appendix B. |

Notes:

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

ug/m³ = micrograms per cubic meter

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

fiber/cm³ = fibers per cubic centimeter

HPNS = Hunters Point Naval Shipyard

mg/m³ = milligrams per cubic meter

PEL = permissible exposure limit

PM10 = particulate matter less than 10 microns in diameter

ROC = radionuclide of concern

TSP = total suspended particulates

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5.0 Air Monitoring Results

Weather information (including ambient pressure and temperature data) is presented in the table included as **Attachment 1**. Meteorological data for Stations 1 and 2 were sourced from the Weather Underground (wunderground.com) station APTIM HPNS - KCASANFR1504.

Air Monitoring Data was collected from Station 1 in Parcel E and Station 2 in Parcel D-1 from August 1st, 2022 through August 31st, 2022, during which Gilbane was excavating, grading and maintaining radiological screening yard pads, and transporting excavated material and clean import. Samples were not collected during periods of site inactivity, rain events, and/or while site work was limited to non-earth moving tasks.

Construction and remediation activities conducted from August 1st, 2022 through August 31st, 2022 did not result in the exceedance of the established threshold criteria, as described in detail below.

Asbestos results from August 1st, 2022 through August 31st, 2022 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 August 1st, 2022 through August 31st, 2022 did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 3** and **Attachment 4**.

TSP results from August 1st, 2022 through August 31st, 2022 did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 5**.

Radiological air sampling results from August 1st, 2022 through August 31st, 2022 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. It was noted at sample receipt that the laboratory updated the sample nomenclature for filter naming to reflect the change in company name. No data quality issues were noted. The data should be considered usable for their intended purposes.

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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), 1999. Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Specific Methods.

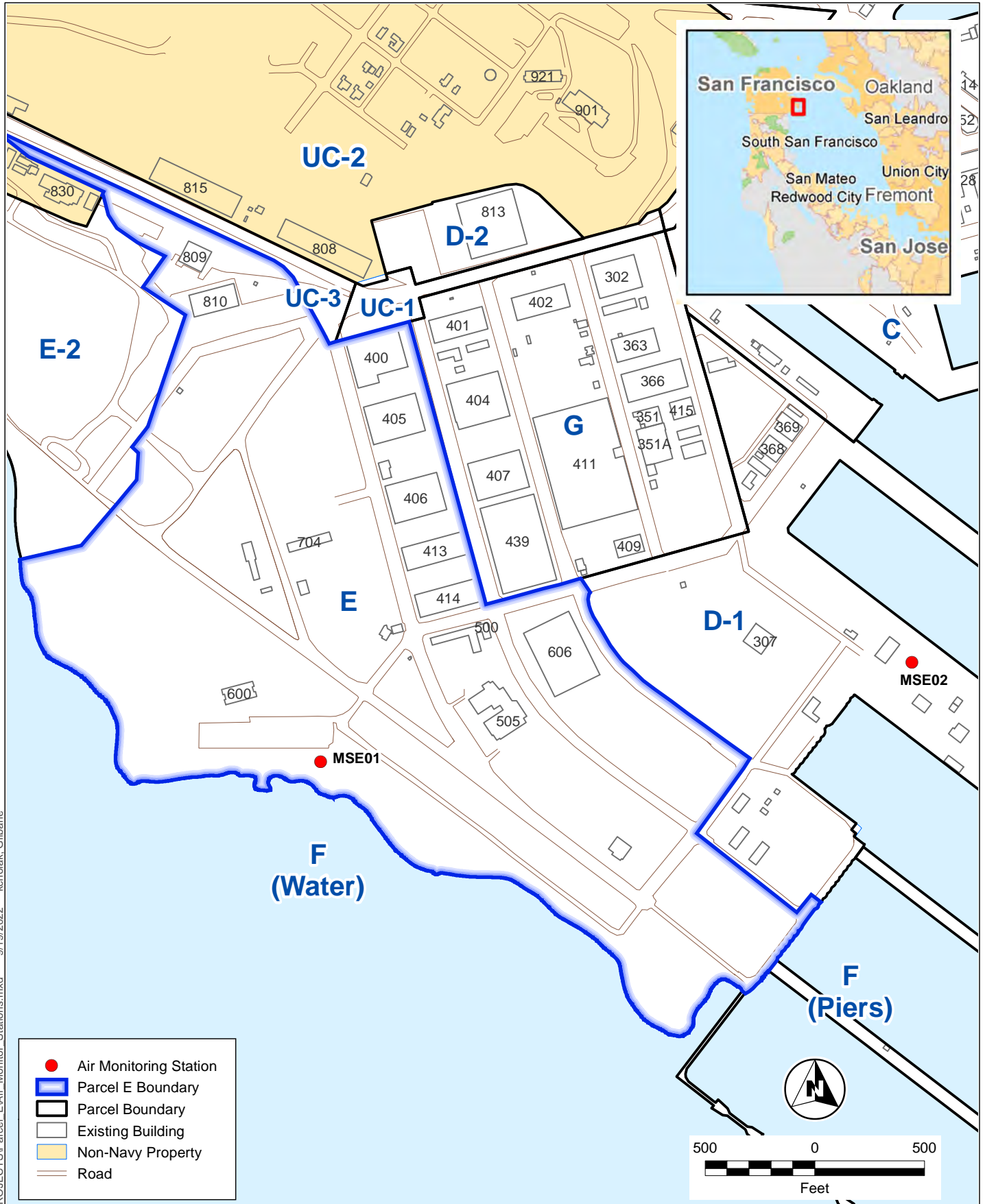
Gilbane Federal, 2019a. Final Remedial Action Work Plan, Parcel E Remedial Action, Phase 2, Hunters Point Naval Shipyard, San Francisco, California. October

Gilbane Federal, 2019b. Radiological Procedure PR-RP-150 *Radiological Survey and Sampling, Version 01*, October 1.

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FIGURES

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Parcel E
Hunters Point Naval Shipyard
San Francisco, California

Figure 2-1
Air Monitoring Stations

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

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

| Start Date | Ambient Pressure (in Hg) | Ambient Temperature (°F) | Prevalent Wind Direction |
|------------|--------------------------|--------------------------|--------------------------|
| 8/1/2022 | 30.06 | 63.49 | WNW |
| 8/2/2022 | 30.07 | 62.29 | W |
| 8/3/2022 | 29.97 | 61.13 | W |
| 8/4/2022 | 29.97 | 65.85 | W |
| 8/8/2022 | 30.06 | 64.58 | W |
| 8/9/2022 | 30.08 | 65.67 | W |
| 8/10/2022 | 30.13 | 66.19 | W |
| 8/11/2022 | 30.15 | 65.64 | W |
| 8/15/2022 | 29.91 | 63.74 | W |
| 8/16/2022 | 29.87 | 64.96 | WNW |
| 8/17/2022 | 29.97 | 60.70 | WNW |
| 8/18/2022 | 30.03 | 61.45 | W |
| 8/22/2022 | 30.05 | 62.67 | W |
| 8/23/2022 | 29.89 | 61.03 | WSW |
| 8/24/2022 | 29.93 | 60.67 | W |
| 8/25/2022 | 30.04 | 65.55 | WSW |
| 8/29/2022 | 30.00 | 62.55 | W |
| 8/30/2022 | 30.07 | 62.68 | W |
| 8/31/2022 | 30.02 | 61.92 | WSW |

Notes:

Data collected using wunderground.com from APTIM HPNS Station - KCASANFR1504

°F = degree Fahrenheit

in Hg = inches of mercury

E = East

N = North

S = South

W = West

ATTACHMENT 2

ASBESTOS MONITORING RESULTS

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Attachment 2: Asbestos Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | | Asbestos Fibers | | |
|--------------------------------------|--------------------------------|--------------------|-------------------------|--------------------------------|-------------------|---|---------------------|
| Sample ID | Sample Start Date ¹ | Monitoring Station | Duration of Run (min) | Total Air Volume Monitored (L) | Asbestos (fibers) | Conc Asbestos (fibers/cm ³) | Exceedance (Yes/No) |
| MSE01-080122 | 08/01/22 | 1 | 520 | 1040 | 2.5 | <0.003 | No |
| MSE02-080122 | 08/01/22 | 2 | 544 | 1088 | 6.0 | 0.003 | No |
| MSE01-080222 | 08/02/22 | 1 | 559 | 1118 | 6.0 | 0.003 | No |
| MSE02-080222 | 08/02/22 | 2 | 558 | 1116 | 3.5 | <0.002 | No |
| MSE01-080322 | 08/03/22 | 1 | 555 | 1110 | 3.0 | <0.002 | No |
| MSE02-080322 | 08/03/22 | 2 | 562 | 1124 | 3.5 | <0.002 | No |
| MSE01-080422 | 08/04/22 | 1 | 488 | 976 | 0.0 | <0.003 | No |
| MSE02-080422 | 08/04/22 | 2 | 482 | 964 | 5.0 | <0.003 | No |
| MSE01-080822 | 08/08/22 | 1 | 554 | 1108 | 5.5 | 0.002 | No |
| MSE02-080822 | 08/08/22 | 2 | 563 | 1126 | 8.5 | 0.004 | No |
| MSE01-080922 | 08/09/22 | 1 | 550 | 1100 | 5.0 | <0.002 | No |
| MSE02-080922 | 08/09/22 | 2 | 551 | 1102 | 6.0 | 0.003 | No |
| MSE01-081022 | 08/10/22 | 1 | 551 | 1102 | 3.5 | <0.002 | No |
| MSE02-081022 | 08/10/22 | 2 | 564 | 1128 | 2.5 | <0.002 | No |
| MSE01-081122 | 08/11/22 | 1 | 529 | 1058 | 5.0 | <0.003 | No |
| MSE02-081122 | 08/11/22 | 2 | 536 | 1072 | 5.5 | 0.003 | No |
| MSE01-081522 | 08/15/22 | 1 | 557 | 1114 | 5.5 | 0.002 | No |
| MSE02-081522 | 08/15/22 | 2 | 558 | 1116 | 1.5 | <0.002 | No |
| MSE01-081622 | 08/16/22 | 1 | 572 | 1144 | 5.0 | <0.002 | No |
| MSE02-081622 | 08/16/22 | 2 | 561 | 1122 | 2.5 | <0.002 | No |
| MSE01-081722 | 08/17/22 | 1 | 557 | 1114 | 5.5 | 0.002 | No |
| MSE02-081722 | 08/17/22 | 2 | 556 | 1112 | 2.0 | <0.002 | No |
| MSE01-081822 | 08/18/22 | 1 | 499 | 998 | 4.5 | <0.003 | No |
| MSE02-081822 | 08/18/22 | 2 | 498 | 996 | 2.0 | <0.003 | No |
| MSE01-082222 | 08/22/22 | 1 | 531 | 1062 | 6.0 | 0.003 | No |
| MSE02-082222 | 08/22/22 | 2 | 557 | 1114 | 5.5 | 0.002 | No |
| MSE01-082322 | 08/23/22 | 1 | 549 | 1098 | 8.5 | 0.008 | No |
| MSE02-082322 | 08/23/22 | 2 | 551 | 1102 | 9.0 | 0.008 | No |
| MSE01-082422 | 08/24/22 | 1 | 558 | 1116 | 2.0 | <0.002 | No |
| MSE02-082422 | 08/24/22 | 2 | 573 | 1146 | 1.5 | <0.002 | No |
| MSE01-082522 | 08/25/22 | 1 | 548 | 1096 | 6.5 | 0.003 | No |
| MSE02-082522 | 08/25/22 | 2 | 556 | 1112 | 1.0 | <0.002 | No |
| MSE01-082922 | 08/29/22 | 1 | 502 | 1004 | 4.5 | <0.003 | No |
| MSE02-082922 | 08/29/22 | 2 | 499 | 998 | 2.5 | <0.003 | No |
| MSE01-083022 | 08/30/22 | 1 | 556 | 1112 | 12.5 | 0.006 | No |
| MSE02-083022 | 08/30/22 | 2 | 548 | 1096 | 5.5 | 0.002 | No |
| MSE01-083122 | 08/31/22 | 1 | 505 | 1010 | 6.5 | 0.003 | No |
| MSE02-083122 | 08/31/22 | 2 | 501 | 1002 | 2.0 | <0.003 | No |

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

L = liter

min = minutes

fibers/cm³ = fibers per cubic centimeter

< = below detection limit

ATTACHMENT 3
PARTICULATE MATTER, SMALLER THAN TEN MICRONS
(PM10) MONITORING RESULTS

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

| Sample, Date and Station Information | | | Sampler Run Information | PM10 | | | | | | |
|--------------------------------------|--------------------|------------------------------|--|---|--|--|-----------------------------------|---------------------|---|---------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concentration in Air (mg/m ³) | Delta between Downwind and Upwind (mg/m ³) | Delta between Downwind and Upwind (ug/m ³) | Cal/OSHA PEL (ug/m ³) | Exceedance (Yes/No) | HERO Action Level ³ (ug/m ³) | Exceedance (Yes/No) |
| GES_PM061322-68 | 1 | 08/02/22 | 1699.52 | 0.016 | | | | | | |
| GES_PM061322-69 | 2 | 08/02/22 | 1744.41 | 0.014 | -0.0020 | -2.0 | 5,000 | No | 50 | No |
| GES_PM061322-70 | 1 | 08/03/22 | 1746.98 | 0.019 | | | | | | |
| GES_PM061322-71 | 2 | 08/03/22 | 1752.39 | 0.021 | 0.0020 | 2.0 | 5,000 | No | 50 | No |
| GES_PM071122-109 | 1 | 08/04/22 | 1741.44 | 0.011 | | | | | | |
| GES_PM061322-72 | 2 | 08/04/22 | 1736.07 | 0.017 | 0.0060 | 6.0 | 5,000 | No | 50 | No |
| GES_PM071122-110 | 1 | 8/4/2022 ² | 584.14 | 0.017 J | | | | | | |
| GES_PM071122-111 | 2 | 8/4/2022 ² | 587.83 | 0.036 | 0.0190 | 19.0 | 5,000 | No | 50 | No |
| GES_PM071122-112 | 1 | 08/09/22 | 1720.61 | 0.0053 | | | | | | |
| GES_PM071122-113 | 2 | 08/09/22 | 1311.5 | 0.0076 | 0.0023 | 2.3 | 5,000 | No | 50 | No |
| GES_PM071122-114 | 1 | 08/10/22 | 1736.49 | 0.013 | | | | | | |
| GES_PM071122-115 | 2 | 08/10/22 | 1759.22 | 0.013 | 0.0000 | 0.0 | 5,000 | No | 50 | No |
| GES_PM071122-116 | 1 | 08/11/22 | 1748.36 | 0.012 | | | | | | |
| GES_PM071122-117 | 2 | 08/11/22 | 1754.52 | 0.011 | -0.0010 | -1.0 | 5,000 | No | 50 | No |
| GES_PM071122-119 | 1 | 8/11/2022 ² | 634.23 | 0.015 | | | | | | |
| GES_PM071122-118 | 2 | 8/11/2022 ² | 638.21 | 0.011 | -0.0040 | -4.0 | 5,000 | No | 50 | No |
| GES_PM071122-120 | 1 | 08/16/22 | 1737.1 | 0.022 | | | | | | |
| GES_PM071122-121 | 2 | 08/16/22 | 1776.41 | 0.025 | 0.0030 | 3.0 | 5,000 | No | 50 | No |
| GES_PM071122-122 | 1 | 08/17/22 | 1746.12 | 0.021 | | | | | | |
| GES_PM071122-123 | 2 | 08/17/22 | 1751.14 | 0.018 | -0.0030 | -3.0 | 5,000 | No | 50 | No |
| GES_PM071122-124 | 1 | 08/18/22 | 1739.78 | 0.012 | | | | | | |
| GES_PM071122-125 | 2 | 08/18/22 | 1751.67 | 0.0058 | -0.0046 | -4.6 | 5,000 | No | 50 | No |
| GES_PM071122-126 | 1 | 8/18/2022 ² | 596.13 | 0.01 | | | | | | |
| GESPM072622-127 | 2 | 8/18/2022 ² | 605.48 | 0.0073 | -0.0027 | -2.7 | 5,000 | No | 50 | No |
| GESTSP072622-128 | 1 | 08/23/22 | 1727.41 | 0.034 | | | | | | |
| GESTSP072622-129 | 2 | 08/23/22 | 1785.5 | 0.026 | -0.0080 | -8.0 | 5,000 | No | 50 | No |
| GES_PM071122-130 | 1 | 08/24/22 | 1732.88 | 0.027 | | | | | | |
| GES_PM071122-131 | 2 | 08/24/22 | 1745.46 | 0.010 | -0.0170 | -17.0 | 5,000 | No | 50 | No |
| GES_PM071122-132 | 1 | 08/25/22 | 1744.41 | 0.0076 | | | | | | |
| GESPM072622-133 | 2 | 08/25/22 | 1775.43 | 0.0068 | -0.0008 | -0.8 | 5,000 | No | 50 | No |
| GESTSP072622-134 | 1 | 8/25/2022 ² | 650.09 | 0.017 | | | | | | |
| GESTSP072622-135 | 2 | 8/25/2022 ² | 658.95 | 0.0046 | -0.0124 | -12.4 | 5,000 | No | 50 | No |
| GES_PM071122-136 | 1 | 08/30/22 | 1617.27 | 0.023 | | | | | | |
| GES_PM071122-137 | 2 | 08/30/22 | 1709.56 | 0.020 | -0.0030 | -3.0 | 5,000 | No | 50 | No |
| GES_PM071122-138 | 1 | 08/31/22 | 834.09 | 0.055 | | | | | | |
| GESPM072622-139 | 2 | 08/31/22 | 835.85 | 0.025 | -0.0300 | -30.0 | 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.

³PM10 data is additionally compared to the recommended dust action level of 50 ug/m³ for total PM10 in accordance with the DTSC Human and Ecological Risk Office (HERO) Parcel E Memorandum dated April 29, 2019 (DTSC, 2019) for informational purposes only.

Samples analyzed by Eurofins TestAmerica

Sample locations are shown on Figure 2-1

Cal/OSHA = California Division of Occupational Safety and Health

HERO = Human and Ecological Risk Office

m³ = cubic meters

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

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Attachment 4: Copper, Lead, and Manganese Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | Copper | | Lead | | Manganese | |
|--------------------------------------|--------------------|------------------------------|--|---|---------------------|---|---------------------|---|---------------------|
| Sample ID | Monitoring Station | Sample End Date ¹ | Total Air Volume Monitored (m ³) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) | Concentration in Air (mg/m ³) | Exceedance (Yes/No) |
| GES_PM061322-68 | 1 | 08/02/22 | 1699.52 | 0.000019 | No | 0.0000021 | No | 0.0000054 | No |
| GES_PM061322-69 | 2 | 08/02/22 | 1744.41 | 0.000034 | No | 0.0000014 | No | 0.0000042 | No |
| GES_PM061322-70 | 1 | 08/03/22 | 1746.98 | 0.000015 | No | 0.0000039 | No | 0.0000088 | No |
| GES_PM061322-71 | 2 | 08/03/22 | 1752.39 | 0.000053 | No | 0.0000033 | No | 0.0000091 | No |
| GES_PM071122-109 | 1 | 08/04/22 | 1741.44 | 0.000013 | No | 0.0000013 | No | 0.0000031 J+ | No |
| GES_PM061322-72 | 2 | 08/04/22 | 1736.07 | 0.000049 | No | 0.0000017 | No | 0.0000047 | No |
| GES_PM071122-110 | 1 | 8/4/2022 ² | 584.14 | 0.000027 | No | 0.0000029 | No | 0.0000063 | No |
| GES_PM071122-111 | 2 | 8/4/2022 ² | 587.83 | 0.000078 | No | 0.0000051 | No | 0.000013 | No |
| GES_PM071122-112 | 1 | 08/09/22 | 1720.61 | 0.000011 | No | 0.0000015 | No | 0.0000038 | No |
| GES_PM071122-113 | 2 | 08/09/22 | 1311.5 | 0.000013 | No | 0.0000024 | No | 0.0000053 | No |
| GES_PM071122-114 | 1 | 08/10/22 | 1736.49 | 0.000012 | No | 0.0000027 | No | 0.0000056 | No |
| GES_PM071122-115 | 2 | 08/10/22 | 1759.22 | 0.0000076 | No | 0.0000031 | No | 0.0000054 | No |
| GES_PM071122-116 | 1 | 08/11/22 | 1748.36 | 0.000021 | No | 0.0000032 | No | 0.000005 | No |
| GES_PM071122-117 | 2 | 08/11/22 | 1754.52 | 0.000013 | No | 0.0000029 | No | 0.0000054 | No |
| GES_PM071122-119 | 1 | 8/11/2022 ² | 634.23 | 0.000021 | No | 0.0000026 | No | 0.0000064 | No |
| GES_PM071122-118 | 2 | 8/11/2022 ² | 638.21 | 0.00002 | No | 0.0000027 | No | 0.0000066 | No |
| GES_PM071122-120 | 1 | 08/16/22 | 1737.1 | 0.000018 | No | 0.0000029 | No | 0.0000089 | No |
| GES_PM071122-121 | 2 | 08/16/22 | 1776.41 | 0.000011 | No | 0.0000015 | No | 0.0000055 | No |
| GES_PM071122-122 | 1 | 08/17/22 | 1746.12 | 0.000026 | No | 0.0000027 | No | 0.00001 | No |
| GES_PM071122-123 | 2 | 08/17/22 | 1751.14 | 0.000014 | No | 0.0000015 | No | 0.0000056 | No |
| GES_PM071122-124 | 1 | 08/18/22 | 1739.78 | 0.000019 | No | 0.0000028 | No | 0.0000078 | No |
| GES_PM071122-125 | 2 | 08/18/22 | 1751.67 | 0.0000068 | No | 0.0000013 | No | 0.0000045 | No |
| GES_PM071122-126 | 1 | 8/18/2022 ² | 596.13 | 0.000024 | No | 0.0000038 | No | 0.0000097 | No |
| GESTSP072622-127 | 2 | 8/18/2022 ² | 605.48 | 0.000017 | No | 0.0000018 J | No | 0.0000057 | No |
| GESTSP072622-128 | 1 | 08/23/22 | 1727.41 | 0.000047 | No | 0.0000067 | No | 0.000015 | No |
| GESTSP072622-129 | 2 | 08/23/22 | 1785.5 | 0.000026 | No | 0.000011 | No | 0.000016 | No |
| GES_PM071122-130 | 1 | 08/24/22 | 1732.88 | 0.000037 | No | 0.0000072 | No | 0.000017 | No |
| GES_PM071122-131 | 2 | 08/24/22 | 1745.46 | 0.00003 | No | 0.0000018 | No | 0.0000047 | No |
| GESTSP072622-132 | 1 | 08/25/22 | 1744.41 | 0.000033 | No | 0.0000014 | No | 0.0000049 | No |
| GESTSP072622-133 | 2 | 08/25/22 | 1775.43 | 0.000013 | No | 0.0000013 | No | 0.0000036 | No |
| GESTSP072622-134 | 1 | 8/25/2022 ² | 650.09 | 0.000056 | No | 0.0000056 | No | 0.000012 | No |
| GES_PM071122-135 | 2 | 8/25/2022 ² | 658.95 | 0.000029 | No | 0.0000019 | No | 0.0000043 | No |
| GES_PM071122-136 | 1 | 08/30/22 | 1617.27 | 0.000025 | No | 0.0000032 | No | 0.0000076 | No |
| GESTSP072622-137 | 2 | 08/30/22 | 1709.56 | 0.000028 | No | 0.0000023 | No | 0.0000039 | No |
| GESTSP072622-138 | 1 | 08/31/22 | 834.09 | 0.000053 | No | 0.000033 | No | 0.000058 | No |
| GESTSP072622-139 | 2 | 08/31/22 | 835.85 | 0.000014 | No | 0.000003 | No | 0.0000061 | 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

m³ = cubic meters

mg/m³ = milligrams per cubic meter

J = estimated concentration. See data review report for details.

ATTACHMENT 5
TOTAL SUSPENDED PARTICULATES
MONITORING RESULTS

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Attachment 5: Total Suspended Particulates Monitoring Results

| Sample, Date and Station Information | | | Sampler Run Information | 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 Downwind and Upwind (mg/m ³) | Basewide HPNS Level (mg/m ³) | Exceedance (Yes/No) |
| GES_PM061322-68 | 1 | 08/02/22 | 1637.04 | 0.0246176 | | | |
| GES_PM061322-69 | 2 | 08/02/22 | 1721.61 | 0.0207364 | -0.004 | 0.5 | No |
| GES_PM061322-70 | 1 | 08/03/22 | 1684.47 | 0.0288518 | | | |
| GES_PM061322-71 | 2 | 08/03/22 | 1742.12 | 0.0319151 | 0.003 | 0.5 | No |
| GES_PM071122-109 | 1 | 08/04/22 | 1687.03 | 0.009247 | | | |
| GES_PM061322-72 | 2 | 08/04/22 | 1732.5 | 0.0244156 | 0.015 | 0.5 | No |
| GES_PM071122-110 | 1 | 8/4/2022 ² | 564.55 | 0.0076167 J | | | |
| GES_PM071122-111 | 2 | 8/4/2022 ² | 608.07 | 0.041936 | 0.034 J | 0.5 | No |
| GES_PM071122-112 | 1 | 08/09/22 | 1659.58 | 0.0150038 | | | |
| GES_PM071122-113 | 2 | 08/09/22 | 1286.21 | 0.0279892 | 0.013 | 0.5 | No |
| GES_PM071122-114 | 1 | 08/10/22 | 1657.22 | 0.0230507 | | | |
| GES_PM071122-115 | 2 | 08/10/22 | 1747.02 | 0.0302229 | 0.007 | 0.5 | No |
| GES_PM071122-116 | 1 | 08/11/22 | 1662.91 | 0.0231522 | | | |
| GES_PM071122-117 | 2 | 08/11/22 | 1749.74 | 0.0280613 | 0.005 | 0.5 | No |
| GES_PM071122-118 | 1 | 8/11/2022 ² | 603.47 | 0.022702 | | | |
| GES_PM071122-119 | 2 | 8/11/2022 ² | 634.65 | 0.0149689 | -0.008 | 0.5 | No |
| GES_PM071122-120 | 1 | 08/16/22 | 1648.34 | 0.0529624 | | | |
| GES_PM071122-121 | 2 | 08/16/22 | 1750.5 | 0.0497001 | -0.003 | 0.5 | No |
| GES_PM071122-122 | 1 | 08/17/22 | 1653.43 | 0.0445135 | | | |
| GES_PM071122-123 | 2 | 08/17/22 | 1750.21 | 0.0322818 | -0.012 | 0.5 | No |
| GES_PM071122-124 | 1 | 08/18/22 | 1654.36 | 0.0319761 | | | |
| GES_PM071122-125 | 2 | 08/18/22 | 1752.18 | 0.0228287 | -0.0297 | 0.5 | No |
| GES_PM071122-126 | 1 | 8/18/2022 ² | 562.5 | 0.0296889 | | | |
| GESPM072622-127 | 2 | 8/18/2022 ² | 601.44 | 0.0299282 | 0.0002 | 0.5 | No |
| GESTSP072622-128 | 1 | 08/23/22 | 1643.26 | 0.0614023 | | | |
| GESTSP072622-129 | 2 | 08/23/22 | 1750.66 | 0.0745433 | 0.013 | 0.5 | No |
| GES_PM071122-130 | 1 | 08/24/22 | 1649.45 | 0.0547455 | | | |
| GES_PM071122-131 | 2 | 08/24/22 | 1751.38 | 0.0243808 | -0.030 | 0.5 | No |
| GES_PM071122-132 | 1 | 08/25/22 | 1668.13 | 0.0128287 | | | |
| GESPM072622-133 | 2 | 08/25/22 | 1623.11 | 0.0168196 | 0.004 | 0.5 | No |
| GESTSP072622-134 | 1 | 8/25/2022 ² | 616.67 | 0.0548105 | | | |
| GESTSP072622-135 | 2 | 8/25/2022 ² | 654.05 | 0.0214051 | -0.033 | 0.5 | No |
| GES_PM071122-136 | 1 | 08/29/22 | 1606.13 | 0.0351777 | | | |
| GES_PM071122-137 | 2 | 08/29/22 | 1706.57 | 0.0359786 | 0.001 | 0.5 | No |
| GESPM072622-138 | 1 | 08/30/22 | 803.7 | 0.0934428 | | | |
| GESTSP072622-139 | 2 | 08/30/22 | 832.61 | 0.0468407 | -0.047 | 0.5 | 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

HPNS = Hunters Point Naval Shipyard

J = estimated concentration. See data review report for details.

m³ = cubic meters

mg/m³ = milligrams per cubic meter

ATTACHMENT 6
AIR SAMPLING RESULTS –
PUBLIC EXPOSURE MONITORING

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AIR SAMPLE RESULTS - PUBLIC EXPOSURE MONITORING

| Project Information | | | | | | | | | Effluent Air Concentration | | | | Sampling Period | | | | Color Codes | | | | | |
|--|-------------|-----------------|---|---------------------|----------------|-------------------------|--------------------|-------------|----------------------------|------------------------|------------|---|-----------------|-------|---------|---|---|---------|-------------------|----------|------------|---------------|
| Contract / Task Order Number: | | | Project Title / Location: | | | Gilbane Project Number: | | | | Alpha | Beta | Air samples collected between 01 Aug 2022 and 31 Aug 2022 | | | | Value < 0.1 x Effluent Conc (i.e., < 10%) | | | | | | |
| N62473-17-D-0005 / F4332 | | | HPNSParcel E Phase 2 RA / San Francisco, CA | | | J310000400 | | | | Radionuclide | Ra-226 | | | | | Sr-90 | Value > 0.1 x Effluent Conc (i.e., > 10%) | | | | | |
| Information effective as of: 13 Sep 2022 | | | | | | | | | | Effluent Conc (µCi/ml) | 9.E-13 | | | | | 6.E-12 | Value > Effluent Conc (i.e., > 100%) | | | | | |
| Sample Collection | | | | | | | | | Count Information | | | | | | | Sample Results | | | | Initials | | |
| Sample Number | Sample Type | Sample Location | Equip No | Ave Flow Rate (lpm) | Start Day Time | End Date Time | Elapsed Time (min) | Volume (ml) | Inst No | Count Date | Time (min) | Counting Units | Gross Activity | | Net dpm | | Activity (µCi/ml) | | Effluent Conc (%) | | Count Tech | Data Reviewer |
| | | | | | | | | | | | | | Alpha | Beta | Alpha | Beta | Alpha | Beta | Alpha | Beta | | |
| AS-0635 | Perimeter | MSE01 | PE13 | 50 | 8/1/22 7:00 | 8/1/22 15:55 | 535 | 2.7E+07 | E | 08/08/22 | 1 | cpm | 0.05 | 4.20 | 0.3 | 9.1 | 5.3E-15 | 1.5E-13 | 0.6% | 2.6% | DFB | BCS |
| AS-0636 | Perimeter | MSE02 | PE14 | 50 | 8/1/22 7:05 | 8/1/22 15:59 | 534 | 2.7E+07 | E | 08/08/22 | 1 | cpm | 0.40 | 5.10 | 2.5 | 11.8 | 4.2E-14 | 2.0E-13 | 4.7% | 3.3% | DFB | BCS |
| AS-0637 | Perimeter | MSE01 | PE13 | 50 | 8/2/22 3:57 | 8/2/22 15:47 | 710 | 3.5E+07 | E | 08/08/22 | 1 | cpm | 0.20 | 4.60 | 1.3 | 10.3 | 1.6E-14 | 1.3E-13 | 1.8% | 2.2% | DFB | BCS |
| AS-0638 | Perimeter | MSE02 | PE14 | 50 | 8/2/22 3:50 | 8/2/22 16:02 | 732 | 3.7E+07 | E | 08/08/22 | 1 | cpm | 0.15 | 5.35 | 0.9 | 12.6 | 1.2E-14 | 1.5E-13 | 1.3% | 2.6% | DFB | BCS |
| AS-0639 | Perimeter | MSE01 | PE13 | 50 | 8/3/22 3:50 | 8/3/22 16:15 | 745 | 3.7E+07 | E | 08/08/22 | 1 | cpm | 0.10 | 4.55 | 0.6 | 10.2 | 7.6E-15 | 1.2E-13 | 0.8% | 2.0% | DFB | BCS |
| AS-0640 | Perimeter | MSE02 | PE14 | 50 | 8/3/22 3:57 | 8/3/22 16:07 | 730 | 3.7E+07 | E | 08/08/22 | 1 | cpm | 0.35 | 5.10 | 2.2 | 11.8 | 2.7E-14 | 1.5E-13 | 3.0% | 2.4% | DFB | BCS |
| AS-0641 | Perimeter | MSE01 | PE13 | 50 | 8/4/22 3:35 | 8/4/22 14:37 | 662 | 3.3E+07 | E | 08/08/22 | 1 | cpm | 0.15 | 3.95 | 0.9 | 8.3 | 1.3E-14 | 1.1E-13 | 1.4% | 1.9% | DFB | BCS |
| AS-0642 | Perimeter | MSE02 | PE14 | 50 | 8/4/22 3:29 | 8/4/22 14:46 | 677 | 3.4E+07 | E | 08/08/22 | 1 | cpm | 0.10 | 4.05 | 0.6 | 8.6 | 8.4E-15 | 1.1E-13 | 0.9% | 1.9% | DFB | BCS |
| AS-0643 | Perimeter | MSE01 | PE13 | 50 | 8/8/22 6:40 | 8/8/22 16:12 | 572 | 2.9E+07 | E | 08/15/22 | 1 | cpm | 0.05 | 4.00 | 0.3 | 8.5 | 5.0E-15 | 1.3E-13 | 0.6% | 2.2% | DFB | BCS |
| AS-0644 | Perimeter | MSE02 | PE14 | 50 | 8/8/22 6:50 | 8/8/22 16:08 | 558 | 2.8E+07 | E | 08/15/22 | 1 | cpm | 0.25 | 4.30 | 1.6 | 9.4 | 2.5E-14 | 1.5E-13 | 2.8% | 2.5% | DFB | BCS |
| AS-0645 | Perimeter | MSE01 | PE13 | 50 | 8/9/22 3:36 | 8/9/22 15:57 | 741 | 3.7E+07 | E | 08/15/22 | 1 | cpm | 0.15 | 3.30 | 0.9 | 6.4 | 1.1E-14 | 7.7E-14 | 1.3% | 1.3% | DFB | BCS |
| AS-0646 | Perimeter | MSE02 | PE14 | 50 | 8/9/22 3:30 | 8/9/22 16:00 | 750 | 3.7E+07 | E | 08/15/22 | 1 | cpm | 0.05 | 4.40 | 0.3 | 9.7 | 3.8E-15 | 1.2E-13 | 0.4% | 1.9% | DFB | BCS |
| AS-0647 | Perimeter | MSE01 | PE13 | 50 | 8/10/22 3:45 | 8/10/22 15:41 | 716 | 3.6E+07 | E | 08/15/22 | 1 | cpm | 0.15 | 3.60 | 0.9 | 7.3 | 1.2E-14 | 9.2E-14 | 1.3% | 1.5% | DFB | BCS |
| AS-0648 | Perimeter | MSE02 | PE14 | 50 | 8/10/22 3:52 | 8/10/22 15:46 | 714 | 3.6E+07 | E | 08/15/22 | 1 | cpm | 0.10 | 4.05 | 0.6 | 8.6 | 7.9E-15 | 1.1E-13 | 0.9% | 1.8% | DFB | BCS |
| AS-0649 | Perimeter | MSE01 | PE13 | 50 | 8/11/22 4:03 | 8/11/22 15:16 | 673 | 3.4E+07 | E | 08/15/22 | 1 | cpm | 0.20 | 3.95 | 1.3 | 8.3 | 1.7E-14 | 1.1E-13 | 1.9% | 1.9% | DFB | BCS |
| AS-0650 | Perimeter | MSE02 | PE14 | 50 | 8/11/22 3:55 | 8/11/22 15:23 | 688 | 3.4E+07 | E | 08/15/22 | 1 | cpm | 0.10 | 3.60 | 0.6 | 7.3 | 8.2E-15 | 9.5E-14 | 0.9% | 1.6% | DFB | BCS |
| AS-0651 | Perimeter | MSE01 | PE13 | 50 | 8/15/22 6:45 | 8/15/22 16:10 | 565 | 2.8E+07 | E | 08/22/22 | 1 | cpm | 0.05 | 4.90 | 0.3 | 11.2 | 5.0E-15 | 1.8E-13 | 0.6% | 3.0% | DFB | BCS |
| AS-0652 | Perimeter | MSE02 | PE14 | 50 | 8/15/22 6:42 | 8/15/22 16:04 | 562 | 2.8E+07 | E | 08/22/22 | 1 | cpm | 0.35 | 4.75 | 2.2 | 10.8 | 3.5E-14 | 1.7E-13 | 3.9% | 2.9% | DFB | BCS |
| AS-0653 | Perimeter | MSE01 | PE13 | 50 | 8/16/22 3:20 | 8/16/22 15:56 | 756 | 3.8E+07 | E | 08/22/22 | 1 | cpm | 0.15 | 33.50 | 0.9 | 97.9 | 1.1E-14 | 1.2E-12 | 1.2% | 19.4% | DFB | BCS |
| AS-0654 | Perimeter | MSE02 | PE14 | 50 | 8/16/22 3:13 | 8/16/22 16:08 | 775 | 3.9E+07 | E | 08/22/22 | 1 | cpm | 0.15 | 3.90 | 0.9 | 8.2 | 1.1E-14 | 9.5E-14 | 1.2% | 1.6% | DFB | BCS |
| AS-0655 | Perimeter | MSE01 | PE13 | 50 | 8/17/22 3:17 | 8/17/22 15:42 | 745 | 3.7E+07 | E | 08/22/22 | 1 | cpm | 0.05 | 4.25 | 0.3 | 9.2 | 3.8E-15 | 1.1E-13 | 0.4% | 1.9% | DFB | BCS |
| AS-0656 | Perimeter | MSE02 | PE14 | 50 | 8/17/22 3:10 | 8/17/22 15:46 | 756 | 3.8E+07 | E | 08/22/22 | 1 | cpm | 0.00 | 4.80 | 0.0 | 10.9 | 0.0E+00 | 1.3E-13 | 0.0% | 2.2% | DFB | BCS |
| AS-0657 | Perimeter | MSE01 | PE13 | 50 | 8/18/22 3:25 | 8/18/22 14:24 | 659 | 3.3E+07 | E | 08/22/22 | 1 | cpm | 0.15 | 3.45 | 0.9 | 6.8 | 1.3E-14 | 9.3E-14 | 1.4% | 1.6% | DFB | BCS |
| AS-0658 | Perimeter | MSE02 | PE14 | 50 | 8/18/22 3:30 | 8/18/22 14:20 | 650 | 3.2E+07 | E | 08/22/22 | 1 | cpm | 0.05 | 4.25 | 0.3 | 9.2 | 4.4E-15 | 1.3E-13 | 0.5% | 2.1% | DFB | BCS |
| AS-0659 | Perimeter | MSE01 | PE13 | 50 | 8/22/22 6:55 | 8/22/22 15:57 | 542 | 2.7E+07 | E | 08/29/22 | 1 | cpm | 0.15 | 4.15 | 0.9 | 8.9 | 1.6E-14 | 1.5E-13 | 1.7% | 2.5% | DFB | BCS |
| AS-0660 | Perimeter | MSE02 | PE14 | 50 | 8/22/22 6:50 | 8/22/22 15:51 | 541 | 2.7E+07 | E | 08/29/22 | 1 | cpm | 0.20 | 3.80 | 1.3 | 7.9 | 2.1E-14 | 1.3E-13 | 2.3% | 2.2% | DFB | BCS |
| AS-0661 | Perimeter | MSE01 | PE13 | 50 | 8/23/22 3:10 | 8/23/22 15:54 | 764 | 3.8E+07 | E | 08/29/22 | 1 | cpm | 0.20 | 3.65 | 1.3 | 7.4 | 1.5E-14 | 8.8E-14 | 1.6% | 1.5% | DFB | BCS |
| AS-0662 | Perimeter | MSE02 | PE14 | 50 | 8/23/22 3:17 | 8/23/22 15:59 | 762 | 3.8E+07 | E | 08/29/22 | 1 | cpm | 0.05 | 4.25 | 0.3 | 9.2 | 3.7E-15 | 1.1E-13 | 0.4% | 1.8% | DFB | BCS |
| AS-0663 | Perimeter | MSE01 | PE13 | 50 | 8/24/22 3:15 | 8/24/22 16:07 | 772 | 3.9E+07 | E | 08/29/22 | 1 | cpm | 0.20 | 3.95 | 1.3 | 8.3 | 1.5E-14 | 9.7E-14 | 1.6% | 1.6% | DFB | BCS |
| AS-0664 | Perimeter | MSE02 | PE14 | 50 | 8/24/22 3:22 | 8/24/22 16:04 | 762 | 3.8E+07 | E | 08/29/22 | 1 | cpm | 0.20 | 4.75 | 1.3 | 10.8 | 1.5E-14 | 1.3E-13 | 1.7% | 2.1% | DFB | BCS |
| AS-0665 | Perimeter | MSE01 | PE13 | 50 | 8/25/22 3:22 | 8/25/22 15:43 | 741 | 3.7E+07 | E | 08/29/22 | 1 | cpm | 0.30 | 3.15 | 1.9 | 5.9 | 2.3E-14 | 7.2E-14 | 2.5% | 1.2% | DFB | BCS |



AIR SAMPLE RESULTS - PUBLIC EXPOSURE MONITORING

| Project Information | | | | | | | | | Effluent Air Concentration | | | | Sampling Period | | | | Color Codes | | | | | |
|--|-------------|-----------------|---|---------------------|----------------|-------------------------|--------------------|-------------|----------------------------|------------------------|------------|---|-----------------|------|---------|---|---|---------|-------------------|------|------------|---------------|
| Contract / Task Order Number: | | | Project Title / Location: | | | Gilbane Project Number: | | | | Alpha | Beta | Air samples collected between 01 Aug 2022 and 31 Aug 2022 | | | | Value < 0.1 x Effluent Conc (i.e., < 10%) | | | | | | |
| N62473-17-D-0005 / F4332 | | | HPNSParcel E Phase 2 RA / San Francisco, CA | | | J310000400 | | | | Radionuclide | Ra-226 | | | | | Sr-90 | Value > 0.1 x Effluent Conc (i.e., > 10%) | | | | | |
| Information effective as of: 13 Sep 2022 | | | | | | | | | | Effluent Conc (µCi/ml) | 9.E-13 | | | | | 6.E-12 | Value > Effluent Conc (i.e., > 100%) | | | | | |
| Sample Collection | | | | | | | | | Count Information | | | | | | | | Sample Results | | | | Initials | |
| Sample Number | Sample Type | Sample Location | Equip No | Ave Flow Rate (lpm) | Start Day Time | End Date Time | Elapsed Time (min) | Volume (ml) | Inst No | Count Date | Time (min) | Counting Units | Gross Activity | | Net dpm | | Activity (µCi/ml) | | Effluent Conc (%) | | Count Tech | Data Reviewer |
| | | | | | | | | | | | | | Alpha | Beta | Alpha | Beta | Alpha | Beta | Alpha | Beta | | |
| AS-0666 | Perimeter | MSE02 | PE14 | 50 | 8/25/22 3:17 | 8/25/22 15:37 | 740 | 3.7E+07 | E | 08/29/22 | 1 | cpm | 0.35 | 4.10 | 2.2 | 8.8 | 2.7E-14 | 1.1E-13 | 3.0% | 1.8% | DFB | BCS |
| AS-0667 | Perimeter | MSE01 | PE13 | 50 | 8/29/22 6:45 | 8/29/22 15:44 | 539 | 2.7E+07 | E | 09/06/22 | 1 | cpm | 0.10 | 4.00 | 0.6 | 8.5 | 1.1E-14 | 1.4E-13 | 1.2% | 2.4% | JV | BCS |
| AS-0668 | Perimeter | MSE02 | PE14 | 50 | 8/29/22 6:30 | 8/29/22 16:11 | 581 | 2.9E+07 | E | 09/06/22 | 1 | cpm | 0.30 | 5.10 | 1.9 | 11.8 | 2.9E-14 | 1.8E-13 | 3.3% | 3.1% | JV | BCS |
| AS-0669 | Perimeter | MSE01 | PE13 | 50 | 8/30/22 3:15 | 8/30/22 15:50 | 755 | 3.8E+07 | E | 09/06/22 | 1 | cpm | 0.25 | 4.35 | 1.6 | 9.5 | 1.9E-14 | 1.1E-13 | 2.1% | 1.9% | JV | BCS |
| AS-0670 | Perimeter | MSE02 | PE14 | 50 | 8/30/22 3:24 | 8/30/22 15:57 | 753 | 3.8E+07 | E | 09/06/22 | 1 | cpm | 0.00 | 5.25 | 0.0 | 12.3 | 0.0E+00 | 1.5E-13 | 0.0% | 2.4% | JV | BCS |
| AS-0671 | Perimeter | MSE01 | PE13 | 50 | 8/31/22 3:25 | 8/31/22 14:49 | 684 | 3.4E+07 | E | 09/06/22 | 1 | cpm | 0.20 | 4.30 | 1.3 | 9.4 | 1.7E-14 | 1.2E-13 | 1.8% | 2.1% | JV | BCS |
| AS-0672 | Perimeter | MSE02 | PE14 | 50 | 8/31/22 3:20 | 8/31/22 14:47 | 687 | 3.4E+07 | E | 09/06/22 | 1 | cpm | 0.15 | 4.75 | 0.9 | 10.8 | 1.2E-14 | 1.4E-13 | 1.4% | 2.4% | JV | BCS |

ATTACHMENT 7

LABORATORY REPORTS

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Laboratory Analysis Report

Job ID : 22080635



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/03/2022 16:19
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-072822 | 7/28/2022 14:35 | Cassette | 22080635.01 |
| MSE02-072822 | 7/28/2022 14:28 | Cassette | 22080635.02 |
| MSE01-080122 | 8/1/2022 15:58 | Cassette | 22080635.03 |
| MSE02-080122 | 8/1/2022 15:53 | Cassette | 22080635.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

8/10/2022



**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 # 30080**

Date 8/10/2022

Job ID : 22080635
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | Attn: [REDACTED] | | | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|------------------|----------|------------|---------------|-------------|
| 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 |
| 22080635.01 | MSE01-072822 | 07/28/2022 | Area | 2 | | | 475 | 950 | 100 | 1.5 | 1.911 | < 0.003 | | 08/10/22 | [REDACTED] |
| 22080635.02 | MSE02-072822 | 07/28/2022 | Area | 2 | | | 475 | 950 | 100 | 0 | 0.000 | < 0.003 | | 08/10/22 | [REDACTED] |
| 22080635.03 | MSE01-080122 | 08/01/2022 | Area | 2 | | | 520 | 1040 | 100 | 2.5 | 3.185 | < 0.003 | | 08/10/22 | [REDACTED] |
| 22080635.04 | MSE02-080122 | 08/01/2022 | Area | 2 | | | 544 | 1088 | 100 | 6 | 7.643 | 0.003 | | 08/10/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | | | |
|--|--|-------------------------------|-----------|------------|
| A&B JobID : 22080635 | Date Received : 08/03/2022 | Time Received : 4:19PM | | |
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 20.0°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:
 No cooler was received, however samples are received in a box with a custody seal. Black Cassettes. [REDACTED] 08/05/22

Received by : [REDACTED]

Check in by/date : [REDACTED] / 08/05/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II J310000400 Laboratory Name: A&B Labs 8/02/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) |
|------------------|-----------|------|--------------------|-----------------------|-------------------|---------------|-----------|-----------------------|---------------------|---|
| | | | | | | | Asbestos | Preservative: None | | |
| 01A MSE01-072822 | 7/28/2022 | 1435 | NA | NA | 1 | AA | X | | | 475 |
| 02A MSE02-072822 | 7/28/2022 | 1428 | NA | NA | 1 | AA | X | | | 475 |
| 03A MSE01-080122 | 8/01/2022 | 1558 | NA | NA | 1 | AA | X | | | 520 |
| 04A MSE02-080122 | 8/01/2022 | 1553 | NA | NA | 1 | AA | X | | | 544 |

Job ID: 22080635



08/03/2022 GES - ASRC Industrial ACH

A 8/2/22 14:58

N

| | | | | | |
|---|--|--|--------------------|---|---------------------------------------|
| Sampled By: <u>[Redacted]</u> | Sampler: <u>[Redacted]</u> | Courier/Airbill No: <u>FedEx/ 7775 5125 2979</u> | | | |
| Signature: <u>[Redacted]</u> | Relinquished By/Affiliation: <u>[Redacted]</u> | Date: <u>8/2/22</u> | Time: <u>16:00</u> | Received By/ Affiliation: <u>FED EX</u> | Date: <u>8/2/22</u> Time: <u>1600</u> |
| Special Instructions: <u>[Redacted]</u> | <u>FED EX</u> | | | <u>[Redacted]</u> | <u>8/3/22 1619</u> |
| Send Results to: <u>[Redacted]</u> | | | | | |
| Turnaround Time: <u>Standard</u> | | | | | |



August 05, 2022

Dear Customer,

The following is the proof-of-delivery for tracking number: 777551252979

Delivery Information:

| | | | |
|--------------------------|--------------------------|---------------------------|-------------------------|
| Status: | Delivered | Delivered To: | Receptionist/Front Desk |
| Signed for by: | [REDACTED] | Delivery Location: | |
| Service type: | FedEx Standard Overnight | | |
| Special Handling: | Deliver Weekday | | HOUSTON, TX. |
| | | Delivery date: | Aug 3, 2022 16:19 |

Shipping Information:

| | | | |
|-------------------------|--------------|------------------------|----------------|
| Tracking number: | 777551252979 | Ship Date: | Aug 2, 2022 |
| | | Weight: | 1.0 LB/0.45 KG |
| Recipient: | | Shipper: | |
| HOUSTON, TX, US. | | SAN FRANCISCO, CA, US. | |

Reference J31000.400 00.18.04

Signature image is available. In order to view image and detailed information, the shipper or payor account number of the shipment must be provided.

Thank you for choosing FedEx

Laboratory Analysis Report

Job ID : 22080724



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/05/2022 15:12
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-080222 | 8/2/2022 16:02 | Cassette | 22080724.01 |
| MSE02-080222 | 8/2/2022 15:54 | Cassette | 22080724.02 |
| MSE01-080322 | 8/3/2022 16:03 | Cassette | 22080724.03 |
| MSE02-080322 | 8/3/2022 15:58 | Cassette | 22080724.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

8/12/2022



**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 # 30080**

Date 8/12/2022

Job ID : 22080724
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | | | Attn: [REDACTED] | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|-------|----------|------------------|---------------|-------------|
| 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 |
| 22080724.01 | MSE01-080222 | 08/02/2022 | Area | 2 | | | 559 | 1118 | 100 | 6.0 | 7.643 | 0.003 | | 08/12/22 | [REDACTED] |
| 22080724.02 | MSE02-080222 | 08/02/2022 | Area | 2 | | | 558 | 1116 | 100 | 3.5 | 4.459 | < 0.002 | | 08/12/22 | [REDACTED] |
| 22080724.03 | MSE01-080322 | 08/03/2022 | Area | 2 | | | 555 | 1110 | 100 | 3 | 3.822 | < 0.002 | | 08/12/22 | [REDACTED] |
| 22080724.04 | MSE02-080322 | 08/03/2022 | Area | 2 | | | 562 | 1124 | 100 | 3.5 | 4.459 | < 0.002 | | 08/12/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | | | |
|--|---|-------------------------------|-----------|------------|
| A&B JobID : 22080724 | Date Received : 08/05/2022 | Time Received : 3:12PM | | |
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 23.0°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:
 No cooler was received, however samples are received in a box with a custody seal. Black Cassettes. [REDACTED] 08/05/22

Received by : [REDACTED]

Check in by/date : [REDACTED] / 08/05/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II J310000400 Laboratory Name: A&B Labs 8/04/2022
 Project Manager: [REDACTED] Address: 10100 East Fwy Ste. 100 Contact Name: [REDACTED] Page 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) |
|--------------|-----------|------|--------------------|-----------------------|-------------------|---------------|-----------|---------------|---------------------|---|
| | | | | | | | Asbestos | Preservative: | | |
| MSE01-080222 | 8/02/2022 | 1602 | NA | NA | 1 | AA | X | None | | 559 |
| MSE02-080222 | 8/02/2022 | 1554 | NA | NA | 1 | AA | X | None | | 558 |
| MSE01-080322 | 8/03/2022 | 1603 | NA | NA | 1 | AA | X | None | | 555 |
| MSE02-080322 | 8/03/2022 | 1558 | NA | NA | 1 | AA | X | None | | 562 |

01A
02A
03A
04A

Job ID: 22080724



08/05/2022 GES - ASRC Industrial ACH

N A [Signature] 8/4/22

| | | | | | |
|------------------------------------|--|--|-------------|---------------------------|----------------------|
| Sampled By: <u>[REDACTED]</u> | Sampler: <u>[REDACTED]</u> | Courier/Airbill No.: FedEx/ 7775 6437 2815 | | | |
| Signature: <u>[REDACTED]</u> | Relinquished By/Affiliation: <u>[REDACTED]</u> | Date: | Time: | Received By/ Affiliation: | Date: Time: |
| Special Instructions: _____ | <u>[REDACTED]</u> Gilbane | <u>8/4/22</u> | <u>1600</u> | <u>Fed Ex</u> | <u>8/4/22 1600</u> |
| Send Results to: <u>[REDACTED]</u> | <u>FED EX</u> | | | <u>[REDACTED]</u> | <u>08/05/22 1512</u> |
| Turnaround Time: <u>Standard</u> | | | | | |

23.0°C
124

ORIGIN ID: ICCA [REDACTED]

200 FISHER STREET
SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 04AUG22
ACTWGT: 1.00 LB
CAD: 254128867/NET4490

BILL SENDER

TO [REDACTED]
A & B LABS
10100 EAST FREEWAY, SUITE 100

56124F3D0FE4A

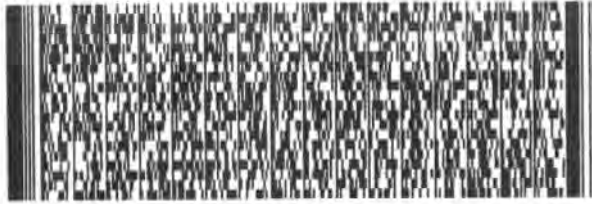
HOUSTON TX 77029

(713) 453-8060

REF JB1000400001804

INV

DEPT



FRI - 05 AUG 4:30P
STANDARD OVERNIGHT

TRK# 7775 6437 2815
0201

UL HBYA

TX-US 77029
IAH



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SECURITY SEAL

Sample No. _____

Time Collected _____

8/4/22

Laboratory Analysis Report

Job ID : 22081012



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/10/2022 08:35
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-080422 | 8/4/2022 14:48 | Cassette | 22081012.01 |
| MSE02-080422 | 8/4/2022 14:35 | Cassette | 22081012.02 |
| MSE01-080822 | 8/8/2022 16:01 | Cassette | 22081012.03 |
| MSE02-080822 | 8/8/2022 15:54 | Cassette | 22081012.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

8/17/2022



**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 8/17/2022

Job ID : 22081012
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | Attn: [REDACTED] | | | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|------------------|----------|------------|---------------|-------------|
| 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 |
| 22081012.01 | MSE01-080422 | 08/04/2022 | Area | 2 | | | 488 | 976 | 100 | 0 | 0.000 | < 0.003 | | 08/17/22 | [REDACTED] |
| 22081012.02 | MSE02-080422 | 08/04/2022 | Area | 2 | | | 482 | 964 | 100 | 5.0 | 6.369 | < 0.003 | | 08/17/22 | [REDACTED] |
| 22081012.03 | MSE01-080822 | 08/08/2022 | Area | 2 | | | 554 | 1108 | 100 | 5.5 | 7.006 | 0.002 | | 08/17/22 | [REDACTED] |
| 22081012.04 | MSE02-080822 | 08/08/2022 | Area | 2 | | | 563 | 1126 | 100 | 8.5 | 10.828 | 0.004 | | 08/17/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | | | |
|--|--|-------------------------------|-----------|------------|
| A&B JobID : 22081012 | Date Received : 08/10/2022 | Time Received : 8:35AM | | |
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 22.0°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:
 No cooler was received, however samples are received in a box with a custody seal. Received black cassettes. [REDACTED] 8/10/2022

Received by : [REDACTED]

Check in by/date : [REDACTED]/10/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II J310000400 Laboratory Name: A&B Labs 8/09/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

Job ID:22081012



08/10/2022 GES - ASRC Industrial ACH

Analysis:

01A
02A
03A
04A

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Asbestos | Preservative: | Container Type: | Filter | Flow Rate = 2 L/min | Special Instructions/Comments |
|--------------|-----------|------|--------------------|-----------------------|-------------------|---------------|----------|---------------|-----------------|--------|---------------------|-------------------------------|
| MSE01-080422 | 8/04/2022 | 1448 | NA | NA | 1 | AA | X | None | | | | 488 |
| MSE02-080422 | 8/04/2022 | 1435 | NA | NA | 1 | AA | X | | | | | 482 |
| MSE01-080822 | 8/08/2022 | 1601 | NA | NA | 1 | AA | X | | | | | 554 |
| MSE02-080822 | 8/08/2022 | 1554 | NA | NA | 1 | AA | X | | | | | 563 |

N/A [Redacted] 8-9-22

| | | | | | | |
|------------------------------------|--|--|-------------------|--|---------------------|-------------------|
| Sampled By: <u>[Redacted]</u> | Sampler: <u>[Redacted]</u> | Courier/Airbill No.: FedEx/ 7776 0153 6730 | | | | |
| Signature: <u>[Redacted]</u> | Relinquished By/Affiliation: <u>[Redacted]</u> | Date: <u>8-7-22</u> | Time: <u>1600</u> | Received By/ Affiliation: <u>FEDEX</u> | Date: <u>8-9-22</u> | Time: <u>1600</u> |
| Special Instructions: _____ | <u>FEDEX</u> | <u>8/10/22</u> | <u>8:35</u> | <u>[Redacted]</u> | <u>8/10/22</u> | <u>8:35</u> |
| Send Results to: <u>[Redacted]</u> | | | | | | |
| Turnaround Time: <u>Standard</u> | | | | | | |

ORIGIN: JCCA
[REDACTED]
200 FISHER STREET
SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 09AUG22
ACTWGT: 1.00 LB
CAD: 254128867/NET4490

BILL SENDER

TO [REDACTED]
A & B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

REF: J31000.400.00.18.04

INV
PO

DEPT



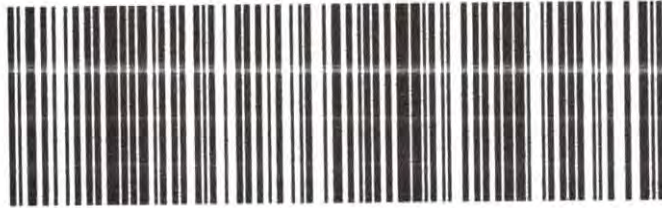
691JZJF39D/FE4A

WED - 10 AUG 4:30P
STANDARD OVERNIGHT

TRK# 7776 0153 6730
0201

UL HBYA

77029
TX-US IAH



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Laboratory Analysis Report

Job ID : 22081373



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/12/2022 16:03
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-080922 | 8/9/2022 15:59 | Cassette | 22081373.01 |
| MSE02-080922 | 8/9/2022 15:50 | Cassette | 22081373.02 |
| MSE01-081022 | 8/10/2022 15:51 | Cassette | 22081373.03 |
| MSE02-081022 | 8/10/2022 15:57 | Cassette | 22081373.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

8/17/2022



**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 # 30080**

Date 8/17/2022

Job ID : 22081373
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | Attn: [REDACTED] | | | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|------------------|----------|------------|---------------|-------------|
| 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 |
| 22081373.01 | MSE01-080922 | 08/09/2022 | Area | 2 | | | 550 | 1100 | 100 | 5.0 | 6.369 | < 0.002 | | 08/17/22 | [REDACTED] |
| 22081373.02 | MSE02-080922 | 08/09/2022 | Area | 2 | | | 551 | 1102 | 100 | 6 | 7.643 | 0.003 | | 08/17/22 | [REDACTED] |
| 22081373.03 | MSE01-081022 | 08/10/2022 | Area | 2 | | | 551 | 1102 | 100 | 3.5 | 4.459 | < 0.002 | | 08/17/22 | [REDACTED] |
| 22081373.04 | MSE02-081022 | 08/10/2022 | Area | 2 | | | 564 | 1128 | 100 | 2.5 | 3.185 | < 0.002 | | 08/17/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | |
|--|---|-------------------------------|
| A&B JobID : 22081373 | Date Received : 08/12/2022 | Time Received : 4:03PM |
| Client Name : GES - ASRC Industrial | | |
| Temperature : 22.8°C | Sample pH : NA | |
| Thermometer ID : IR4 | pH Paper ID : NA | |
| Perservative : | | |
| | Check Points | Yes No N/A |
| 1. | Cooler Seal present and signed. | X |
| 2. | Sample(s) in a cooler. | X |
| 3. | If yes, ice in cooler. | X |
| 4. | Sample(s) received with chain-of-custody. | X |
| 5. | C-O-C signed and dated. | X |
| 6. | Sample(s) received with signed sample custody seal. | X |
| 7. | Sample containers arrived intact. (If No comment) | X |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | |
| 9. | Samples were received in appropriate container(s) | X |
| 10. | Sample(s) were received with Proper preservative | X |
| 11. | All samples were tagged or labeled. | X |
| 12. | Sample ID labels match C-O-C ID's. | X |
| 13. | Bottle count on C-O-C matches bottles found. | X |
| 14. | Sample volume is sufficient for analyses requested. | X |
| 15. | Samples were received with in the hold time. | X |
| 16. | VOA vials completely filled. | X |
| 17. | Sample accepted. | X |
| 18. | Has client been contacted about sub-out | X |

Comments : Include actions taken to resolve discrepancies/problem:
 Black Cassettes. No cooler was received; however, samples are received in a box with custody seal. 08/15/22

Received by : ██████████

Check in by/date : ██████████ / 08/15/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II 1310000400 Laboratory Name: A&B Labs 8/11/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) |
|--------------|-----------|------|--------------------|-----------------------|-------------------|---------------|----------|-----------------------|---------------------|---|
| | | | | | | | Asbestos | Preservative: None | | |
| MSE01-080922 | 8/09/2022 | 1559 | NA | NA | 1 | AA | X | | 550 | |
| MSE02-080922 | 8/09/2022 | 1550 | NA | NA | 1 | AA | X | | 551 | |
| MSE01-081022 | 8/10/2022 | 1551 | NA | NA | 1 | AA | X | | 551 | |
| MSE02-081022 | 8/10/2022 | 1557 | NA | NA | 1 | AA | X | | 564 | |

01A
02A
03A
04A

Job ID: 22081373



08/12/2022 GES - ASRC Industrial ACH

PK
8/11/22

| | | | | | | |
|---|--|---|-------|---------------------------|----------|-------|
| Sampled By: <u>[Redacted]</u> | Sampler: <u>[Redacted]</u> | Courier/Airbill No: FedEx: 7776 2527 9190 | | | | |
| Signature: <u>[Redacted]</u> | Relinquished By/Affiliation: <u>[Redacted]</u> | Date: | Time: | Received By/ Affiliation: | Date: | Time: |
| Special Instructions: <u>[Redacted]</u> | <u>Fedex</u> | 8/11/22 | 1600 | <u>FEDEX</u> | 8/11/22 | 1602 |
| | | | | <u>[Redacted]</u> | 08/12/22 | 1603 |
| Send Results to: <u>[Redacted]</u> | | | | | | |
| Turnaround Time: <u>Standard</u> | | | | | | |

22.8°C IRM
am

ORIGIN ID: CCA [REDACTED]
 200 FISHER STREET
 SAN FRANCISCO, CA 94124
 UNITED STATES US

SHIP DATE: 11AUG22
 ACTWGT: 1.00 LB
 CAD: 254128867/INET4490

BILL SENDER

TO [REDACTED]
A & B LABS
 10100 EAST FREEWAY, SUITE 100

59112F35DIFE4A

HOUSTON TX 77029
 (713) 453-6760 REF: J31000 400 (X) 1874
 INV PO DEPT



TRK# 7776 2527 9190
 0201

FRI - 12 AUG 4:30P
 STANDARD OVERNIGHT

UL HBYA

77029
 TX-US IAH

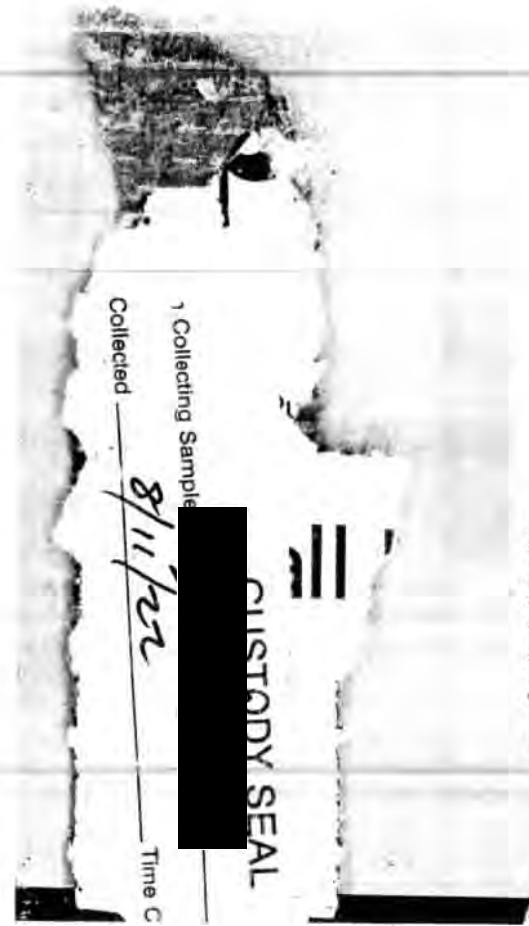


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Laboratory Analysis Report

Job ID : 22081783



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/17/2022 14:46
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-081122 | 8/11/2022 15:26 | Cassette | 22081783.01 |
| MSE02-081122 | 8/11/2022 15:22 | Cassette | 22081783.02 |
| MSE01-081522 | 8/15/2022 16:01 | Cassette | 22081783.03 |
| MSE02-081522 | 8/15/2022 15:47 | Cassette | 22081783.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

8/18/2022



**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 # 30080**

Date 8/18/2022

Job ID : 22081783
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | Attn: [REDACTED] | | | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|------------------|----------|------------|---------------|-------------|
| 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 |
| 22081783.01 | MSE01-081122 | 08/11/2022 | Area | 2 | | | 529 | 1058 | 100 | 5 | 6.369 | < 0.003 | | 08/18/22 | [REDACTED] |
| 22081783.02 | MSE02-081122 | 08/11/2022 | Area | 2 | | | 536 | 1072 | 100 | 5.5 | 7.006 | 0.003 | | 08/18/22 | [REDACTED] |
| 22081783.03 | MSE01-081522 | 08/15/2022 | Area | 2 | | | 557 | 1114 | 100 | 5.5 | 7.006 | 0.002 | | 08/18/22 | [REDACTED] |
| 22081783.04 | MSE02-081522 | 08/15/2022 | Area | 2 | | | 558 | 1116 | 100 | 1.5 | 1.911 | < 0.002 | | 08/18/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | | | |
|--|---|-------------------------------|-----------|------------|
| A&B JobID : 22081783 | Date Received : 08/17/2022 | Time Received : 2:46PM | | |
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 24.4°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:
 Black Cassettes. No cooler was received, however samples are received in a box with a custody seal. ~ 08/17/22

Received by : ██████████

Check in by/date : ██████████ / 08/17/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II J310000400 Laboratory Name: A&B Labs 8/16/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

Job ID: 22081783



08/17/2022 GES - ASRC Industrial ACH

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) | |
|--------------|-----------|------|--------------------|-----------------------|-------------------|---------------|-----------|---------------|---------------------|---|-----|
| | | | | | | | Asbestos | Preservative: | | | |
| MSE01-081122 | 8/11/2022 | 1526 | NA | NA | 1 | AA | X | None | | 529 | 01A |
| MSE02-081122 | 8/11/2022 | 1522 | NA | NA | 1 | AA | X | None | | 536 | 02A |
| MSE01-081522 | 8/15/2022 | 1601 | NA | NA | 1 | AA | X | Filter | | 557 | 03A |
| MSE02-081522 | 8/15/2022 | 1547 | NA | NA | 1 | AA | X | Filter | | 558 | 04A |

cf 8/16/22

| | | | | | | |
|------------------------------------|--|--|--------------|---------------------------|-----------------|--------------|
| Sampled By: <u>[Redacted]</u> | Sampler: <u>[Redacted]</u> | Courier/Airbill No.: FedEx: 7776 6585 2492 | | | | |
| Signature: <u>[Redacted]</u> | Relinquished By/Affiliation: <u>[Redacted]</u> | Date: | Time: | Received By/ Affiliation: | Date: | Time: |
| Special Instructions: _____ | <u>Fedex</u> | <u>8/16/22</u> | <u>16:00</u> | <u>FEDEX</u> | <u>8/16/22</u> | <u>16:00</u> |
| Send Results to: <u>[Redacted]</u> | | | | <u>[Redacted]</u> | <u>08/17/22</u> | <u>1426</u> |
| Turnaround Time: <u>Standard</u> | | | | | | |

*24.49c IR24
DM*

ORIGIN ID: ICCA
200 FISHER STREET
SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 16AUG22
ACTWGT: 1.00 LB
CAD: 254128867/NET4490

BILL SENDER

TO

A & B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6080

REF J31000.400 00 18 04

INV
PO

DEPT



WED - 17 AUG 4:30P

STANDARD OVERNIGHT

TRK#
0201

7776 6585 2492

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TX-US **IAH**



981.D\F39D\FE2D

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Laboratory Analysis Report

Job ID : 22082103



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/19/2022 14:39
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-081622 | 8/16/2022 16:06 | Cassette | 22082103.01 |
| MSE02-081622 | 8/16/2022 16:04 | Cassette | 22082103.02 |
| MSE01-081722 | 8/17/2022 15:55 | Cassette | 22082103.03 |
| MSE02-081722 | 8/17/2022 15:49 | Cassette | 22082103.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

8/25/2022



**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 # 30080**

Date 8/25/2022

Job ID : 22082103
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | Attn: [REDACTED] | | | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|------------------|----------|------------|---------------|-------------|
| 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 |
| 22082103.01 | MSE01-081622 | 08/16/2022 | Area | 2 | | | 572 | 1144 | 100 | 5.0 | 6.369 | < 0.002 | | 08/25/22 | █ |
| 22082103.02 | MSE02-081622 | 08/16/2022 | Area | 2 | | | 561 | 1122 | 100 | 2.5 | 3.185 | < 0.002 | | 08/25/22 | █ |
| 22082103.03 | MSE01-081722 | 08/17/2022 | Area | 2 | | | 557 | 1114 | 100 | 5.5 | 7.006 | 0.002 | | 08/25/22 | █ |
| 22082103.04 | MSE02-081722 | 08/17/2022 | Area | 2 | | | 556 | 1112 | 100 | 2 | 2.548 | < 0.002 | | 08/25/22 | █ |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | | | |
|--|--|-------------------------------|-----------|------------|
| A&B JobID : 22082103 | Date Received : 08/19/2022 | Time Received : 2:39PM | | |
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 20.9°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:
 Black Cassettes. No cooler was received, however samples are received in a box with a custody seal.. 08/19/22

Received by : ██████████

Check in by/date : ██████████ / 08/19/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II I310000400 Laboratory Name: A&B Labs 8/18/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) |
|-------------------------|-----------|------|--------------------|-----------------------|-------------------|---------------|-----------|---------------|-----------------|---------------------|---|
| | | | | | | | Asbestos | Preservative: | Container Type: | | |
| | | | | | | | | None | Filter | | |
| <i>01A</i> MSE01-081622 | 8/16/2022 | 1606 | NA | NA | 1 | AA | X | | | | 572 <i>01A</i> |
| <i>02A</i> MSE02-081622 | 8/16/2022 | 1604 | NA | NA | 1 | AA | X | | | | 561 <i>02A</i> |
| <i>03A</i> MSE01-081722 | 8/17/2022 | 1555 | NA | NA | 1 | AA | X | | | | 557 <i>03A</i> |
| <i>04A</i> MSE02-081722 | 8/17/2022 | 1549 | NA | NA | 1 | AA | X | | | | 556 <i>04A</i> |

Job ID: 22082103



08/18/2022 GES - ASRC Industrial ACH

| | | | | | | |
|------------------------------------|--|---|-------------|-----------------------------------|-----------------|-------------|
| Sampled By: <u>[Redacted]</u> | Sampler: <u>[Redacted]</u> | Courier/Airbill No.: FedEx 7776 8674 7801 | | | | |
| Signature: <u>[Redacted]</u> | Relinquished By/Affiliation: <u>[Redacted]</u> | Date: | Time: | Received By/ Affiliation: | Date: | Time: |
| Special Instructions: _____ | <u>[Redacted]</u> <i>FEDEX</i> | <u>8/18/22</u> | <u>1600</u> | <u>FEDEX</u> <u>[Redacted]</u> | <u>8/18/22</u> | <u>1600</u> |
| Send Results to: <u>[Redacted]</u> | | | | | <u>08/19/22</u> | <u>1439</u> |
| Turnaround Time: <u>Standard</u> | | | | | | |

*20.9°C JCM
AM*

ORIGIN ID: JCCA

200 FISHER STREET

SAN FRANCISCO, CA 94124
UNITED STATES US

TO

A & B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060

REF. J31000.400.00.18.04

INV

DEPT



581-02F39D/FEZD

FRI - 19 AUG 4:30P

STANDARD OVERNIGHT

TRK#
0201

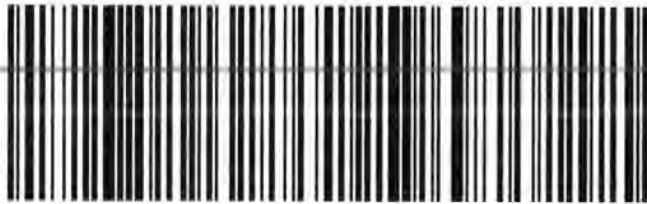
7776 8674 7801

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TX-US

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IAH



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Laboratory Analysis Report

Job ID : 22082489



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/24/2022 14:00
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-081822 | 8/18/2022 14:59 | Cassette | 22082489.01 |
| MSE02-081822 | 8/18/2022 14:49 | Cassette | 22082489.02 |
| MSE01-082222 | 8/22/2022 15:44 | Cassette | 22082489.03 |
| MSE02-082222 | 8/22/2022 15:50 | Cassette | 22082489.04 |

[REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

8/31/2022



**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 8/31/2022

Job ID : 22082489
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | Attn: [REDACTED] | | | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|------------------|----------|------------|---------------|-------------|
| 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 |
| 22082489.01 | MSE01-081822 | 08/18/2022 | Area | 2 | | | 499 | 998 | 100 | 4.5 | 5.732 | < 0.003 | | 08/31/22 | [REDACTED] |
| 22082489.02 | MSE02-081822 | 08/18/2022 | Area | 2 | | | 498 | 996 | 100 | 2 | 2.548 | < 0.003 | | 08/31/22 | [REDACTED] |
| 22082489.03 | MSE01-082222 | 08/22/2022 | Area | 2 | | | 531 | 1062 | 100 | 6 | 7.643 | 0.003 | | 08/31/22 | [REDACTED] |
| 22082489.04 | MSE02-082222 | 08/22/2022 | Area | 2 | | | 557 | 1114 | 100 | 5.5 | 7.006 | 0.002 | | 08/31/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| A&B JobID : 22082489 | Date Received : 08/24/2022 | Time Received : 2:25PM | |
|---|--|-------------------------------|-----|
| Client Name : GES - ASRC Industrial | | | |
| Temperature : 21.9°C | Sample pH : NA | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | |
| Perservative : | | | |
| Check Points | Yes | No | N/A |
| 1. Cooler Seal present and signed. | X | | |
| 2. Sample(s) in a cooler. | | X | |
| 3. If yes, ice in cooler. | | | X |
| 4. Sample(s) received with chain-of-custody. | X | | |
| 5. C-O-C signed and dated. | X | | |
| 6. Sample(s) received with signed sample custody seal. | | X | |
| 7. Sample containers arrived intact. (If No comment) | X | | |
| 8. Matrix: | <input type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Liquid <input type="checkbox"/> Sludge <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Cassette <input type="checkbox"/> Tube <input type="checkbox"/> Bulk <input type="checkbox"/> Badge <input type="checkbox"/> Food <input type="checkbox"/> Other | | |
| 9. Samples were received in appropriate container(s) | X | | |
| 10. Sample(s) were received with Proper preservative | | | X |
| 11. All samples were tagged or labeled. | X | | |
| 12. Sample ID labels match C-O-C ID's. | X | | |
| 13. Bottle count on C-O-C matches bottles found. | X | | |
| 14. Sample volume is sufficient for analyses requested. | X | | |
| 15. Samples were received with in the hold time. | X | | |
| 16. VOA vials completely filled. | | | X |
| 17. Sample accepted. | X | | |
| 18. Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:

Black Cassettes. No cooler was received, however samples are received in a box with a custody seal. ~ [redacted] 08/24/22

Received by : [redacted]

Check in by/date : [redacted] / 08/24/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II I310000400 Laboratory Name: A&B Labs 8/23/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

Job ID: 22082489



08/24/2022 GES - ASRC Industrial ACH

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | Special Instructions/Comments Total Time (min) |
|--------------|-----------|------|--------------------|-----------------------|-------------------|---------------|-----------|---------------|---|
| | | | | | | | Asbestos | Preservative: | |
| MSE01-081822 | 8/18/2022 | 1459 | NA | NA | 1 | AA | X | None | 499 |
| MSE02-081822 | 8/18/2022 | 1449 | NA | NA | 1 | AA | X | None | 498 |
| MSE01-082222 | 8/22/2022 | 1544 | NA | NA | 1 | AA | X | Filter | 531 |
| MSE02-082222 | 8/22/2022 | 1550 | NA | NA | 1 | AA | X | Filter | 557 |

Flow Rate = 2 L/min

01A
02A
03A
04A

01A
02A
03A
04A

Sampled By: [Redacted]
 Signature: [Redacted]
 Special Instructions: None
 Send Results to: edawson@ges-ais.com
ktomgee@ges-ais.com
 Turnaround Time: Standard

Sampler: [Redacted] Courier/Airbill No.: FedEx: 7777 2743 6269
 Relinquished By/Affiliation: [Redacted] Time: 8/23/22 1500 Received By/ Affiliation: FedEx Date: 8/23/22 1500
FedEx [Redacted] 8/24/22 1525
[Redacted]

2190 July 2022

ORIGIN ID: JCCA (925) 250-8097
200 FISHER STREET
SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 23AUG22
ACTWGT: 1.00 LB
CAD: 254128867/INET4530
BILL SENDER

TO
A & B LABS
10100 EAST FREEWAY, SUITE 100
HOUSTON TX 77029

(713) 453-6060 REF J31000 400 00 18 04
INV PO DEPT



58712ZF39D/FE2D

WED - 24 AUG 4:30P
STANDARD OVERNIGHT

TRK# 7777 2743 6269
0201

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Laboratory Analysis Report

Job ID : 22082838



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. :
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 08/26/2022 15:47
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-082322 | 8/23/2022 15:57 | Cassette | 22082838.01 |
| MSE02-082322 | 8/23/2022 15:47 | Cassette | 22082838.02 |
| MSE01-082422 | 8/24/2022 15:55 | Cassette | 22082838.03 |
| MSE02-082422 | 8/24/2022 15:59 | Cassette | 22082838.04 |



Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

9/2/2022



**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 9/2/2022

Job ID : 22082838
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | Attn: [REDACTED] | | | | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|------------------|--------|----------|------------|---------------|-------------|
| 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 |
| 22082838.01 | MSE01-082322 | 08/23/2022 | Area | 2 | | | 549 | 1098 | 100 | 8.5 | 10.828 | 0.008 | | 08/30/22 | [REDACTED] |
| 22082838.02 | MSE02-082322 | 08/23/2022 | Area | 2 | | | 551 | 1102 | 100 | 9 | 11.465 | 0.008 | | 08/30/22 | [REDACTED] |
| 22082838.03 | MSE01-082422 | 08/24/2022 | Area | 2 | | | 558 | 1116 | 100 | 2 | 2.548 | < 0.002 | | 08/31/22 | [REDACTED] |
| 22082838.04 | MSE02-082422 | 08/24/2022 | Area | 2 | | | 573 | 1146 | 100 | 1.5 | 1.911 | < 0.002 | | 08/31/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | |
|--|---|-------------------------------|
| A&B JobID : 22082838 | Date Received : 08/26/2022 | Time Received : 3:47PM |
| Client Name : GES - ASRC Industrial | | |
| Temperature : 21.2°C | Sample pH : N/A | |
| Thermometer ID : IR4 | pH Paper ID : N/A | |
| Perservative : | | |
| | Check Points | Yes No N/A |
| 1. | Cooler Seal present and signed. | X |
| 2. | Sample(s) in a cooler. | X |
| 3. | If yes, ice in cooler. | X |
| 4. | Sample(s) received with chain-of-custody. | X |
| 5. | C-O-C signed and dated. | X |
| 6. | Sample(s) received with signed sample custody seal. | X |
| 7. | Sample containers arrived intact. (If No comment) | X |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | |
| 9. | Samples were received in appropriate container(s) | X |
| 10. | Sample(s) were received with Proper preservative | X |
| 11. | All samples were tagged or labeled. | X |
| 12. | Sample ID labels match C-O-C ID's. | X |
| 13. | Bottle count on C-O-C matches bottles found. | X |
| 14. | Sample volume is sufficient for analyses requested. | X |
| 15. | Samples were received with in the hold time. | X |
| 16. | VOA vials completely filled. | X |
| 17. | Sample accepted. | X |
| 18. | Has client been contacted about sub-out | X |

Comments : Include actions taken to resolve discrepancies/problem:
 No cooler was received however, samples received in box with seal. [redacted] 08/26/22

Received by : [redacted]

Check in by/date : [redacted] / 08/26/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II J310000400 Laboratory Name: A&B Labs 8/25/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

Analysis:

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) |
|--------------|-----------|------|--------------------|-----------------------|-------------------|---------------|-----------|---------------|---------------------|---|
| | | | | | | | Asbestos | Preservative: | | |
| MSE01-082322 | 8/23/2022 | 1557 | NA | NA | 1 | AA | X | None | | 549 |
| MSE02-082322 | 8/23/2022 | 1547 | NA | NA | 1 | AA | X | None | | 551 |
| MSE01-082422 | 8/24/2022 | 1555 | NA | NA | 1 | AA | X | None | | 558 |
| MSE02-082422 | 8/24/2022 | 1559 | NA | NA | 1 | AA | X | None | | 573 |

01A
02A
03A
04A

Job ID:22082838



08/26/2022

Gilbane

ACH

Sampled By: [Redacted]
 Signature: [Redacted]
 Special Instructions: _____
 Send Results to: [Redacted]
 Turnaround Time: Standard

Sampler: [Redacted] Courier/Airbill No.: FedEx: 7777 5166 9076

| Relinquished By/Affiliation: | Date: | Time: | Received By/ Affiliation: | Date: | Time: |
|------------------------------|---------|-------|---------------------------|---------|-------|
| <u>[Redacted]</u> | 8/25/22 | 1600 | FEDEX | 8/25/22 | 1600 |
| FEDEX | 8/26/22 | 1547 | [Redacted] | 8/26/22 | 1547 |

21.2°C
T=21

ORIGIN ID: ICCA [REDACTED]

200 FISHER STREET
SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 25AUG22
ACTWGT: 1.00 LB
CAD: 254128867/NET4530

BILL SENDER

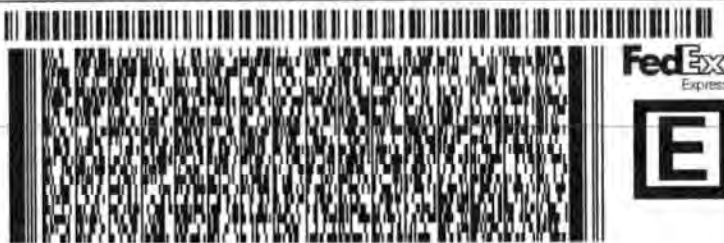
TO [REDACTED]

A & B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

581 2F58DUFEZD

(713) 453-6060 REF 331000 400 00 18 04
INV PO DEPT

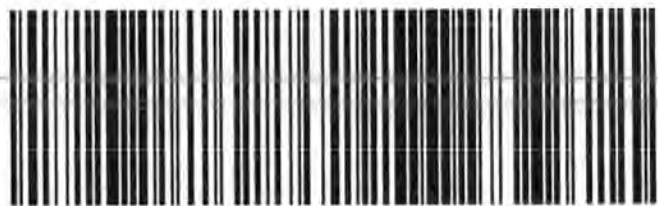


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Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay,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

Laboratory Analysis Report

Job ID : 22090040



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

Client Project Name :
HPNS Parcel E Phase II J310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 09/01/2022 09:13
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-082522 | 8/25/2022 15:50 | Cassette | 22090040.01 |
| MSE02-082522 | 8/25/2022 15:48 | Cassette | 22090040.02 |
| MSE01-082922 | 8/29/2022 16:02 | Cassette | 22090040.03 |
| MSE02-082922 | 8/29/2022 16:07 | Cassette | 22090040.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

9/9/2022



**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 9/9/2022

Job ID : 22090040
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II J310000400 | | | | | | | | | | Attn: [REDACTED] | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|-------|----------|------------------|---------------|-------------|
| 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 |
| 22090040.01 | MSE01-082522 | 08/25/2022 | Area | 2 | | | 548 | 1096 | 100 | 6.5 | 8.280 | 0.003 | | 09/09/22 | [REDACTED] |
| 22090040.02 | MSE02-082522 | 08/25/2022 | Area | 2 | | | 556 | 1112 | 100 | 1 | 1.274 | < 0.002 | | 09/09/22 | [REDACTED] |
| 22090040.03 | MSE01-082922 | 08/29/2022 | Area | 2 | | | 502 | 1004 | 100 | 4.5 | 5.732 | < 0.003 | | 09/09/22 | [REDACTED] |
| 22090040.04 | MSE02-082922 | 08/29/2022 | Area | 2 | | | 499 | 998 | 100 | 2.5 | 3.185 | < 0.003 | | 09/09/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | | | |
|--|--|-------------------------------|-----------|------------|
| A&B JobID : 22090040 | Date Received : 09/01/2022 | Time Received : 9:13AM | | |
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 24.1°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:
 No cooler was received, however samples are received in a box with a custody seal. Samples received in black cassettes. [REDACTED] 9/1/2022

Received by : [REDACTED]

Check in by/date : [REDACTED] / 09/01/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II J310000400 Laboratory Name: A&B Labs 8/30/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) |
|------------------|-----------|------|--------------------|-----------------------|-------------------|---------------|-----------|---------------|---------------------|---|
| | | | | | | | Asbestos | Preservative: | | |
| | | | | | | | None | Filter | | |
| 01A MSE01-082522 | 8/25/2022 | 1550 | NA | NA | 1 | AA | X | | | 548 |
| 02A MSE02-082522 | 8/25/2022 | 1548 | NA | NA | 1 | AA | X | | | 556 |
| 03A MSE01-082922 | 8/29/2022 | 1602 | NA | NA | 1 | AA | X | | | 502 |
| 04A MSE02-082922 | 8/29/2022 | 1607 | NA | NA | 1 | AA | X | | | 499 |

Job ID: 22090040



09/01/2022 GES - ASRC Industrial ACH

[Redacted] 8/30/22

Sampled By: [Redacted]
 Signature: [Redacted]
 Special Instructions: NA
 Send Results to: [Redacted]
 Turnaround Time: Standard

| | | | | | |
|------------------------------|----------------|--|---------------------------|----------------|-------------|
| Sampler: <u>[Redacted]</u> | | Courier/Airbill No.: FedEx: 7778 0017 3386 | | | |
| Relinquished By/Affiliation: | Date: | Time: | Received By/ Affiliation: | Date: | Time: |
| <u>[Redacted] / GES</u> | <u>8/30/22</u> | <u>1430</u> | <u>[Redacted] FedEx</u> | <u>8/30/22</u> | <u>1430</u> |
| <u>Fedex</u> | <u>9/1/22</u> | <u>9:13</u> | <u>[Redacted]</u> | <u>9/1/22</u> | <u>9:13</u> |

24.1°C
IRY
W

ORIGIN ID: JGCA
200 FISHER STREET
SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 30AUG22
ACTWGT: 1.00 LB
CAD: 254128867/INET4530
BILL SENDER

TO
A & B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060 REF J31000400001804
INV DEPT
PO

581J1E08JFE2D

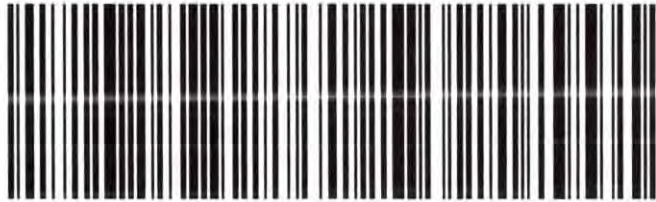


WED - 31 AUG 4:30P
STANDARD OVERNIGHT

TRK# 7778 0017 3386
0201

UL HBYA

77029
TX-US IAH



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

Laboratory Analysis Report

Job ID : 22090315



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

Client Project Name :
HPNS Parcel E Phase II 1310000400

Report To : Client Name: GES - ASRC Industrial Total Number of Pages: 5
Attn: [REDACTED] P.O.#. : J310000400-0015
Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received : 09/02/2022 15:02
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By : [REDACTED]

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

| Client Sample ID | Sample Collection Date & Time | Matrix | A&B Job Sample ID |
|------------------|-------------------------------|----------|-------------------|
| MSE01-083022 | 8/30/2022 15:57 | Cassette | 22090315.01 |
| MSE02-083022 | 8/30/2022 15:52 | Cassette | 22090315.02 |
| MSE01-083122 | 8/31/2022 14:59 | Cassette | 22090315.03 |
| MSE02-083122 | 8/31/2022 14:51 | Cassette | 22090315.04 |

[REDACTED]
Released By: [REDACTED]
Title: Vice President Operations

Analyst: [REDACTED]

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ab-q210-0321

9/12/2022



**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 9/12/2022

Job ID : 22090315
Analytical Method: NIOSH 7400-I2-Aug1994

| Client: GES - ASRC Industrial | | | Project: HPNS Parcel E Phase II 1310000400 | | | | | | | | | | Attn: [REDACTED] | | |
|-------------------------------|------------------|----------------|--|---------------|---------|----------|------------------|-----------------|--------------|--------------|--------|----------|------------------|---------------|-------------|
| 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 |
| 22090315.01 | MSE01-083022 | 08/30/2022 | Area | 2 | | | 556 | 1112 | 100 | 12.5 | 15.924 | 0.006 | | 09/12/22 | [REDACTED] |
| 22090315.02 | MSE02-083022 | 08/30/2022 | Area | 2 | | | 548 | 1096 | 100 | 5.5 | 7.006 | 0.002 | | 09/12/22 | [REDACTED] |
| 22090315.03 | MSE01-083122 | 08/31/2022 | Area | 2 | | | 505 | 1010 | 100 | 6.5 | 8.280 | 0.003 | | 09/12/22 | [REDACTED] |
| 22090315.04 | MSE02-083122 | 08/31/2022 | Area | 2 | | | 501 | 1002 | 100 | 2 | 2.548 | < 0.003 | | 09/12/22 | [REDACTED] |

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts



Sample Condition Checklist

| | | | | |
|--|--|-------------------------------|-----------|------------|
| A&B JobID : 22090315 | Date Received : 09/02/2022 | Time Received : 3:02PM | | |
| Client Name : GES - ASRC Industrial | | | | |
| Temperature : 24.3°C | Sample pH : NA | | | |
| Thermometer ID : IR4 | pH Paper ID : NA | | | |
| Perservative : | | | | |
| | Check Points | Yes | No | N/A |
| 1. | Cooler Seal present and signed. | X | | |
| 2. | Sample(s) in a cooler. | | X | |
| 3. | If yes, ice in cooler. | | | X |
| 4. | Sample(s) received with chain-of-custody. | X | | |
| 5. | C-O-C signed and dated. | X | | |
| 6. | Sample(s) received with signed sample custody seal. | | X | |
| 7. | Sample containers arrived intact. (If No comment) | X | | |
| 8. | Matrix: Water Soil Liquid Sludge Solid Cassette Tube Bulk Badge Food Other <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | | | |
| 9. | Samples were received in appropriate container(s) | X | | |
| 10. | Sample(s) were received with Proper preservative | | | X |
| 11. | All samples were tagged or labeled. | X | | |
| 12. | Sample ID labels match C-O-C ID's. | X | | |
| 13. | Bottle count on C-O-C matches bottles found. | X | | |
| 14. | Sample volume is sufficient for analyses requested. | X | | |
| 15. | Samples were received with in the hold time. | X | | |
| 16. | VOA vials completely filled. | | | X |
| 17. | Sample accepted. | X | | |
| 18. | Has client been contacted about sub-out | | | X |

Comments : Include actions taken to resolve discrepancies/problem:
 Black Cassettes. No cooler was received, however samples are received in a box with a custody seal. [REDACTED] 09/02/22

Received by : [REDACTED]

Check in by/date : [REDACTED] 09/02/2022

ab-s005-0321



Chain-Of-Custody

Project Name and Number: HPNS Parcel E Phase II J310000400 Laboratory Name: A&B Labs 9/01/2022
 Project Manager: [Redacted] Address: 10100 East Fwy Ste. 100 Contact Name: [Redacted] Page: 1 of 1
 Site Location: Hunters Point, San Francisco, CA 94124 Houston TX 77029

Job ID: 22090315



09/02/2022 GES - ASRC Industrial ACI

| Sample ID | Date | Time | Sample Depth (top) | Sample Depth (bottom) | No. of Containers | Sample Matrix | Analysis: | | Flow Rate = 2 L/min | Special Instructions/Comments Total Time (min) |
|------------------|-----------|----------------|--------------------|-----------------------|-------------------|---------------|-----------|---------------|---------------------|---|
| | | | | | | | Asbestos | Preservative: | | |
| 01A MSE01-083022 | 8/30/2022 | 1557 9-1-22 | NA | NA | 1 | AA | X | None | | 556 01A |
| 02A MSE02-083022 | 8/30/2022 | 1557 9-1-22 | NA | NA | 1 | AA | X | None | | 548 02A |
| 03A MSE01-083122 | 8/31/2022 | 1459 | NA | NA | 1 | AA | X | Filter | | 505 03A |
| 04A MSE02-083122 | 8/31/2022 | 1451 | NA | NA | 1 | AA | X | Filter | | 501 04A |
| N/A | | | | | | | | | | |

[Redacted] 9-1-22

| | | | | | | |
|----------------------------------|---|--|-------|---------------------------|----------|-------|
| Sampled By: [Redacted] | Sampler: [Redacted] | Courier/Airbill No.: FedEx: 7778 0184 9880 | | | | |
| Signature: [Redacted] | Relinquished By/Affiliation: [Redacted] | Date: | Time: | Received By/ Affiliation: | Date: | Time: |
| Special Instructions: | [Redacted] / GILBANE | 9-1-22 | 1600 | FEDEX | 9-1-22 | 1600 |
| | FEDEX | | | [Redacted] | 09/02/22 | 1502 |
| Send Results to: [Redacted] | | | | | | |
| Turnaround Time: <u>Standard</u> | | | | | | |

24.50C JCY AM

ORIGIN ID: ICCA
200 FISHER STREET
SAN FRANCISCO, CA 94124
UNITED STATES US

SHIP DATE: 01SEP22
ACTWGT: 1.00 LB
CAD: 254128867/NET4530
BILL SENDER

TO
A & B LABS
10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060 REF: J31000 400 00 10 04
INV DEPT
PO



89111EJ80FEZD

FRI - 02 SEP 4:30P
STANDARD OVERNIGHT

TRK# 7778 0184 9880
0201

UL HBYA

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ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-90622-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

[REDACTED]

Authorized for release by:
8/11/2022 8:36:42 AM

[REDACTED], Project Manager I

[REDACTED]

LINKS

Review your project
results through



Have a Question?



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www.eurofinsus.com/Env

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Job ID: 320-90622-1

Laboratory: Eurofins Sacramento

Narrative

**Job Narrative
320-90622-1**

Comments

No additional comments.

Receipt

The samples were received on 8/3/2022 9:55 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 19.3° C.

Metals

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Client Sample ID: GES_PM061322-66

Lab Sample ID: 320-90622-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0016 | J | 0.0021 | 0.00032 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.019 | | 0.0043 | 0.00032 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0034 | | 0.0021 | 0.00030 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 7.8 | | 0.89 | 0.89 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP062722-66

Lab Sample ID: 320-90622-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 2.9789 | | 0.9309 | 0.9309 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM061322-67

Lab Sample ID: 320-90622-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0015 | J | 0.0021 | 0.00032 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.13 | | 0.0042 | 0.00032 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0035 | | 0.0021 | 0.00030 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 6.9 | | 0.88 | 0.88 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP062722-67

Lab Sample ID: 320-90622-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 11.7142 | | 0.8874 | 0.8874 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM061322-68

Lab Sample ID: 320-90622-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0021 | | 0.00071 | 0.00011 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.019 | | 0.0014 | 0.00011 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0054 | | 0.00071 | 0.000099 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 16 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP062722-68

Lab Sample ID: 320-90622-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 24.6176 | | 0.3054 | 0.3054 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM061322-69

Lab Sample ID: 320-90622-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0014 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.034 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0042 | | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 14 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP062722-69

Lab Sample ID: 320-90622-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 20.7364 | | 0.2904 | 0.2904 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Client Sample ID: GES_PM061322-66

Lab Sample ID: 320-90622-1

Date Collected: 07/28/22 14:32

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0016 | J | 0.0021 | 0.00032 | ug/m3 (Air) | | 08/09/22 06:15 | 08/10/22 14:46 | 1 |
| Copper | 0.019 | | 0.0043 | 0.00032 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:43 | 1 |
| Manganese | 0.0034 | | 0.0021 | 0.00030 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:43 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 7.8 | | 0.89 | 0.89 | ug/m3 | | | 08/04/22 15:30 | 1 |

Client Sample ID: GES_TSP062722-66

Lab Sample ID: 320-90622-2

Date Collected: 07/28/22 14:32

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 2.9789 | | 0.9309 | 0.9309 | ug/m3 (Air) | | | 08/04/22 14:30 | 1 |

Client Sample ID: GES_PM061322-67

Lab Sample ID: 320-90622-3

Date Collected: 07/28/22 14:25

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0015 | J | 0.0021 | 0.00032 | ug/m3 (Air) | | 08/09/22 06:15 | 08/10/22 14:55 | 1 |
| Copper | 0.13 | | 0.0042 | 0.00032 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:52 | 1 |
| Manganese | 0.0035 | | 0.0021 | 0.00030 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:52 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 6.9 | | 0.88 | 0.88 | ug/m3 | | | 08/04/22 15:30 | 1 |

Client Sample ID: GES_TSP062722-67

Lab Sample ID: 320-90622-4

Date Collected: 07/28/22 14:25

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 11.7142 | | 0.8874 | 0.8874 | ug/m3 (Air) | | | 08/04/22 14:30 | 1 |

Client Sample ID: GES_PM061322-68

Lab Sample ID: 320-90622-5

Date Collected: 08/02/22 06:44

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0021 | | 0.00071 | 0.00011 | ug/m3 (Air) | | 08/09/22 06:15 | 08/10/22 14:59 | 1 |
| Copper | 0.019 | | 0.0014 | 0.00011 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:56 | 1 |
| Manganese | 0.0054 | | 0.00071 | 0.000099 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:56 | 1 |

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Client Sample ID: GES_PM061322-68

Lab Sample ID: 320-90622-5

Date Collected: 08/02/22 06:44

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 16 | | 0.29 | 0.29 | ug/m3 | | | 08/04/22 15:30 | 1 |

Client Sample ID: GES_TSP062722-68

Lab Sample ID: 320-90622-6

Date Collected: 08/02/22 06:44

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 24.6176 | | 0.3054 | 0.3054 | ug/m3 (Air) | | | 08/04/22 14:30 | 1 |

Client Sample ID: GES_PM061322-69

Lab Sample ID: 320-90622-7

Date Collected: 08/02/22 06:35

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0014 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/09/22 06:15 | 08/10/22 15:02 | 1 |
| Copper | 0.034 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:59 | 1 |
| Manganese | 0.0042 | | 0.00069 | 0.000096 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:59 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 14 | | 0.29 | 0.29 | ug/m3 | | | 08/04/22 15:30 | 1 |

Client Sample ID: GES_TSP062722-69

Lab Sample ID: 320-90622-8

Date Collected: 08/02/22 06:35

Matrix: Air

Date Received: 08/03/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 20.7364 | | 0.2904 | 0.2904 | ug/m3 (Air) | | | 08/04/22 14:30 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-608117/1-B
Matrix: Air
Analysis Batch: 608588

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608124

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:33 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 08/09/22 06:15 | 08/09/22 16:33 | 1 |

Lab Sample ID: MB 320-608117/1-B
Matrix: Air
Analysis Batch: 608694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608124

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 08/09/22 06:15 | 08/10/22 14:36 | 1 |

Lab Sample ID: LCS 320-608117/2-B
Matrix: Air
Analysis Batch: 608588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608124

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Copper | 0.240 | 0.236 | | ug/m3 (Air) | | 98 | 85 - 110 |
| Manganese | 0.240 | 0.246 | | ug/m3 (Air) | | 103 | 88 - 110 |

Lab Sample ID: LCS 320-608117/2-B
Matrix: Air
Analysis Batch: 608694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608124

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.229 | | ug/m3 (Air) | | 95 | 86 - 111 |

Lab Sample ID: LCSD 320-608117/3-B
Matrix: Air
Analysis Batch: 608588

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608124

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Copper | 0.240 | 0.237 | | ug/m3 (Air) | | 99 | 85 - 110 | 0 | 15 |
| Manganese | 0.240 | 0.246 | | ug/m3 (Air) | | 102 | 88 - 110 | 0 | 15 |

Lab Sample ID: LCSD 320-608117/3-B
Matrix: Air
Analysis Batch: 608694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608124

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.243 | | ug/m3 (Air) | | 101 | 86 - 111 | 6 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Metals

Pre Prep Batch: 608117

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-90622-1 | GES_PM061322-66 | Total/NA | Air | Filter to Air | |
| 320-90622-3 | GES_PM061322-67 | Total/NA | Air | Filter to Air | |
| 320-90622-5 | GES_PM061322-68 | Total/NA | Air | Filter to Air | |
| 320-90622-7 | GES_PM061322-69 | Total/NA | Air | Filter to Air | |
| MB 320-608117/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-608117/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-608117/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 608124

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90622-1 | GES_PM061322-66 | Total/NA | Air | 3050B | 608117 |
| 320-90622-3 | GES_PM061322-67 | Total/NA | Air | 3050B | 608117 |
| 320-90622-5 | GES_PM061322-68 | Total/NA | Air | 3050B | 608117 |
| 320-90622-7 | GES_PM061322-69 | Total/NA | Air | 3050B | 608117 |
| MB 320-608117/1-B | Method Blank | Total/NA | Air | 3050B | 608117 |
| LCS 320-608117/2-B | Lab Control Sample | Total/NA | Air | 3050B | 608117 |
| LCSD 320-608117/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 608117 |

Analysis Batch: 608588

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90622-1 | GES_PM061322-66 | Total/NA | Air | 6020 | 608124 |
| 320-90622-3 | GES_PM061322-67 | Total/NA | Air | 6020 | 608124 |
| 320-90622-5 | GES_PM061322-68 | Total/NA | Air | 6020 | 608124 |
| 320-90622-7 | GES_PM061322-69 | Total/NA | Air | 6020 | 608124 |
| MB 320-608117/1-B | Method Blank | Total/NA | Air | 6020 | 608124 |
| LCS 320-608117/2-B | Lab Control Sample | Total/NA | Air | 6020 | 608124 |
| LCSD 320-608117/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 608124 |

Analysis Batch: 608694

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90622-1 | GES_PM061322-66 | Total/NA | Air | 6020 | 608124 |
| 320-90622-3 | GES_PM061322-67 | Total/NA | Air | 6020 | 608124 |
| 320-90622-5 | GES_PM061322-68 | Total/NA | Air | 6020 | 608124 |
| 320-90622-7 | GES_PM061322-69 | Total/NA | Air | 6020 | 608124 |
| MB 320-608117/1-B | Method Blank | Total/NA | Air | 6020 | 608124 |
| LCS 320-608117/2-B | Lab Control Sample | Total/NA | Air | 6020 | 608124 |
| LCSD 320-608117/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 608124 |

General Chemistry

Pre Prep Batch: 608684

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-90622-2 | GES_TSP062722-66 | Total/NA | Air | Filter to Air | |
| 320-90622-4 | GES_TSP062722-67 | Total/NA | Air | Filter to Air | |
| 320-90622-6 | GES_TSP062722-68 | Total/NA | Air | Filter to Air | |
| 320-90622-8 | GES_TSP062722-69 | Total/NA | Air | Filter to Air | |

Analysis Batch: 608718

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-90622-1 | GES_PM061322-66 | Total/NA | Air | PM10 | |
| 320-90622-3 | GES_PM061322-67 | Total/NA | Air | PM10 | |

Eurofins Sacramento

QC Association Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

General Chemistry (Continued)

Analysis Batch: 608718 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-90622-5 | GES_PM061322-68 | Total/NA | Air | PM10 | |
| 320-90622-7 | GES_PM061322-69 | Total/NA | Air | PM10 | |

Analysis Batch: 608719

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-90622-2 | GES_TSP062722-66 | Total/NA | Air | 40CFR50 App B | 608684 |
| 320-90622-4 | GES_TSP062722-67 | Total/NA | Air | 40CFR50 App B | 608684 |
| 320-90622-6 | GES_TSP062722-68 | Total/NA | Air | 40CFR50 App B | 608684 |
| 320-90622-8 | GES_TSP062722-69 | Total/NA | Air | 40CFR50 App B | 608684 |



Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Client Sample ID: GES_PM061322-66

Lab Sample ID: 320-90622-1

Date Collected: 07/28/22 14:32

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608588 | 08/09/22 16:43 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608694 | 08/10/22 14:46 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0044 g | 608718 | 08/04/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP062722-66

Lab Sample ID: 320-90622-2

Date Collected: 07/28/22 14:32

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | 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 | | | 608719 | 08/04/22 14:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608684 | 08/10/22 15:28 | | EET SAC |

Client Sample ID: GES_PM061322-67

Lab Sample ID: 320-90622-3

Date Collected: 07/28/22 14:25

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608588 | 08/09/22 16:52 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608694 | 08/10/22 14:55 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0039 g | 608718 | 08/04/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP062722-67

Lab Sample ID: 320-90622-4

Date Collected: 07/28/22 14:25

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | 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 | | | 608719 | 08/04/22 14:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608684 | 08/10/22 15:28 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Client Sample ID: GES_PM061322-68

Lab Sample ID: 320-90622-5

Date Collected: 08/02/22 06:44

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608588 | 08/09/22 16:56 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608694 | 08/10/22 14:59 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0268 g | 608718 | 08/04/22 15:30 | █ | EET SAC |

Client Sample ID: GES_TSP062722-68

Lab Sample ID: 320-90622-6

Date Collected: 08/02/22 06:44

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | 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 | | | 608719 | 08/04/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608684 | 08/10/22 15:28 | █ | EET SAC |

Client Sample ID: GES_PM061322-69

Lab Sample ID: 320-90622-7

Date Collected: 08/02/22 06:35

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608588 | 08/09/22 16:59 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608117 | 08/09/22 04:38 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608124 | 08/09/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608694 | 08/10/22 15:02 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0236 g | 608718 | 08/04/22 15:30 | █ | EET SAC |

Client Sample ID: GES_TSP062722-69

Lab Sample ID: 320-90622-8

Date Collected: 08/02/22 06:35

Matrix: Air

Date Received: 08/03/22 09:55

| Prep Type | 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 | | | 608719 | 08/04/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 608684 | 08/10/22 15:28 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

Laboratory: Eurofins 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 | 01-29-23 |

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 |

- 1
- 2
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- 12
- 13
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Method Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90622-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 320-90622-1 | GES_PM061322-66 | Air | 07/28/22 14:32 | 08/03/22 09:55 |
| 320-90622-2 | GES_TSP062722-66 | Air | 07/28/22 14:32 | 08/03/22 09:55 |
| 320-90622-3 | GES_PM061322-67 | Air | 07/28/22 14:25 | 08/03/22 09:55 |
| 320-90622-4 | GES_TSP062722-67 | Air | 07/28/22 14:25 | 08/03/22 09:55 |
| 320-90622-5 | GES_PM061322-68 | Air | 08/02/22 06:44 | 08/03/22 09:55 |
| 320-90622-6 | GES_TSP062722-68 | Air | 08/02/22 06:44 | 08/03/22 09:55 |
| 320-90622-7 | GES_PM061322-69 | Air | 08/02/22 06:35 | 08/03/22 09:55 |
| 320-90622-8 | GES_TSP062722-69 | Air | 08/02/22 06:35 | 08/03/22 09:55 |

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**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT080222AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | | | | | | | | | | | | | | | | |
|-------------------|-------------------------------|------------------|-----------------|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|------------------------------------|---------------------|
| Comments: | Analytical Test Method | CAAIR - Air PM10 | N0500 - Air TSP | SW6020 - Air Pb Mn Cu | | | | | | | | | | | | | Code Matrix | |
| | | | | | | | | | | | | | | | | | A Air | |
| Equipment: | | | | | | | | | | | | | | | | | Code Container/Preservative | |
| | | | | | | | | | | | | | | | | | 1 1x 250-mL Plastic, 4 Degrees C | |
| | | | | | | | | | | | | | | | | | | 1 1x Envelope, None |



| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | | | | | | | |
|--|------------------|------|------------|------------|----|---|---|---|--|--|--|--|--|--|-------------|-------------|----------------|--------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| | | | | | | | | | | | | | | | | | Top | Bottom | | |
| 1 | GES_PM061322-66 | A | 07/28/2022 | 1432 | KT | X | | X | | | | | | | AMSE1 | N2 | 0.00 | 0.00 | 1 | VOLUME: 561.14 (M3) |
| 2 | GES_TSP062722-66 | A | 07/28/2022 | 1432 | KT | | X | | | | | | | | AMSE1 | N2 | 0.00 | 0.00 | 1 | VOLUME: 537.11 (M3) |
| 3 | GES_PM061322-67 | A | 07/28/2022 | 1425 | KT | X | | X | | | | | | | AMSE2 | N2 | 0.00 | 0.00 | 1 | VOLUME: 568.09 (M3) |
| 4 | GES_TSP062722-67 | A | 07/28/2022 | 1425 | KT | | X | | | | | | | | AMSE2 | N2 | 0.00 | 0.00 | 1 | VOLUME: 563.42 (M3) |
| 5 | GES_PM061322-68 | A | 08/02/2022 | 0644 | KT | X | | X | | | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1699.52 (M3) |
| 6 | GES_TSP062722-68 | A | 08/02/2022 | 0644 | KT | | X | | | | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1637.04 (M3) |
| 7 | GES_PM061322-69 | A | 08/02/2022 | 0635 | KT | X | | X | | | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1744.41 (M3) |
| 8 | GES_TSP062722-69 | A | 08/02/2022 | 0635 | KT | | X | | | | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1721.61 (M3) |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|------|--------------------------|--------|------|--|
| [Redacted] | 8/2/22 | 1600 | FED EX | 8/2/22 | 1600 | Shipping Date: 8/2/2022 / FedEx 7775 5127 3050 |
| | | | [Redacted] | 8-3-22 | 0955 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-90622-1

Login Number: 90622

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | 1495340 |
| 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-90746-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

[REDACTED]

Authorized for release by:
8/15/2022 8:59:01 AM

[REDACTED] Project Manager I
[REDACTED]
[REDACTED]

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| B | Compound was found in the blank and sample. |
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Job ID: 320-90746-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-90746-1

Comments

No additional comments.

Receipt

The samples were received on 8/5/2022 9:35 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 19.7° C.

Metals

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

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Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Client Sample ID: GES_PM061322-70

Lab Sample ID: 320-90746-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0039 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.015 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0088 | B | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 19 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP062722-70

Lab Sample ID: 320-90746-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 28.8518 | | 0.2968 | 0.2968 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM061322-71

Lab Sample ID: 320-90746-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0033 | | 0.00068 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.053 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0091 | B | 0.00068 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 21 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP062722-71

Lab Sample ID: 320-90746-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 31.9151 | | 0.2870 | 0.2870 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-109

Lab Sample ID: 320-90746-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0013 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.013 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0031 | B | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 11 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-109

Lab Sample ID: 320-90746-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 9.2470 | | 0.2964 | 0.2964 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM061322-72

Lab Sample ID: 320-90746-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0017 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.049 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0047 | B | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 17 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP062722-72

Lab Sample ID: 320-90746-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 24.4156 | | 0.2886 | 0.2886 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Client Sample ID: GES_PM061322-70

Lab Sample ID: 320-90746-1

Date Collected: 08/03/22 06:46

Matrix: Air

Date Received: 08/05/22 13:42

Sample Container: Petri/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0039 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:51 | 1 |
| Copper | 0.015 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:51 | 1 |
| Manganese | 0.0088 | B | 0.00069 | 0.000096 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:51 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 19 | | 0.29 | 0.29 | ug/m3 | | | 08/08/22 13:22 | 1 |

Client Sample ID: GES_TSP062722-70

Lab Sample ID: 320-90746-2

Date Collected: 08/03/22 06:46

Matrix: Air

Date Received: 08/05/22 13:42

Sample Container: Petri/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 28.8518 | | 0.2968 | 0.2968 | ug/m3 (Air) | | | 08/08/22 14:30 | 1 |

Client Sample ID: GES_PM061322-71

Lab Sample ID: 320-90746-3

Date Collected: 08/03/22 06:37

Matrix: Air

Date Received: 08/05/22 13:42

Sample Container: Petri/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0033 | | 0.00068 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:55 | 1 |
| Copper | 0.053 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:55 | 1 |
| Manganese | 0.0091 | B | 0.00068 | 0.000096 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:55 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 21 | | 0.29 | 0.29 | ug/m3 | | | 08/08/22 13:22 | 1 |

Client Sample ID: GES_TSP062722-71

Lab Sample ID: 320-90746-4

Date Collected: 08/03/22 06:37

Matrix: Air

Date Received: 08/05/22 13:42

Sample Container: Petri/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 31.9151 | | 0.2870 | 0.2870 | ug/m3 (Air) | | | 08/08/22 14:30 | 1 |

Client Sample ID: GES_PM071122-109

Lab Sample ID: 320-90746-5

Date Collected: 08/04/22 06:41

Matrix: Air

Date Received: 08/05/22 13:42

Sample Container: Petri/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0013 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:58 | 1 |
| Copper | 0.013 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:58 | 1 |
| Manganese | 0.0031 | B | 0.00069 | 0.000096 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 13:58 | 1 |

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Client Sample ID: GES_PM071122-109

Lab Sample ID: 320-90746-5

Date Collected: 08/04/22 06:41
 Date Received: 08/05/22 13:42
 Sample Container: Petri/Filter

Matrix: Air

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 11 | | 0.29 | 0.29 | ug/m3 | | | 08/08/22 13:22 | 1 |

Client Sample ID: GES_TSP071122-109

Lab Sample ID: 320-90746-6

Date Collected: 08/04/22 06:41
 Date Received: 08/05/22 13:42
 Sample Container: Petri/Filter

Matrix: Air

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 9.2470 | | 0.2964 | 0.2964 | ug/m3 (Air) | | | 08/08/22 14:30 | 1 |

Client Sample ID: GES_PM061322-72

Lab Sample ID: 320-90746-7

Date Collected: 08/04/22 06:33
 Date Received: 08/05/22 13:42
 Sample Container: Petri/Filter

Matrix: Air

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0017 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 14:01 | 1 |
| Copper | 0.049 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 14:01 | 1 |
| Manganese | 0.0047 | B | 0.00069 | 0.000097 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 14:01 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 17 | | 0.29 | 0.29 | ug/m3 | | | 08/08/22 13:22 | 1 |

Client Sample ID: GES_TSP062722-72

Lab Sample ID: 320-90746-8

Date Collected: 08/04/22 06:33
 Date Received: 08/05/22 13:42
 Sample Container: Petri/Filter

Matrix: Air

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 24.4156 | | 0.2886 | 0.2886 | ug/m3 (Air) | | | 08/08/22 14:30 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-608782/1-B
Matrix: Air
Analysis Batch: 608956

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608784

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 12:40 | 1 |
| Manganese | 0.000731 | J | 0.0012 | 0.00017 | ug/m3 (Air) | | 08/11/22 06:15 | 08/11/22 12:40 | 1 |

Lab Sample ID: MB 320-608782/1-B
Matrix: Air
Analysis Batch: 609207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 608784

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 08/11/22 06:15 | 08/12/22 12:33 | 1 |

Lab Sample ID: LCS 320-608782/2-B
Matrix: Air
Analysis Batch: 608956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 608784

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.251 | | ug/m3 (Air) | | 105 | 86 - 111 |
| Copper | 0.240 | 0.238 | | ug/m3 (Air) | | 99 | 85 - 110 |
| Manganese | 0.240 | 0.246 | | ug/m3 (Air) | | 102 | 88 - 110 |

Lab Sample ID: LCSD 320-608782/3-B
Matrix: Air
Analysis Batch: 608956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 608784

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.254 | | ug/m3 (Air) | | 106 | 86 - 111 | 1 | 15 |
| Copper | 0.240 | 0.240 | | ug/m3 (Air) | | 100 | 85 - 110 | 1 | 15 |
| Manganese | 0.240 | 0.250 | | ug/m3 (Air) | | 104 | 88 - 110 | 2 | 15 |

QC Association Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Metals

Pre Prep Batch: 608782

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-90746-1 | GES_PM061322-70 | Total/NA | Air | Filter to Air | |
| 320-90746-3 | GES_PM061322-71 | Total/NA | Air | Filter to Air | |
| 320-90746-5 | GES_PM071122-109 | Total/NA | Air | Filter to Air | |
| 320-90746-7 | GES_PM061322-72 | Total/NA | Air | Filter to Air | |
| MB 320-608782/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-608782/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-608782/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 608784

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90746-1 | GES_PM061322-70 | Total/NA | Air | 3050B | 608782 |
| 320-90746-3 | GES_PM061322-71 | Total/NA | Air | 3050B | 608782 |
| 320-90746-5 | GES_PM071122-109 | Total/NA | Air | 3050B | 608782 |
| 320-90746-7 | GES_PM061322-72 | Total/NA | Air | 3050B | 608782 |
| MB 320-608782/1-B | Method Blank | Total/NA | Air | 3050B | 608782 |
| LCS 320-608782/2-B | Lab Control Sample | Total/NA | Air | 3050B | 608782 |
| LCSD 320-608782/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 608782 |

Analysis Batch: 608956

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90746-1 | GES_PM061322-70 | Total/NA | Air | 6020 | 608784 |
| 320-90746-3 | GES_PM061322-71 | Total/NA | Air | 6020 | 608784 |
| 320-90746-5 | GES_PM071122-109 | Total/NA | Air | 6020 | 608784 |
| 320-90746-7 | GES_PM061322-72 | Total/NA | Air | 6020 | 608784 |
| MB 320-608782/1-B | Method Blank | Total/NA | Air | 6020 | 608784 |
| LCS 320-608782/2-B | Lab Control Sample | Total/NA | Air | 6020 | 608784 |
| LCSD 320-608782/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 608784 |

Analysis Batch: 609207

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| MB 320-608782/1-B | Method Blank | Total/NA | Air | 6020 | 608784 |

General Chemistry

Pre Prep Batch: 609149

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90746-2 | GES_TSP062722-70 | Total/NA | Air | Filter to Air | |
| 320-90746-4 | GES_TSP062722-71 | Total/NA | Air | Filter to Air | |
| 320-90746-6 | GES_TSP071122-109 | Total/NA | Air | Filter to Air | |
| 320-90746-8 | GES_TSP062722-72 | Total/NA | Air | Filter to Air | |

Analysis Batch: 609183

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-90746-1 | GES_PM061322-70 | Total/NA | Air | PM10 | |
| 320-90746-3 | GES_PM061322-71 | Total/NA | Air | PM10 | |
| 320-90746-5 | GES_PM071122-109 | Total/NA | Air | PM10 | |
| 320-90746-7 | GES_PM061322-72 | Total/NA | Air | PM10 | |

Analysis Batch: 609184

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-90746-2 | GES_TSP062722-70 | Total/NA | Air | 40CFR50 App B | 609149 |

Eurofins Sacramento

QC Association Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

General Chemistry (Continued)

Analysis Batch: 609184 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90746-4 | GES_TSP062722-71 | Total/NA | Air | 40CFR50 App B | 609149 |
| 320-90746-6 | GES_TSP071122-109 | Total/NA | Air | 40CFR50 App B | 609149 |
| 320-90746-8 | GES_TSP062722-72 | Total/NA | Air | 40CFR50 App B | 609149 |

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Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Client Sample ID: GES_PM061322-70

Lab Sample ID: 320-90746-1

Date Collected: 08/03/22 06:46

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608782 | 08/11/22 04:34 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608784 | 08/11/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608956 | 08/11/22 13:51 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0338 g | 609183 | 08/08/22 13:22 | █ | EET SAC |

Client Sample ID: GES_TSP062722-70

Lab Sample ID: 320-90746-2

Date Collected: 08/03/22 06:46

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | 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 | | | 609184 | 08/08/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609149 | 08/12/22 12:05 | █ | EET SAC |

Client Sample ID: GES_PM061322-71

Lab Sample ID: 320-90746-3

Date Collected: 08/03/22 06:37

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608782 | 08/11/22 04:34 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608784 | 08/11/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608956 | 08/11/22 13:55 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0360 g | 609183 | 08/08/22 13:22 | █ | EET SAC |

Client Sample ID: GES_TSP062722-71

Lab Sample ID: 320-90746-4

Date Collected: 08/03/22 06:37

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | 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 | | | 609184 | 08/08/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609149 | 08/12/22 12:05 | █ | EET SAC |

Client Sample ID: GES_PM071122-109

Lab Sample ID: 320-90746-5

Date Collected: 08/04/22 06:41

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608782 | 08/11/22 04:34 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608784 | 08/11/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608956 | 08/11/22 13:58 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0195 g | 609183 | 08/08/22 13:22 | █ | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Client Sample ID: GES_TSP071122-109

Lab Sample ID: 320-90746-6

Date Collected: 08/04/22 06:41

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | 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 | | | 609184 | 08/08/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609149 | 08/12/22 12:05 | █ | EET SAC |

Client Sample ID: GES_PM061322-72

Lab Sample ID: 320-90746-7

Date Collected: 08/04/22 06:33

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 608782 | 08/11/22 04:34 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 608784 | 08/11/22 06:15 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 608956 | 08/11/22 14:01 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0287 g | 609183 | 08/08/22 13:22 | █ | EET SAC |

Client Sample ID: GES_TSP062722-72

Lab Sample ID: 320-90746-8

Date Collected: 08/04/22 06:33

Matrix: Air

Date Received: 08/05/22 13:42

| Prep Type | 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 | | | 609184 | 08/08/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609149 | 08/12/22 12:05 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

Laboratory: Eurofins 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 | 01-29-23 |

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 |

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Method Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90746-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 320-90746-1 | GES_PM061322-70 | Air | 08/03/22 06:46 | 08/05/22 13:42 |
| 320-90746-2 | GES_TSP062722-70 | Air | 08/03/22 06:46 | 08/05/22 13:42 |
| 320-90746-3 | GES_PM061322-71 | Air | 08/03/22 06:37 | 08/05/22 13:42 |
| 320-90746-4 | GES_TSP062722-71 | Air | 08/03/22 06:37 | 08/05/22 13:42 |
| 320-90746-5 | GES_PM071122-109 | Air | 08/04/22 06:41 | 08/05/22 13:42 |
| 320-90746-6 | GES_TSP071122-109 | Air | 08/04/22 06:41 | 08/05/22 13:42 |
| 320-90746-7 | GES_PM061322-72 | Air | 08/04/22 06:33 | 08/05/22 13:42 |
| 320-90746-8 | GES_TSP062722-72 | Air | 08/04/22 06:33 | 08/05/22 13:42 |

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**CHAIN-OF-CUSTODY
RECORD**


Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT080422AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINs ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | |
|-------------------|--|----------------------------------|--|
| Comments: | Analytical Test Method CAAIR - Air PM10 ND500 - Air TSP SW6020 - Air Pb Mn Cu | Code Matrix | |
| | | A Air | |
| Equipment: | | Code Container/Preservative | |
| | | 1 1x 250-mL Plastic, 4 Degrees C | |
| | | 1 1x Envelope, None | |


 320-90746 Chain of Custody

| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | |
|--|-------------------|------|------------|------------|------------------------|-----------------|-----------------------|--|-------------|-------------|----------------|--------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | Analytical Test Method | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments |
| | | | | | CAAIR - Air PM10 | ND500 - Air TSP | SW6020 - Air Pb Mn Cu | | | | Top | Bottom | | |
| 1 | GES_PM061322-70 | A | 08/03/2022 | 0646 | [Redacted] | X | X | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1746.98 (M3) |
| 2 | GES_TSP062722-70 | A | 08/03/2022 | 0646 | [Redacted] | | X | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1684.47 (M3) |
| 3 | GES_PM061322-71 | A | 08/03/2022 | 0637 | [Redacted] | X | X | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1752.39 (M3) |
| 4 | GES_TSP062722-71 | A | 08/03/2022 | 0637 | [Redacted] | | X | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1742.12 (M3) |
| 5 | GES_PM071122-109 | A | 08/04/2022 | 0641 | [Redacted] | X | X | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1741.44 (M3) |
| 6 | GES_TSP071122-109 | A | 08/04/2022 | 0641 | [Redacted] | | X | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1687.03 (M3) |
| 7 | GES_PM061322-72 | A | 08/04/2022 | 0633 | [Redacted] | X | X | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1736.07 (M3) |
| 8 | GES_TSP062722-72 | A | 08/04/2022 | 0633 | [Redacted] | | X | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1732.50 (M3) |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|------|--------------------------|--------|------|---|
| [Redacted] | 8/4/22 | 1600 | FedEx | 8/4/22 | 1600 | Shipping Date: 8/4/2022 / FedEx 7775 6439 4029 |
| | | | [Redacted] | 8-5-22 | 0935 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

197c

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8/15/2022



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-90746-1

Login Number: 90746

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-90860-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

Authorized for release by:
8/17/2022 4:29:21 PM

[REDACTED], Project Manager I
[REDACTED]
[REDACTED]

LINKS

Review your project
results through



Have a Question?



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www.eurofinsus.com/Env

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Job ID: 320-90860-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-90860-1

Comments

No additional comments.

Receipt

The samples were received on 8/10/2022 9:30 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 20.0° C.

Metals

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

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Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Client Sample ID: GES_PM071122-110

Lab Sample ID: 320-90860-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0029 | | 0.0021 | 0.00031 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.027 | | 0.0041 | 0.00031 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0063 | | 0.0021 | 0.00029 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 17 | | 0.86 | 0.86 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-110

Lab Sample ID: 320-90860-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|--------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 7.6167 | | 0.8857 | 0.8857 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-111

Lab Sample ID: 320-90860-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0051 | | 0.0020 | 0.00031 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.078 | | 0.0041 | 0.00031 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.013 | | 0.0020 | 0.00029 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 36 | | 1.0 | 1.0 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-111

Lab Sample ID: 320-90860-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 41.9360 | | 0.8223 | 0.8223 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-112

Lab Sample ID: 320-90860-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0015 | | 0.00070 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.011 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0038 | | 0.00070 | 0.000098 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 5.3 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-112

Lab Sample ID: 320-90860-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 15.0038 | | 0.3013 | 0.3013 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-113

Lab Sample ID: 320-90860-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0024 | | 0.00092 | 0.00014 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.013 | | 0.0018 | 0.00014 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0053 | | 0.00092 | 0.00013 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 7.6 | | 0.38 | 0.38 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-113

Lab Sample ID: 320-90860-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 27.9892 | | 0.3887 | 0.3887 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Client Sample ID: GES_PM071122-110

Lab Sample ID: 320-90860-1

Date Collected: 08/04/22 14:43

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0029 | | 0.0021 | 0.00031 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:42 | 1 |
| Copper | 0.027 | | 0.0041 | 0.00031 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:42 | 1 |
| Manganese | 0.0063 | | 0.0021 | 0.00029 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:42 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 17 | | 0.86 | 0.86 | ug/m3 | | | 08/11/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-110

Lab Sample ID: 320-90860-2

Date Collected: 08/04/22 14:43

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|--------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 7.6167 | | 0.8857 | 0.8857 | ug/m3 (Air) | | | 08/11/22 13:00 | 1 |

Client Sample ID: GES_PM071122-111

Lab Sample ID: 320-90860-3

Date Collected: 08/04/22 14:37

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0051 | | 0.0020 | 0.00031 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:51 | 1 |
| Copper | 0.078 | | 0.0041 | 0.00031 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:51 | 1 |
| Manganese | 0.013 | | 0.0020 | 0.00029 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:51 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 36 | | 1.0 | 1.0 | ug/m3 | | | 08/11/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-111

Lab Sample ID: 320-90860-4

Date Collected: 08/04/22 14:37

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 41.9360 | | 0.8223 | 0.8223 | ug/m3 (Air) | | | 08/11/22 13:00 | 1 |

Client Sample ID: GES_PM071122-112

Lab Sample ID: 320-90860-5

Date Collected: 08/09/22 06:51

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0015 | | 0.00070 | 0.00010 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:55 | 1 |
| Copper | 0.011 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:55 | 1 |
| Manganese | 0.0038 | | 0.00070 | 0.000098 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:55 | 1 |

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Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Client Sample ID: GES_PM071122-112

Lab Sample ID: 320-90860-5

Date Collected: 08/09/22 06:51

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 5.3 | | 0.29 | 0.29 | ug/m3 | | | 08/11/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-112

Lab Sample ID: 320-90860-6

Date Collected: 08/09/22 06:51

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 15.0038 | | 0.3013 | 0.3013 | ug/m3 (Air) | | | 08/11/22 13:00 | 1 |

Client Sample ID: GES_PM071122-113

Lab Sample ID: 320-90860-7

Date Collected: 08/09/22 06:39

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0024 | | 0.00092 | 0.00014 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:58 | 1 |
| Copper | 0.013 | | 0.0018 | 0.00014 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:58 | 1 |
| Manganese | 0.0053 | | 0.00092 | 0.00013 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:58 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 7.6 | | 0.38 | 0.38 | ug/m3 | | | 08/11/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-113

Lab Sample ID: 320-90860-8

Date Collected: 08/09/22 06:39

Matrix: Air

Date Received: 08/10/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 27.9892 | | 0.3887 | 0.3887 | ug/m3 (Air) | | | 08/11/22 13:00 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-609643/1-B
Matrix: Air
Analysis Batch: 609988

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 609715

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:32 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:32 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 08/16/22 05:45 | 08/16/22 16:32 | 1 |

Lab Sample ID: LCS 320-609643/2-B
Matrix: Air
Analysis Batch: 609988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 609715

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.260 | | ug/m3 (Air) | | 108 | 86 - 111 |
| Copper | 0.240 | 0.261 | | ug/m3 (Air) | | 109 | 85 - 110 |
| Manganese | 0.240 | 0.261 | | ug/m3 (Air) | | 109 | 88 - 110 |

Lab Sample ID: LCSD 320-609643/3-B
Matrix: Air
Analysis Batch: 609988

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 609715

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Copper | 0.240 | 0.262 | | ug/m3 (Air) | | 109 | 85 - 110 | 0 | 15 |
| Manganese | 0.240 | 0.262 | | ug/m3 (Air) | | 109 | 88 - 110 | 0 | 15 |

Lab Sample ID: LCSD 320-609643/3-B
Matrix: Air
Analysis Batch: 610146

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 609715

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.251 | | ug/m3 (Air) | | 104 | 86 - 111 | 4 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Metals

Pre Prep Batch: 609643

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-90860-1 | GES_PM071122-110 | Total/NA | Air | Filter to Air | |
| 320-90860-3 | GES_PM071122-111 | Total/NA | Air | Filter to Air | |
| 320-90860-5 | GES_PM071122-112 | Total/NA | Air | Filter to Air | |
| 320-90860-7 | GES_PM071122-113 | Total/NA | Air | Filter to Air | |
| MB 320-609643/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-609643/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-609643/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 609715

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90860-1 | GES_PM071122-110 | Total/NA | Air | 3050B | 609643 |
| 320-90860-3 | GES_PM071122-111 | Total/NA | Air | 3050B | 609643 |
| 320-90860-5 | GES_PM071122-112 | Total/NA | Air | 3050B | 609643 |
| 320-90860-7 | GES_PM071122-113 | Total/NA | Air | 3050B | 609643 |
| MB 320-609643/1-B | Method Blank | Total/NA | Air | 3050B | 609643 |
| LCS 320-609643/2-B | Lab Control Sample | Total/NA | Air | 3050B | 609643 |
| LCSD 320-609643/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 609643 |

Analysis Batch: 609988

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90860-1 | GES_PM071122-110 | Total/NA | Air | 6020 | 609715 |
| 320-90860-3 | GES_PM071122-111 | Total/NA | Air | 6020 | 609715 |
| 320-90860-5 | GES_PM071122-112 | Total/NA | Air | 6020 | 609715 |
| 320-90860-7 | GES_PM071122-113 | Total/NA | Air | 6020 | 609715 |
| MB 320-609643/1-B | Method Blank | Total/NA | Air | 6020 | 609715 |
| LCS 320-609643/2-B | Lab Control Sample | Total/NA | Air | 6020 | 609715 |
| LCSD 320-609643/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 609715 |

Analysis Batch: 610146

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 320-609643/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 609715 |

General Chemistry

Pre Prep Batch: 609839

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90860-2 | GES_TSP071122-110 | Total/NA | Air | Filter to Air | |
| 320-90860-4 | GES_TSP071122-111 | Total/NA | Air | Filter to Air | |
| 320-90860-6 | GES_TSP071122-112 | Total/NA | Air | Filter to Air | |
| 320-90860-8 | GES_TSP071122-113 | Total/NA | Air | Filter to Air | |

Analysis Batch: 610131

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-90860-1 | GES_PM071122-110 | Total/NA | Air | PM10 | |
| 320-90860-3 | GES_PM071122-111 | Total/NA | Air | PM10 | |
| 320-90860-5 | GES_PM071122-112 | Total/NA | Air | PM10 | |
| 320-90860-7 | GES_PM071122-113 | Total/NA | Air | PM10 | |

Analysis Batch: 610132

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90860-2 | GES_TSP071122-110 | Total/NA | Air | 40CFR50 App B | 609839 |

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QC Association Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

General Chemistry (Continued)

Analysis Batch: 610132 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90860-4 | GES_TSP071122-111 | Total/NA | Air | 40CFR50 App B | 609839 |
| 320-90860-6 | GES_TSP071122-112 | Total/NA | Air | 40CFR50 App B | 609839 |
| 320-90860-8 | GES_TSP071122-113 | Total/NA | Air | 40CFR50 App B | 609839 |

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Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Client Sample ID: GES_PM071122-110

Lab Sample ID: 320-90860-1

Date Collected: 08/04/22 14:43

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 609643 | 08/16/22 04:44 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 609715 | 08/16/22 05:45 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 609988 | 08/16/22 16:42 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0099 g | 610131 | 08/11/22 13:00 | █ | EET SAC |

Client Sample ID: GES_TSP071122-110

Lab Sample ID: 320-90860-2

Date Collected: 08/04/22 14:43

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | 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 | | | 610132 | 08/11/22 13:00 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609839 | 08/16/22 13:39 | █ | EET SAC |

Client Sample ID: GES_PM071122-111

Lab Sample ID: 320-90860-3

Date Collected: 08/04/22 14:37

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 609643 | 08/16/22 04:44 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 609715 | 08/16/22 05:45 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 609988 | 08/16/22 16:51 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0178 g | 610131 | 08/11/22 13:00 | █ | EET SAC |

Client Sample ID: GES_TSP071122-111

Lab Sample ID: 320-90860-4

Date Collected: 08/04/22 14:37

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | 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 | | | 610132 | 08/11/22 13:00 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609839 | 08/16/22 13:39 | █ | EET SAC |

Client Sample ID: GES_PM071122-112

Lab Sample ID: 320-90860-5

Date Collected: 08/09/22 06:51

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 609643 | 08/16/22 04:44 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 609715 | 08/16/22 05:45 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 609988 | 08/16/22 16:55 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0092 g | 610131 | 08/11/22 13:00 | █ | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Client Sample ID: GES_TSP071122-112

Lab Sample ID: 320-90860-6

Date Collected: 08/09/22 06:51

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | 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 | | | 610132 | 08/11/22 13:00 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609839 | 08/16/22 13:39 | █ | EET SAC |

Client Sample ID: GES_PM071122-113

Lab Sample ID: 320-90860-7

Date Collected: 08/09/22 06:39

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 609643 | 08/16/22 04:44 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 609715 | 08/16/22 05:45 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 609988 | 08/16/22 16:58 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0100 g | 610131 | 08/11/22 13:00 | █ | EET SAC |

Client Sample ID: GES_TSP071122-113

Lab Sample ID: 320-90860-8

Date Collected: 08/09/22 06:39

Matrix: Air

Date Received: 08/10/22 09:30

| Prep Type | 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 | | | 610132 | 08/11/22 13:00 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 609839 | 08/16/22 13:39 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

Laboratory: Eurofins 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 | 01-29-23 |

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 |

- 1
- 2
- 3
- 4
- 5
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90860-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 320-90860-1 | GES_PM071122-110 | Air | 08/04/22 14:43 | 08/10/22 09:30 |
| 320-90860-2 | GES_TSP071122-110 | Air | 08/04/22 14:43 | 08/10/22 09:30 |
| 320-90860-3 | GES_PM071122-111 | Air | 08/04/22 14:37 | 08/10/22 09:30 |
| 320-90860-4 | GES_TSP071122-111 | Air | 08/04/22 14:37 | 08/10/22 09:30 |
| 320-90860-5 | GES_PM071122-112 | Air | 08/09/22 06:51 | 08/10/22 09:30 |
| 320-90860-6 | GES_TSP071122-112 | Air | 08/09/22 06:51 | 08/10/22 09:30 |
| 320-90860-7 | GES_PM071122-113 | Air | 08/09/22 06:39 | 08/10/22 09:30 |
| 320-90860-8 | GES_TSP071122-113 | Air | 08/09/22 06:39 | 08/10/22 09:30 |

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- 13
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**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT080922AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | |
|-------------------|---|---|---|
| Comments: | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6020 - Air Pb Mn Cu | Code Matrix | A Air |
| | | Code Container/Preservative | 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None |
| Equipment: | |  320-90860 Chain of Custody | |

| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | | |
|--|-------------------|------|------------|------------|------------|---|---|--|--|--|-------------|-------------|--------------------------------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | GES_PM071122-110 | A | 08/04/2022 | 1443 | [Redacted] | X | X | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 584.14 (M3) |
| 2 | GES_TSP071122-110 | A | 08/04/2022 | 1443 | [Redacted] | | X | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 564.55 (M3) |
| 3 | GES_PM071122-111 | A | 08/04/2022 | 1437 | [Redacted] | X | X | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 587.83 (M3) |
| 4 | GES_TSP071122-111 | A | 08/04/2022 | 1437 | [Redacted] | | X | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 608.07 (M3) |
| 5 | GES_PM071122-112 | A | 08/09/2022 | 0651 | [Redacted] | X | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1720.61 (M3) |
| 6 | GES_TSP071122-112 | A | 08/09/2022 | 0651 | [Redacted] | | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1659.58 (M3) |
| 7 | GES_PM071122-113 | A | 08/09/2022 | 0639 | [Redacted] | X | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1311.50 (M3) |
| 8 | GES_TSP071122-113 | A | 08/09/2022 | 0639 | [Redacted] | | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1286.21 (M3) |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Turnaround Time: NA *N/A* [Redacted] 8-9-22

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|------|--------------------------|---------|------|--|
| [Redacted] | 8-9-22 | 1600 | FEDEX | 8-9-22 | 1600 | Shipping Date: 8/9/2022 / FedEx 7776 0156 4968 |
| [Redacted] | | | [Redacted] | 8-10-22 | 0950 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

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8/17/2022

20.0%



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-90860-1

Login Number: 90860

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|--|--------|------------------------------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | 1463635 |
| 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 | 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 | |
| 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 | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-90971-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

[REDACTED]

[REDACTED]

[REDACTED] by:
8/22/2022 4:15:52 PM

[REDACTED], Project Manager I
(916)374-4414

[REDACTED]

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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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|----------------------------------|----|
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Definitions/Glossary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Job ID: 320-90971-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-90971-1

Comments

No additional comments.

Receipt

The samples were received on 8/12/2022 9:35 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 19.9° C.

Metals

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

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Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Client Sample ID: GES_PM071122-114

Lab Sample ID: 320-90971-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0027 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.012 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0056 | | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 13 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-114

Lab Sample ID: 320-90971-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 23.0507 | | 0.3017 | 0.3017 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-115

Lab Sample ID: 320-90971-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0031 | | 0.00068 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.0076 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0054 | | 0.00068 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 13 | | 0.28 | 0.28 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-115

Lab Sample ID: 320-90971-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 30.2229 | | 0.2862 | 0.2862 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-116

Lab Sample ID: 320-90971-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0032 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.021 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0050 | | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 12 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-116

Lab Sample ID: 320-90971-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 23.1522 | | 0.3007 | 0.3007 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-117

Lab Sample ID: 320-90971-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0029 | | 0.00068 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.013 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0054 | | 0.00068 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 11 | | 0.28 | 0.28 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-117

Lab Sample ID: 320-90971-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 28.0613 | | 0.2858 | 0.2858 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Client Sample ID: GES_PM071122-114

Lab Sample ID: 320-90971-1

Date Collected: 08/10/22 06:41

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0027 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 11:58 | 1 |
| Copper | 0.012 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 11:58 | 1 |
| Manganese | 0.0056 | | 0.00069 | 0.000097 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 11:58 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 13 | | 0.29 | 0.29 | ug/m3 | | | 08/16/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-114

Lab Sample ID: 320-90971-2

Date Collected: 08/10/22 06:41

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 23.0507 | | 0.3017 | 0.3017 | ug/m3 (Air) | | | 08/16/22 15:30 | 1 |

Client Sample ID: GES_PM071122-115

Lab Sample ID: 320-90971-3

Date Collected: 08/10/22 06:33

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0031 | | 0.00068 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:08 | 1 |
| Copper | 0.0076 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:08 | 1 |
| Manganese | 0.0054 | | 0.00068 | 0.000096 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:08 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 13 | | 0.28 | 0.28 | ug/m3 | | | 08/16/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-115

Lab Sample ID: 320-90971-4

Date Collected: 08/10/22 06:33

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 30.2229 | | 0.2862 | 0.2862 | ug/m3 (Air) | | | 08/16/22 15:30 | 1 |

Client Sample ID: GES_PM071122-116

Lab Sample ID: 320-90971-5

Date Collected: 08/11/22 06:38

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0032 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:11 | 1 |
| Copper | 0.021 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:11 | 1 |
| Manganese | 0.0050 | | 0.00069 | 0.000096 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:11 | 1 |

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Client Sample ID: GES_PM071122-116

Lab Sample ID: 320-90971-5

Date Collected: 08/11/22 06:38

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 12 | | 0.29 | 0.29 | ug/m3 | | | 08/16/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-116

Lab Sample ID: 320-90971-6

Date Collected: 08/11/22 06:38

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 23.1522 | | 0.3007 | 0.3007 | ug/m3 (Air) | | | 08/16/22 15:30 | 1 |

Client Sample ID: GES_PM071122-117

Lab Sample ID: 320-90971-7

Date Collected: 08/11/22 06:29

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0029 | | 0.00068 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:15 | 1 |
| Copper | 0.013 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:15 | 1 |
| Manganese | 0.0054 | | 0.00068 | 0.000096 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 12:15 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 11 | | 0.28 | 0.28 | ug/m3 | | | 08/16/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-117

Lab Sample ID: 320-90971-8

Date Collected: 08/11/22 06:29

Matrix: Air

Date Received: 08/12/22 09:35

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 28.0613 | | 0.2858 | 0.2858 | ug/m3 (Air) | | | 08/16/22 15:30 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-610602/1-B
Matrix: Air
Analysis Batch: 610718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 610617

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 11:49 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 11:49 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 08/19/22 06:30 | 08/19/22 11:49 | 1 |

Lab Sample ID: LCS 320-610602/2-B
Matrix: Air
Analysis Batch: 610718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 610617

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.251 | | ug/m3 (Air) | | 105 | 86 - 111 |
| Copper | 0.240 | 0.232 | | ug/m3 (Air) | | 97 | 85 - 110 |
| Manganese | 0.240 | 0.238 | | ug/m3 (Air) | | 99 | 88 - 110 |

Lab Sample ID: LCSD 320-610602/3-B
Matrix: Air
Analysis Batch: 610718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 610617

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Copper | 0.240 | 0.246 | | ug/m3 (Air) | | 103 | 85 - 110 | 6 | 15 |
| Manganese | 0.240 | 0.254 | | ug/m3 (Air) | | 106 | 88 - 110 | 7 | 15 |

Lab Sample ID: LCSD 320-610602/3-B
Matrix: Air
Analysis Batch: 611125

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 610617

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.266 | | ug/m3 (Air) | | 111 | 86 - 111 | 6 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Metals

Pre Prep Batch: 610602

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-90971-1 | GES_PM071122-114 | Total/NA | Air | Filter to Air | |
| 320-90971-3 | GES_PM071122-115 | Total/NA | Air | Filter to Air | |
| 320-90971-5 | GES_PM071122-116 | Total/NA | Air | Filter to Air | |
| 320-90971-7 | GES_PM071122-117 | Total/NA | Air | Filter to Air | |
| MB 320-610602/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-610602/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-610602/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 610617

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90971-1 | GES_PM071122-114 | Total/NA | Air | 3050B | 610602 |
| 320-90971-3 | GES_PM071122-115 | Total/NA | Air | 3050B | 610602 |
| 320-90971-5 | GES_PM071122-116 | Total/NA | Air | 3050B | 610602 |
| 320-90971-7 | GES_PM071122-117 | Total/NA | Air | 3050B | 610602 |
| MB 320-610602/1-B | Method Blank | Total/NA | Air | 3050B | 610602 |
| LCS 320-610602/2-B | Lab Control Sample | Total/NA | Air | 3050B | 610602 |
| LCSD 320-610602/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 610602 |

Analysis Batch: 610718

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-90971-1 | GES_PM071122-114 | Total/NA | Air | 6020 | 610617 |
| 320-90971-3 | GES_PM071122-115 | Total/NA | Air | 6020 | 610617 |
| 320-90971-5 | GES_PM071122-116 | Total/NA | Air | 6020 | 610617 |
| 320-90971-7 | GES_PM071122-117 | Total/NA | Air | 6020 | 610617 |
| MB 320-610602/1-B | Method Blank | Total/NA | Air | 6020 | 610617 |
| LCS 320-610602/2-B | Lab Control Sample | Total/NA | Air | 6020 | 610617 |
| LCSD 320-610602/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 610617 |

Analysis Batch: 611125

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 320-610602/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 610617 |

General Chemistry

Pre Prep Batch: 611205

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90971-2 | GES_TSP071122-114 | Total/NA | Air | Filter to Air | |
| 320-90971-4 | GES_TSP071122-115 | Total/NA | Air | Filter to Air | |
| 320-90971-6 | GES_TSP071122-116 | Total/NA | Air | Filter to Air | |
| 320-90971-8 | GES_TSP071122-117 | Total/NA | Air | Filter to Air | |

Analysis Batch: 611215

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-90971-1 | GES_PM071122-114 | Total/NA | Air | PM10 | |
| 320-90971-3 | GES_PM071122-115 | Total/NA | Air | PM10 | |
| 320-90971-5 | GES_PM071122-116 | Total/NA | Air | PM10 | |
| 320-90971-7 | GES_PM071122-117 | Total/NA | Air | PM10 | |

Analysis Batch: 611221

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90971-2 | GES_TSP071122-114 | Total/NA | Air | 40CFR50 App B | 611205 |

Eurofins Sacramento

QC Association Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

General Chemistry (Continued)

Analysis Batch: 611221 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-90971-4 | GES_TSP071122-115 | Total/NA | Air | 40CFR50 App B | 611205 |
| 320-90971-6 | GES_TSP071122-116 | Total/NA | Air | 40CFR50 App B | 611205 |
| 320-90971-8 | GES_TSP071122-117 | Total/NA | Air | 40CFR50 App B | 611205 |

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Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Client Sample ID: GES_PM071122-114

Lab Sample ID: 320-90971-1

Date Collected: 08/10/22 06:41

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 610602 | 08/19/22 05:11 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 610617 | 08/19/22 06:30 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 610718 | 08/19/22 11:58 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0220 g | 611215 | 08/16/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP071122-114

Lab Sample ID: 320-90971-2

Date Collected: 08/10/22 06:41

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | 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 | | | 611221 | 08/16/22 15:30 | | |
| Total/NA | Pre Prep | Filter to Air | | | | | 611205 | 08/22/22 14:10 | | EET SAC |

Client Sample ID: GES_PM071122-115

Lab Sample ID: 320-90971-3

Date Collected: 08/10/22 06:33

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 610602 | 08/19/22 05:11 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 610617 | 08/19/22 06:30 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 610718 | 08/19/22 12:08 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0221 g | 611215 | 08/16/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP071122-115

Lab Sample ID: 320-90971-4

Date Collected: 08/10/22 06:33

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | 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 | | | 611221 | 08/16/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 611205 | 08/22/22 14:10 | | EET SAC |

Client Sample ID: GES_PM071122-116

Lab Sample ID: 320-90971-5

Date Collected: 08/11/22 06:38

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 610602 | 08/19/22 05:11 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 610617 | 08/19/22 06:30 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 610718 | 08/19/22 12:11 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0211 g | 611215 | 08/16/22 15:30 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Client Sample ID: GES_TSP071122-116

Lab Sample ID: 320-90971-6

Date Collected: 08/11/22 06:38

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | 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 | | | 611221 | 08/16/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 611205 | 08/22/22 14:10 | | EET SAC |

Client Sample ID: GES_PM071122-117

Lab Sample ID: 320-90971-7

Date Collected: 08/11/22 06:29

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 610602 | 08/19/22 05:11 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 610617 | 08/19/22 06:30 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 610718 | 08/19/22 12:15 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0196 g | 611215 | 08/16/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP071122-117

Lab Sample ID: 320-90971-8

Date Collected: 08/11/22 06:29

Matrix: Air

Date Received: 08/12/22 09:35

| Prep Type | 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 | | | 611221 | 08/16/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 611205 | 08/22/22 14:10 | | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

Laboratory: Eurofins 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 | 01-29-23 |

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-90971-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 320-90971-1 | GES_PM071122-114 | Air | 08/10/22 06:41 | 08/12/22 09:35 |
| 320-90971-2 | GES_TSP071122-114 | Air | 08/10/22 06:41 | 08/12/22 09:35 |
| 320-90971-3 | GES_PM071122-115 | Air | 08/10/22 06:33 | 08/12/22 09:35 |
| 320-90971-4 | GES_TSP071122-115 | Air | 08/10/22 06:33 | 08/12/22 09:35 |
| 320-90971-5 | GES_PM071122-116 | Air | 08/11/22 06:38 | 08/12/22 09:35 |
| 320-90971-6 | GES_TSP071122-116 | Air | 08/11/22 06:38 | 08/12/22 09:35 |
| 320-90971-7 | GES_PM071122-117 | Air | 08/11/22 06:29 | 08/12/22 09:35 |
| 320-90971-8 | GES_TSP071122-117 | Air | 08/11/22 06:29 | 08/12/22 09:35 |

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**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
 2300 Clayton Road, Suite 1050, Concord, CA 94520
 bwomack@ges-ais.com

COC # KT081122AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | | |
|-------------------|---|--|------------------------------------|---|
| Comments: | Analytical Test Method | CAAIR - Air PM10 N0500 - Air TSP SW6020 - Air Pb Mn Cu | Code Matrix | A Air |
| | | | Code Container/Preservative | 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None |
| Equipment: |  320-90971 Chain of Custody | | | |

| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | |
|--|-------------------|------|------------|------------|----|---|---|--|--|-------------|-------------|--------------------------------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | GES_PM071122-114 | A | 08/10/2022 | 0641 | KT | X | X | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1736.49 (M3) |
| 2 | GES_TSP071122-114 | A | 08/10/2022 | 0641 | KT | | X | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1657.22 (M3) |
| 3 | GES_PM071122-115 | A | 08/10/2022 | 0633 | KT | X | X | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1759.22 (M3) |
| 4 | GES_TSP071122-115 | A | 08/10/2022 | 0633 | KT | | X | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1747.02 (M3) |
| 5 | GES_PM071122-116 | A | 08/11/2022 | 0638 | KT | X | X | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1748.36 (M3) |
| 6 | GES_TSP071122-116 | A | 08/11/2022 | 0638 | KT | | X | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1662.91 (M3) |
| 7 | GES_PM071122-117 | A | 08/11/2022 | 0629 | KT | X | X | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1754.52 (M3) |
| 8 | GES_TSP071122-117 | A | 08/11/2022 | 0629 | KT | | X | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1749.74 (M3) |
| 9 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|----------|------|--|
| [Redacted] | 8/11/22 | 1600 | FEDEX | 08/11/22 | 1600 | Shipping Date: 8/11/2022 / FedEx 7776 2530 8970 |
| | | | [Redacted] | 8/11/22 | 955 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

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8/22/2022



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-90971-1

Login Number: 90971

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-91177-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

████████████████████

████████████████████

████████████████████ by:
8/26/2022 6:17:51 PM

████████████████████, Project Manager I
(916)374-4414

████████████████████

LINKS

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██████ 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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Job ID: 320-91177-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-91177-1

Comments

No additional comments.

Receipt

The samples were received on 8/19/2022 9:30 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 20.6° C.

Metals

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

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Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Client Sample ID: GES_PM071122-122

Lab Sample ID: 320-91177-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0027 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.026 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.010 | | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 21 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-122

Lab Sample ID: 320-91177-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 44.5135 | | 0.3024 | 0.3024 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-123

Lab Sample ID: 320-91177-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0015 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.014 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0056 | | 0.00069 | 0.000096 | 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: GES_TSP071122-123

Lab Sample ID: 320-91177-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 32.2818 | | 0.2857 | 0.2857 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-124

Lab Sample ID: 320-91177-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0028 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.019 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0078 | | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 12 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-124

Lab Sample ID: 320-91177-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 31.9761 | | 0.3022 | 0.3022 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-125

Lab Sample ID: 320-91177-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0013 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.0068 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0045 | | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 5.8 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-125

Lab Sample ID: 320-91177-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 22.8287 | | 0.2854 | 0.2854 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Client Sample ID: GES_PM071122-122

Lab Sample ID: 320-91177-1

Date Collected: 08/17/22 06:39

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0027 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:41 | 1 |
| Copper | 0.026 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:41 | 1 |
| Manganese | 0.010 | | 0.00069 | 0.000096 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 21 | | 0.29 | 0.29 | ug/m3 | | | 08/23/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-122

Lab Sample ID: 320-91177-2

Date Collected: 08/17/22 06:39

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 44.5135 | | 0.3024 | 0.3024 | ug/m3 (Air) | | | 08/23/22 13:00 | 1 |

Client Sample ID: GES_PM071122-123

Lab Sample ID: 320-91177-3

Date Collected: 08/17/22 06:31

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0015 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:50 | 1 |
| Copper | 0.014 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:50 | 1 |
| Manganese | 0.0056 | | 0.00069 | 0.000096 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:50 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 18 | | 0.29 | 0.29 | ug/m3 | | | 08/23/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-123

Lab Sample ID: 320-91177-4

Date Collected: 08/17/22 06:31

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 32.2818 | | 0.2857 | 0.2857 | ug/m3 (Air) | | | 08/23/22 13:00 | 1 |

Client Sample ID: GES_PM071122-124

Lab Sample ID: 320-91177-5

Date Collected: 08/18/22 06:40

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0028 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:54 | 1 |
| Copper | 0.019 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:54 | 1 |
| Manganese | 0.0078 | | 0.00069 | 0.000097 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:54 | 1 |

Euromins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Client Sample ID: GES_PM071122-124

Lab Sample ID: 320-91177-5

Date Collected: 08/18/22 06:40

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 12 | | 0.29 | 0.29 | ug/m3 | | | 08/23/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-124

Lab Sample ID: 320-91177-6

Date Collected: 08/18/22 06:40

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 31.9761 | | 0.3022 | 0.3022 | ug/m3 (Air) | | | 08/23/22 13:00 | 1 |

Client Sample ID: GES_PM071122-125

Lab Sample ID: 320-91177-7

Date Collected: 08/18/22 06:32

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0013 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:57 | 1 |
| Copper | 0.0068 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:57 | 1 |
| Manganese | 0.0045 | | 0.00069 | 0.000096 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:57 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 5.8 | | 0.29 | 0.29 | ug/m3 | | | 08/23/22 13:00 | 1 |

Client Sample ID: GES_TSP071122-125

Lab Sample ID: 320-91177-8

Date Collected: 08/18/22 06:32

Matrix: Air

Date Received: 08/19/22 09:30

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 22.8287 | | 0.2854 | 0.2854 | ug/m3 (Air) | | | 08/23/22 13:00 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-612252/1-B
Matrix: Air
Analysis Batch: 612487

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 612281

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:31 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:31 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 08/26/22 06:00 | 08/26/22 10:31 | 1 |

Lab Sample ID: LCS 320-612252/2-B
Matrix: Air
Analysis Batch: 612487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 612281

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.246 | | ug/m3 (Air) | | 103 | 86 - 111 |
| Copper | 0.240 | 0.240 | | ug/m3 (Air) | | 100 | 85 - 110 |
| Manganese | 0.240 | 0.250 | | ug/m3 (Air) | | 104 | 88 - 110 |

Lab Sample ID: LCSD 320-612252/3-B
Matrix: Air
Analysis Batch: 612487

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 612281

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.242 | | ug/m3 (Air) | | 101 | 86 - 111 | 2 | 15 |
| Copper | 0.240 | 0.243 | | ug/m3 (Air) | | 101 | 85 - 110 | 1 | 15 |
| Manganese | 0.240 | 0.252 | | ug/m3 (Air) | | 105 | 88 - 110 | 1 | 15 |

QC Association Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Metals

Pre Prep Batch: 612252

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-91177-1 | GES_PM071122-122 | Total/NA | Air | Filter to Air | |
| 320-91177-3 | GES_PM071122-123 | Total/NA | Air | Filter to Air | |
| 320-91177-5 | GES_PM071122-124 | Total/NA | Air | Filter to Air | |
| 320-91177-7 | GES_PM071122-125 | Total/NA | Air | Filter to Air | |
| MB 320-612252/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-612252/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-612252/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 612281

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91177-1 | GES_PM071122-122 | Total/NA | Air | 3050B | 612252 |
| 320-91177-3 | GES_PM071122-123 | Total/NA | Air | 3050B | 612252 |
| 320-91177-5 | GES_PM071122-124 | Total/NA | Air | 3050B | 612252 |
| 320-91177-7 | GES_PM071122-125 | Total/NA | Air | 3050B | 612252 |
| MB 320-612252/1-B | Method Blank | Total/NA | Air | 3050B | 612252 |
| LCS 320-612252/2-B | Lab Control Sample | Total/NA | Air | 3050B | 612252 |
| LCSD 320-612252/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 612252 |

Analysis Batch: 612487

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91177-1 | GES_PM071122-122 | Total/NA | Air | 6020 | 612281 |
| 320-91177-3 | GES_PM071122-123 | Total/NA | Air | 6020 | 612281 |
| 320-91177-5 | GES_PM071122-124 | Total/NA | Air | 6020 | 612281 |
| 320-91177-7 | GES_PM071122-125 | Total/NA | Air | 6020 | 612281 |
| MB 320-612252/1-B | Method Blank | Total/NA | Air | 6020 | 612281 |
| LCS 320-612252/2-B | Lab Control Sample | Total/NA | Air | 6020 | 612281 |
| LCSD 320-612252/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 612281 |

General Chemistry

Pre Prep Batch: 612503

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-91177-2 | GES_TSP071122-122 | Total/NA | Air | Filter to Air | |
| 320-91177-4 | GES_TSP071122-123 | Total/NA | Air | Filter to Air | |
| 320-91177-6 | GES_TSP071122-124 | Total/NA | Air | Filter to Air | |
| 320-91177-8 | GES_TSP071122-125 | Total/NA | Air | Filter to Air | |

Analysis Batch: 612505

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-91177-1 | GES_PM071122-122 | Total/NA | Air | PM10 | |
| 320-91177-3 | GES_PM071122-123 | Total/NA | Air | PM10 | |
| 320-91177-5 | GES_PM071122-124 | Total/NA | Air | PM10 | |
| 320-91177-7 | GES_PM071122-125 | Total/NA | Air | PM10 | |

Analysis Batch: 612523

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-91177-2 | GES_TSP071122-122 | Total/NA | Air | 40CFR50 App B | 612503 |
| 320-91177-4 | GES_TSP071122-123 | Total/NA | Air | 40CFR50 App B | 612503 |
| 320-91177-6 | GES_TSP071122-124 | Total/NA | Air | 40CFR50 App B | 612503 |
| 320-91177-8 | GES_TSP071122-125 | Total/NA | Air | 40CFR50 App B | 612503 |

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Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Client Sample ID: GES_PM071122-122

Lab Sample ID: 320-91177-1

Date Collected: 08/17/22 06:39

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 612252 | 08/26/22 05:16 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 612281 | 08/26/22 06:00 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 612487 | 08/26/22 10:41 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0370 g | 612505 | 08/23/22 13:00 | | EET SAC |

Client Sample ID: GES_TSP071122-122

Lab Sample ID: 320-91177-2

Date Collected: 08/17/22 06:39

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | 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 | | | 612523 | 08/23/22 13:00 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 612503 | 08/26/22 16:11 | | EET SAC |

Client Sample ID: GES_PM071122-123

Lab Sample ID: 320-91177-3

Date Collected: 08/17/22 06:31

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 612252 | 08/26/22 05:16 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 612281 | 08/26/22 06:00 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 612487 | 08/26/22 10:50 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0308 g | 612505 | 08/23/22 13:00 | | EET SAC |

Client Sample ID: GES_TSP071122-123

Lab Sample ID: 320-91177-4

Date Collected: 08/17/22 06:31

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | 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 | | | 612523 | 08/23/22 13:00 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 612503 | 08/26/22 16:11 | | EET SAC |

Client Sample ID: GES_PM071122-124

Lab Sample ID: 320-91177-5

Date Collected: 08/18/22 06:40

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 612252 | 08/26/22 05:16 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 612281 | 08/26/22 06:00 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 612487 | 08/26/22 10:54 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0216 g | 612505 | 08/23/22 13:00 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Client Sample ID: GES_TSP071122-124

Lab Sample ID: 320-91177-6

Date Collected: 08/18/22 06:40

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | 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 | | | 612523 | 08/23/22 13:00 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 612503 | 08/26/22 16:11 | █ | EET SAC |

Client Sample ID: GES_PM071122-125

Lab Sample ID: 320-91177-7

Date Collected: 08/18/22 06:32

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 612252 | 08/26/22 05:16 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 612281 | 08/26/22 06:00 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 612487 | 08/26/22 10:57 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0101 g | 612505 | 08/23/22 13:00 | █ | EET SAC |

Client Sample ID: GES_TSP071122-125

Lab Sample ID: 320-91177-8

Date Collected: 08/18/22 06:32

Matrix: Air

Date Received: 08/19/22 09:30

| Prep Type | 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 | | | 612523 | 08/23/22 13:00 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 612503 | 08/26/22 16:11 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

Laboratory: Eurofins 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 | 01-29-23 |

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91177-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 320-91177-1 | GES_PM071122-122 | Air | 08/17/22 06:39 | 08/19/22 09:30 |
| 320-91177-2 | GES_TSP071122-122 | Air | 08/17/22 06:39 | 08/19/22 09:30 |
| 320-91177-3 | GES_PM071122-123 | Air | 08/17/22 06:31 | 08/19/22 09:30 |
| 320-91177-4 | GES_TSP071122-123 | Air | 08/17/22 06:31 | 08/19/22 09:30 |
| 320-91177-5 | GES_PM071122-124 | Air | 08/18/22 06:40 | 08/19/22 09:30 |
| 320-91177-6 | GES_TSP071122-124 | Air | 08/18/22 06:40 | 08/19/22 09:30 |
| 320-91177-7 | GES_PM071122-125 | Air | 08/18/22 06:32 | 08/19/22 09:30 |
| 320-91177-8 | GES_TSP071122-125 | Air | 08/18/22 06:32 | 08/19/22 09:30 |

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**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
 2300 Clayton Road, Suite 1050, Concord, CA 94520
 bwomack@ges-ais.com

COC # KT081822AIRE



| | | |
|--|--|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | PC [REDACTED] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | |
|---|---|------------------------------------|--|
| Comments:  320-91177 Chain of Custody | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6020 - Air Pb Mn Cu | Code Matrix | |
| | | A Air | |
| Equipment: | | Code Container/Preservative | |
| | | 1 1x 250-mL Plastic, 4 Degrees C | |
| | | 1 1x Envelope, None | |

| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | | |
|--|-------------------|------|------------|------------|----|---|---|--|--|--|-------------|-------------|--------------------------------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | GES_PM071122-122 | A | 08/17/2022 | 0639 | KT | X | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1746.12 (M3) |
| 2 | GES_TSP071122-122 | A | 08/17/2022 | 0639 | KT | | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1653.43 (M3) |
| 3 | GES_PM071122-123 | A | 08/17/2022 | 0631 | KT | X | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1751.14 (M3) |
| 4 | GES_TSP071122-123 | A | 08/17/2022 | 0631 | KT | | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1750.21 (M3) |
| 5 | GES_PM071122-124 | A | 08/18/2022 | 0640 | KT | X | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1739.78 (M3) |
| 6 | GES_TSP071122-124 | A | 08/18/2022 | 0640 | KT | | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1654.36 (M3) |
| 7 | GES_PM071122-125 | A | 08/18/2022 | 0632 | KT | X | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1751.67 (M3) |
| 8 | GES_TSP071122-125 | A | 08/18/2022 | 0632 | KT | | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1752.18 (M3) |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|----------|------|--|
| [REDACTED] | 8/18/22 | 1600 | FEDEX | 08/18/22 | 1600 | Shipping Date: 8/18/2022/ FedEx 7776 8682 2682 |
| | | | [REDACTED] | 8/19/22 | 0730 | |
| | | | | | | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

GES.Navy_COC_Field
August 18, 2022

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8/26/2022



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-91177-1

Login Number: 91177

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-91091-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

[REDACTED]

Authorized for release by:
8/24/2022 6:01:46 PM

[REDACTED] Project Manager I
[REDACTED]
[REDACTED]

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Job ID: 320-91091-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-91091-1

Comments

No additional comments.

Receipt

The samples were received on 8/17/2022 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 19.7° C.

Metals

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

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Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Client Sample ID: GES_PM071122-119

Lab Sample ID: 320-91091-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0026 | | 0.0019 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.021 | | 0.0038 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0064 | | 0.0019 | 0.00026 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 15 | | 0.79 | 0.79 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-118

Lab Sample ID: 320-91091-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 22.7020 | | 0.8285 | 0.8285 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-118

Lab Sample ID: 320-91091-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0027 | | 0.0019 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.020 | | 0.0038 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0066 | | 0.0019 | 0.00026 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 11 | | 0.78 | 0.78 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-119

Lab Sample ID: 320-91091-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 14.9689 | | 0.7878 | 0.7878 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-120

Lab Sample ID: 320-91091-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0029 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.018 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0089 | | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 22 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-120

Lab Sample ID: 320-91091-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 52.9624 | | 0.3033 | 0.3033 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GES_PM071122-121

Lab Sample ID: 320-91091-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0015 | | 0.00068 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.011 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0055 | | 0.00068 | 0.000095 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 25 | | 0.28 | 0.28 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-121

Lab Sample ID: 320-91091-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 49.7001 | | 0.2856 | 0.2856 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Client Sample ID: GES_PM071122-119

Lab Sample ID: 320-91091-1

Date Collected: 08/11/22 15:22

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0026 | | 0.0019 | 0.00028 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 17:52 | 1 |
| Copper | 0.021 | | 0.0038 | 0.00028 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 17:52 | 1 |
| Manganese | 0.0064 | | 0.0019 | 0.00026 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 17:52 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 15 | | 0.79 | 0.79 | ug/m3 | | | 08/19/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-118

Lab Sample ID: 320-91091-2

Date Collected: 08/11/22 15:22

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 22.7020 | | 0.8285 | 0.8285 | ug/m3 (Air) | | | 08/19/22 15:30 | 1 |

Client Sample ID: GES_PM071122-118

Lab Sample ID: 320-91091-3

Date Collected: 08/11/22 15:14

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0027 | | 0.0019 | 0.00028 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:01 | 1 |
| Copper | 0.020 | | 0.0038 | 0.00028 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:01 | 1 |
| Manganese | 0.0066 | | 0.0019 | 0.00026 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:01 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 11 | | 0.78 | 0.78 | ug/m3 | | | 08/19/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-119

Lab Sample ID: 320-91091-4

Date Collected: 08/11/22 15:14

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 14.9689 | | 0.7878 | 0.7878 | ug/m3 (Air) | | | 08/19/22 15:30 | 1 |

Client Sample ID: GES_PM071122-120

Lab Sample ID: 320-91091-5

Date Collected: 08/16/22 06:44

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0029 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:04 | 1 |
| Copper | 0.018 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:04 | 1 |
| Manganese | 0.0089 | | 0.00069 | 0.000097 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:04 | 1 |

Euromins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Client Sample ID: GES_PM071122-120

Lab Sample ID: 320-91091-5

Date Collected: 08/16/22 06:44

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 22 | | 0.29 | 0.29 | ug/m3 | | | 08/19/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-120

Lab Sample ID: 320-91091-6

Date Collected: 08/16/22 06:44

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 52.9624 | | 0.3033 | 0.3033 | ug/m3 (Air) | | | 08/19/22 15:30 | 1 |

Client Sample ID: GES_PM071122-121

Lab Sample ID: 320-91091-7

Date Collected: 08/16/22 06:37

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0015 | | 0.00068 | 0.00010 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:08 | 1 |
| Copper | 0.011 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:08 | 1 |
| Manganese | 0.0055 | | 0.00068 | 0.000095 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 18:08 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 25 | | 0.28 | 0.28 | ug/m3 | | | 08/19/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-121

Lab Sample ID: 320-91091-8

Date Collected: 08/16/22 06:37

Matrix: Air

Date Received: 08/17/22 09:20

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 49.7001 | | 0.2856 | 0.2856 | ug/m3 (Air) | | | 08/19/22 15:30 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-611395/1-B
Matrix: Air
Analysis Batch: 611707

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 611434

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 17:42 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 17:42 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 08/23/22 09:00 | 08/23/22 17:42 | 1 |

Lab Sample ID: LCS 320-611395/2-B
Matrix: Air
Analysis Batch: 611707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 611434

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.238 | | ug/m3 (Air) | | 99 | 86 - 111 |
| Copper | 0.240 | 0.239 | | ug/m3 (Air) | | 99 | 85 - 110 |
| Manganese | 0.240 | 0.246 | | ug/m3 (Air) | | 102 | 88 - 110 |

Lab Sample ID: LCSD 320-611395/3-B
Matrix: Air
Analysis Batch: 611707

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 611434

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.229 | | ug/m3 (Air) | | 96 | 86 - 111 | 4 | 15 |
| Copper | 0.240 | 0.240 | | ug/m3 (Air) | | 100 | 85 - 110 | 1 | 15 |
| Manganese | 0.240 | 0.251 | | ug/m3 (Air) | | 105 | 88 - 110 | 2 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Metals

Pre Prep Batch: 611395

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-91091-1 | GES_PM071122-119 | Total/NA | Air | Filter to Air | |
| 320-91091-3 | GES_PM071122-118 | Total/NA | Air | Filter to Air | |
| 320-91091-5 | GES_PM071122-120 | Total/NA | Air | Filter to Air | |
| 320-91091-7 | GES_PM071122-121 | Total/NA | Air | Filter to Air | |
| MB 320-611395/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-611395/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-611395/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 611434

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91091-1 | GES_PM071122-119 | Total/NA | Air | 3050B | 611395 |
| 320-91091-3 | GES_PM071122-118 | Total/NA | Air | 3050B | 611395 |
| 320-91091-5 | GES_PM071122-120 | Total/NA | Air | 3050B | 611395 |
| 320-91091-7 | GES_PM071122-121 | Total/NA | Air | 3050B | 611395 |
| MB 320-611395/1-B | Method Blank | Total/NA | Air | 3050B | 611395 |
| LCS 320-611395/2-B | Lab Control Sample | Total/NA | Air | 3050B | 611395 |
| LCSD 320-611395/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 611395 |

Analysis Batch: 611707

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91091-1 | GES_PM071122-119 | Total/NA | Air | 6020 | 611434 |
| 320-91091-3 | GES_PM071122-118 | Total/NA | Air | 6020 | 611434 |
| 320-91091-5 | GES_PM071122-120 | Total/NA | Air | 6020 | 611434 |
| 320-91091-7 | GES_PM071122-121 | Total/NA | Air | 6020 | 611434 |
| MB 320-611395/1-B | Method Blank | Total/NA | Air | 6020 | 611434 |
| LCS 320-611395/2-B | Lab Control Sample | Total/NA | Air | 6020 | 611434 |
| LCSD 320-611395/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 611434 |

General Chemistry

Pre Prep Batch: 611783

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-91091-2 | GES_TSP071122-118 | Total/NA | Air | Filter to Air | |
| 320-91091-4 | GES_TSP071122-119 | Total/NA | Air | Filter to Air | |
| 320-91091-6 | GES_TSP071122-120 | Total/NA | Air | Filter to Air | |
| 320-91091-8 | GES_TSP071122-121 | Total/NA | Air | Filter to Air | |

Analysis Batch: 611803

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-91091-1 | GES_PM071122-119 | Total/NA | Air | PM10 | |
| 320-91091-3 | GES_PM071122-118 | Total/NA | Air | PM10 | |
| 320-91091-5 | GES_PM071122-120 | Total/NA | Air | PM10 | |
| 320-91091-7 | GES_PM071122-121 | Total/NA | Air | PM10 | |

Analysis Batch: 611804

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-91091-2 | GES_TSP071122-118 | Total/NA | Air | 40CFR50 App B | 611783 |
| 320-91091-4 | GES_TSP071122-119 | Total/NA | Air | 40CFR50 App B | 611783 |
| 320-91091-6 | GES_TSP071122-120 | Total/NA | Air | 40CFR50 App B | 611783 |
| 320-91091-8 | GES_TSP071122-121 | Total/NA | Air | 40CFR50 App B | 611783 |

Eurofins Sacramento

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Client Sample ID: GES_PM071122-119

Lab Sample ID: 320-91091-1

Date Collected: 08/11/22 15:22

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 611395 | 08/23/22 07:57 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 611434 | 08/23/22 09:00 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 611707 | 08/23/22 17:52 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0096 g | 611803 | 08/19/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP071122-118

Lab Sample ID: 320-91091-2

Date Collected: 08/11/22 15:22

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | 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 | | | 611804 | 08/19/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 611783 | 08/24/22 13:04 | | EET SAC |

Client Sample ID: GES_PM071122-118

Lab Sample ID: 320-91091-3

Date Collected: 08/11/22 15:14

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 611395 | 08/23/22 07:57 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 611434 | 08/23/22 09:00 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 611707 | 08/23/22 18:01 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0070 g | 611803 | 08/19/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP071122-119

Lab Sample ID: 320-91091-4

Date Collected: 08/11/22 15:14

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | 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 | | | 611804 | 08/19/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 611783 | 08/24/22 13:04 | | EET SAC |

Client Sample ID: GES_PM071122-120

Lab Sample ID: 320-91091-5

Date Collected: 08/16/22 06:44

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 611395 | 08/23/22 07:57 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 611434 | 08/23/22 09:00 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 611707 | 08/23/22 18:04 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0385 g | 611803 | 08/19/22 15:30 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Client Sample ID: GES_TSP071122-120

Lab Sample ID: 320-91091-6

Date Collected: 08/16/22 06:44

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | 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 | | | 611804 | 08/19/22 15:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 611783 | 08/24/22 13:04 | █ | EET SAC |

Client Sample ID: GES_PM071122-121

Lab Sample ID: 320-91091-7

Date Collected: 08/16/22 06:37

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 611395 | 08/23/22 07:57 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 611434 | 08/23/22 09:00 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 611707 | 08/23/22 18:08 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0437 g | 611803 | 08/19/22 15:30 | █ | EET SAC |

Client Sample ID: GES_TSP071122-121

Lab Sample ID: 320-91091-8

Date Collected: 08/16/22 06:37

Matrix: Air

Date Received: 08/17/22 09:20

| Prep Type | 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 | | | 611804 | 08/19/22 15:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 611783 | 08/24/22 13:04 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

Laboratory: Eurofins 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 | 01-29-23 |

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 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91091-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 320-91091-1 | GES_PM071122-119 | Air | 08/11/22 15:22 | 08/17/22 09:20 |
| 320-91091-2 | GES_TSP071122-118 | Air | 08/11/22 15:22 | 08/17/22 09:20 |
| 320-91091-3 | GES_PM071122-118 | Air | 08/11/22 15:14 | 08/17/22 09:20 |
| 320-91091-4 | GES_TSP071122-119 | Air | 08/11/22 15:14 | 08/17/22 09:20 |
| 320-91091-5 | GES_PM071122-120 | Air | 08/16/22 06:44 | 08/17/22 09:20 |
| 320-91091-6 | GES_TSP071122-120 | Air | 08/16/22 06:44 | 08/17/22 09:20 |
| 320-91091-7 | GES_PM071122-121 | Air | 08/16/22 06:37 | 08/17/22 09:20 |
| 320-91091-8 | GES_TSP071122-121 | Air | 08/16/22 06:37 | 08/17/22 09:20 |

- 1
- 2
- 3
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- 5
- 6
- 7
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- 10
- 11
- 12
- 13
- 14

**CHAIN-OF-CUSTODY
RECORD**


Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT081622AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | | |
|-------------------|-------------------------------|--|------------------------------------|--|
| Comments: | Analytical Test Method | CAAIR - Air PM10 N0500 - Air TSP SWG020 - Air Pb Mn Cu | Code Matrix | |
| | | | A Air | |
| Equipment: | | | Code Container/Preservative | |
| | | | 1 1x 250-mL Plastic, 4 Degrees C | |
| | | | 1 1x Envelope, None | |


 320-91091 Chain of Custody

| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | | |
|--|-------------------|------|------------|------------|---|---|--|--|--|--|-------------|-------------|--------------------------------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | GES_PM071122-119 | A | 08/11/2022 | 1522 | X | X | | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 634.23 (M3) |
| 2 | GES_TSP071122-118 | A | 08/11/2022 | 1522 | | X | | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 603.47 (M3) |
| 3 | GES_PM071122-118 | A | 08/11/2022 | 1514 | X | X | | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 638.21 (M3) |
| 4 | GES_TSP071122-119 | A | 08/11/2022 | 1514 | | X | | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 634.65 (M3) |
| 5 | GES_PM071122-120 | A | 08/16/2022 | 0644 | X | X | | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1737.10 (M3) |
| 6 | GES_TSP071122-120 | A | 08/16/2022 | 0644 | | X | | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1648.34 (M3) |
| 7 | GES_PM071122-121 | A | 08/16/2022 | 0637 | X | X | | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1776.41 (M3) |
| 8 | GES_TSP071122-121 | A | 08/16/2022 | 0637 | | X | | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1750.50 (M3) |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|--|
| | 8/16/22 | 1600 | FEDEX | 8/16/22 | 1600 | Shipping Date: 8/16/2022 / FedEx 7776 6589 4250 |
| | | | | 8-17-22 | 0920 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

GES.Navy_COC_Field
August 16, 2022

19.7°C



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-91091-1

Login Number: 91091

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-91322-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

[REDACTED]

Authorized for release by:
8/31/2022 4:32:57 PM

[REDACTED] Project Manager I
[REDACTED]
[REDACTED]

LINKS

Review your project
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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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Qualifiers

Metals

| Qualifier | Qualifier Description |
|-----------|--|
| J | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Job ID: 320-91322-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-91322-1

Comments

No additional comments.

Receipt

The samples were received on 8/24/2022 9:55 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 20.0° C.

Metals

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Client Sample ID: GES_PM071122-126

Lab Sample ID: 320-91322-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0038 | | 0.0020 | 0.00030 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.024 | | 0.0040 | 0.00030 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0097 | | 0.0020 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 10 | | 0.84 | 0.84 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GES_TSP071122-126

Lab Sample ID: 320-91322-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 29.6889 | | 0.8889 | 0.8889 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-127

Lab Sample ID: 320-91322-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0018 | J | 0.0020 | 0.00030 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.017 | | 0.0040 | 0.00030 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0057 | | 0.0020 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 7.3 | | 0.83 | 0.83 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-127

Lab Sample ID: 320-91322-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 29.9282 | | 0.8313 | 0.8313 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-128

Lab Sample ID: 320-91322-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0067 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.047 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.015 | | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 34 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-128

Lab Sample ID: 320-91322-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 61.4023 | | 0.3043 | 0.3043 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-129

Lab Sample ID: 320-91322-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.011 | | 0.00067 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.026 | | 0.0013 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.016 | | 0.00067 | 0.000094 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 26 | | 0.28 | 0.28 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-129

Lab Sample ID: 320-91322-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 74.5433 | | 0.2856 | 0.2856 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Client Sample ID: GES_PM071122-126

Lab Sample ID: 320-91322-1

Date Collected: 08/18/22 14:56

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0038 | | 0.0020 | 0.00030 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:36 | 1 |
| Copper | 0.024 | | 0.0040 | 0.00030 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:36 | 1 |
| Manganese | 0.0097 | | 0.0020 | 0.00028 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:36 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 10 | | 0.84 | 0.84 | ug/m3 | | | 08/25/22 15:30 | 1 |

Client Sample ID: GES_TSP071122-126

Lab Sample ID: 320-91322-2

Date Collected: 08/18/22 14:56

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 29.6889 | | 0.8889 | 0.8889 | ug/m3 (Air) | | | 08/25/22 15:30 | 1 |

Client Sample ID: GESPM072622-127

Lab Sample ID: 320-91322-3

Date Collected: 08/18/22 14:42

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0018 | J | 0.0020 | 0.00030 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:46 | 1 |
| Copper | 0.017 | | 0.0040 | 0.00030 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:46 | 1 |
| Manganese | 0.0057 | | 0.0020 | 0.00028 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:46 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 7.3 | | 0.83 | 0.83 | ug/m3 | | | 08/25/22 15:30 | 1 |

Client Sample ID: GESTSP072622-127

Lab Sample ID: 320-91322-4

Date Collected: 08/18/22 14:42

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 29.9282 | | 0.8313 | 0.8313 | ug/m3 (Air) | | | 08/25/22 15:30 | 1 |

Client Sample ID: GESPM072622-128

Lab Sample ID: 320-91322-5

Date Collected: 08/23/22 06:47

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0067 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:49 | 1 |
| Copper | 0.047 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:49 | 1 |
| Manganese | 0.015 | | 0.00069 | 0.000097 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:49 | 1 |

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Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Client Sample ID: GESPM072622-128

Lab Sample ID: 320-91322-5

Date Collected: 08/23/22 06:47

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 34 | | 0.29 | 0.29 | ug/m3 | | | 08/25/22 15:30 | 1 |

Client Sample ID: GESTSP072622-128

Lab Sample ID: 320-91322-6

Date Collected: 08/23/22 06:47

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 61.4023 | | 0.3043 | 0.3043 | ug/m3 (Air) | | | 08/25/22 15:30 | 1 |

Client Sample ID: GESPM072622-129

Lab Sample ID: 320-91322-7

Date Collected: 08/23/22 06:38

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.011 | | 0.00067 | 0.00010 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:53 | 1 |
| Copper | 0.026 | | 0.0013 | 0.00010 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:53 | 1 |
| Manganese | 0.016 | | 0.00067 | 0.000094 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:53 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 26 | | 0.28 | 0.28 | ug/m3 | | | 08/25/22 15:30 | 1 |

Client Sample ID: GESTSP072622-129

Lab Sample ID: 320-91322-8

Date Collected: 08/23/22 06:38

Matrix: Air

Date Received: 08/24/22 09:55

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 74.5433 | | 0.2856 | 0.2856 | ug/m3 (Air) | | | 08/25/22 15:30 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-613123/1-B
Matrix: Air
Analysis Batch: 613452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613130

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:26 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:26 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 08/30/22 05:30 | 08/31/22 00:26 | 1 |

Lab Sample ID: LCS 320-613123/2-B
Matrix: Air
Analysis Batch: 613452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613130

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.242 | | ug/m3 (Air) | | 101 | 86 - 111 |
| Copper | 0.240 | 0.233 | | ug/m3 (Air) | | 97 | 85 - 110 |
| Manganese | 0.240 | 0.242 | | ug/m3 (Air) | | 101 | 88 - 110 |

Lab Sample ID: LCSD 320-613123/3-B
Matrix: Air
Analysis Batch: 613452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613130

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.241 | | ug/m3 (Air) | | 100 | 86 - 111 | 1 | 15 |
| Copper | 0.240 | 0.234 | | ug/m3 (Air) | | 98 | 85 - 110 | 0 | 15 |
| Manganese | 0.240 | 0.241 | | ug/m3 (Air) | | 101 | 88 - 110 | 0 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Metals

Pre Prep Batch: 613123

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-91322-1 | GES_PM071122-126 | Total/NA | Air | Filter to Air | |
| 320-91322-3 | GESPM072622-127 | Total/NA | Air | Filter to Air | |
| 320-91322-5 | GESPM072622-128 | Total/NA | Air | Filter to Air | |
| 320-91322-7 | GESPM072622-129 | Total/NA | Air | Filter to Air | |
| MB 320-613123/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-613123/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-613123/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 613130

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91322-1 | GES_PM071122-126 | Total/NA | Air | 3050B | 613123 |
| 320-91322-3 | GESPM072622-127 | Total/NA | Air | 3050B | 613123 |
| 320-91322-5 | GESPM072622-128 | Total/NA | Air | 3050B | 613123 |
| 320-91322-7 | GESPM072622-129 | Total/NA | Air | 3050B | 613123 |
| MB 320-613123/1-B | Method Blank | Total/NA | Air | 3050B | 613123 |
| LCS 320-613123/2-B | Lab Control Sample | Total/NA | Air | 3050B | 613123 |
| LCSD 320-613123/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 613123 |

Analysis Batch: 613452

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91322-1 | GES_PM071122-126 | Total/NA | Air | 6020 | 613130 |
| 320-91322-3 | GESPM072622-127 | Total/NA | Air | 6020 | 613130 |
| 320-91322-5 | GESPM072622-128 | Total/NA | Air | 6020 | 613130 |
| 320-91322-7 | GESPM072622-129 | Total/NA | Air | 6020 | 613130 |
| MB 320-613123/1-B | Method Blank | Total/NA | Air | 6020 | 613130 |
| LCS 320-613123/2-B | Lab Control Sample | Total/NA | Air | 6020 | 613130 |
| LCSD 320-613123/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 613130 |

General Chemistry

Pre Prep Batch: 613620

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-91322-2 | GES_TSP071122-126 | Total/NA | Air | Filter to Air | |
| 320-91322-4 | GESTSP072622-127 | Total/NA | Air | Filter to Air | |
| 320-91322-6 | GESTSP072622-128 | Total/NA | Air | Filter to Air | |
| 320-91322-8 | GESTSP072622-129 | Total/NA | Air | Filter to Air | |

Analysis Batch: 613654

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|---------------|------------|
| 320-91322-2 | GES_TSP071122-126 | Total/NA | Air | 40CFR50 App B | 613620 |
| 320-91322-4 | GESTSP072622-127 | Total/NA | Air | 40CFR50 App B | 613620 |
| 320-91322-6 | GESTSP072622-128 | Total/NA | Air | 40CFR50 App B | 613620 |
| 320-91322-8 | GESTSP072622-129 | Total/NA | Air | 40CFR50 App B | 613620 |

Analysis Batch: 613657

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-91322-1 | GES_PM071122-126 | Total/NA | Air | PM10 | |
| 320-91322-3 | GESPM072622-127 | Total/NA | Air | PM10 | |
| 320-91322-5 | GESPM072622-128 | Total/NA | Air | PM10 | |
| 320-91322-7 | GESPM072622-129 | Total/NA | Air | PM10 | |

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Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Client Sample ID: GES_PM071122-126

Lab Sample ID: 320-91322-1

Date Collected: 08/18/22 14:56

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 613123 | 08/30/22 04:53 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 613130 | 08/30/22 05:30 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 613452 | 08/31/22 00:36 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0060 g | 613657 | 08/25/22 15:30 | | EET SAC |

Client Sample ID: GES_TSP071122-126

Lab Sample ID: 320-91322-2

Date Collected: 08/18/22 14:56

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | 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 | | | 613654 | 08/25/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 613620 | 08/31/22 15:21 | | EET SAC |

Client Sample ID: GESPM072622-127

Lab Sample ID: 320-91322-3

Date Collected: 08/18/22 14:42

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 613123 | 08/30/22 04:53 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 613130 | 08/30/22 05:30 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 613452 | 08/31/22 00:46 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0044 g | 613657 | 08/25/22 15:30 | | EET SAC |

Client Sample ID: GESTSP072622-127

Lab Sample ID: 320-91322-4

Date Collected: 08/18/22 14:42

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | 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 | | | 613654 | 08/25/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 613620 | 08/31/22 15:21 | | EET SAC |

Client Sample ID: GESPM072622-128

Lab Sample ID: 320-91322-5

Date Collected: 08/23/22 06:47

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 613123 | 08/30/22 04:53 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 613130 | 08/30/22 05:30 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 613452 | 08/31/22 00:49 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0590 g | 613657 | 08/25/22 15:30 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Client Sample ID: GESTSP072622-128

Lab Sample ID: 320-91322-6

Date Collected: 08/23/22 06:47

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | 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 | | | 613654 | 08/25/22 15:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 613620 | 08/31/22 15:21 | █ | EET SAC |

Client Sample ID: GESPM072622-129

Lab Sample ID: 320-91322-7

Date Collected: 08/23/22 06:38

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 613123 | 08/30/22 04:53 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 613130 | 08/30/22 05:30 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 613452 | 08/31/22 00:53 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0465 g | 613657 | 08/25/22 15:30 | █ | EET SAC |

Client Sample ID: GESTSP072622-129

Lab Sample ID: 320-91322-8

Date Collected: 08/23/22 06:38

Matrix: Air

Date Received: 08/24/22 09:55

| Prep Type | 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 | | | 613654 | 08/25/22 15:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 613620 | 08/31/22 15:21 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

Laboratory: Eurofins 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 | 01-29-23 |

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 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91322-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|-------------------|--------|----------------|----------------|
| 320-91322-1 | GES_PM071122-126 | Air | 08/18/22 14:56 | 08/24/22 09:55 |
| 320-91322-2 | GES_TSP071122-126 | Air | 08/18/22 14:56 | 08/24/22 09:55 |
| 320-91322-3 | GESPM072622-127 | Air | 08/18/22 14:42 | 08/24/22 09:55 |
| 320-91322-4 | GESTSP072622-127 | Air | 08/18/22 14:42 | 08/24/22 09:55 |
| 320-91322-5 | GESPM072622-128 | Air | 08/23/22 06:47 | 08/24/22 09:55 |
| 320-91322-6 | GESTSP072622-128 | Air | 08/23/22 06:47 | 08/24/22 09:55 |
| 320-91322-7 | GESPM072622-129 | Air | 08/23/22 06:38 | 08/24/22 09:55 |
| 320-91322-8 | GESTSP072622-129 | Air | 08/23/22 06:38 | 08/24/22 09:55 |

- 1
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**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT082322AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | |
|-------------------|---|---|---|
| Comments: | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6020 - Air Pb Mn Cu | Code Matrix | A Air |
| | | Code Container/Preservative | 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None |
| Equipment: | |  320-91322 Chain of Custody | |

| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | | |
|--|-------------------|------|------------|------------|----|---|---|--|--|--|-------------|-------------|--------------------------------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | GES_PM071122-126 | A | 08/18/2022 | 1456 | KT | X | X | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 596.13 (M3) |
| 2 | GES_TSP071122-126 | A | 08/18/2022 | 1456 | KT | | X | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 562.50 (M3) |
| 3 | GESPM072622-127 | A | 08/18/2022 | 1442 | KT | X | X | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 605.48 (M3) |
| 4 | GESTSP072622-127 | A | 08/18/2022 | 1442 | KT | | X | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 601.44 (M3) |
| 5 | GESPM072622-128 | A | 08/23/2022 | 0647 | KT | X | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1727.41 (M3) |
| 6 | GESTSP072622-128 | A | 08/23/2022 | 0647 | KT | | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1643.26 (M3) |
| 7 | GESPM072622-129 | A | 08/23/2022 | 0638 | KT | X | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1785.50 (M3) |
| 8 | GESTSP072622-129 | A | 08/23/2022 | 0638 | KT | | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1750.66 (M3) |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|--|
| [Redacted] | 8/23/22 | 1500 | FedEx | 8/23/22 | 1500 | Shipping Date: 8/23/2022 / FedEx 7777 2751 3525 |
| | | | [Redacted] | 8-24-22 | 955 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

20.0°C

Page 15 of 16

8/31/2022



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-91322-1

Login Number: 91322

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-91433-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

[REDACTED]

Authorized for release by:
9/12/2022 4:00:00 PM

[REDACTED] Project Manager I

[REDACTED]

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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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|----------------------------------|----|
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Definitions/Glossary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Job ID: 320-91433-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-91433-1

Comments

No additional comments.

Receipt

The samples were received on 8/26/2022 8:50 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 19.1° C.

Metals

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

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Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Client Sample ID: GESPM072622-130

Lab Sample ID: 320-91433-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0072 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.037 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.017 | | 0.00069 | 0.000097 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 27 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-130

Lab Sample ID: 320-91433-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 54.7455 | | 0.3031 | 0.3031 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-131

Lab Sample ID: 320-91433-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0018 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.030 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0047 | | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 10 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-131

Lab Sample ID: 320-91433-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 24.3808 | | 0.2855 | 0.2855 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-132

Lab Sample ID: 320-91433-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0014 | | 0.00069 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.033 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0049 | | 0.00069 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 7.6 | | 0.29 | 0.29 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-132

Lab Sample ID: 320-91433-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 12.8287 | | 0.2997 | 0.2997 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-133

Lab Sample ID: 320-91433-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0013 | | 0.00068 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.013 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0036 | | 0.00068 | 0.000095 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 6.8 | | 0.28 | 0.28 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-133

Lab Sample ID: 320-91433-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 16.8196 | | 0.3081 | 0.3081 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Client Sample ID: GESPM072622-130

Lab Sample ID: 320-91433-1

Date Collected: 08/24/22 06:39

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0072 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:19 | 1 |
| Copper | 0.037 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:19 | 1 |
| Manganese | 0.017 | | 0.00069 | 0.000097 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:19 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 27 | | 0.29 | 0.29 | ug/m3 | | | 08/30/22 14:30 | 1 |

Client Sample ID: GESTSP072622-130

Lab Sample ID: 320-91433-2

Date Collected: 08/24/22 06:39

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 54.7455 | | 0.3031 | 0.3031 | ug/m3 (Air) | | | 08/30/22 14:30 | 1 |

Client Sample ID: GESPM072622-131

Lab Sample ID: 320-91433-3

Date Collected: 08/24/22 06:31

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0018 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:35 | 1 |
| Copper | 0.030 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:35 | 1 |
| Manganese | 0.0047 | | 0.00069 | 0.000096 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:35 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 10 | | 0.29 | 0.29 | ug/m3 | | | 08/30/22 14:30 | 1 |

Client Sample ID: GESTSP072622-131

Lab Sample ID: 320-91433-4

Date Collected: 08/24/22 06:31

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 24.3808 | | 0.2855 | 0.2855 | ug/m3 (Air) | | | 08/30/22 14:30 | 1 |

Client Sample ID: GESPM072622-132

Lab Sample ID: 320-91433-5

Date Collected: 08/25/22 06:44

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0014 | | 0.00069 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:38 | 1 |
| Copper | 0.033 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:38 | 1 |
| Manganese | 0.0049 | | 0.00069 | 0.000096 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:38 | 1 |

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Client Sample ID: GESPM072622-132

Lab Sample ID: 320-91433-5

Date Collected: 08/25/22 06:44

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 7.6 | | 0.29 | 0.29 | ug/m3 | | | 08/30/22 14:30 | 1 |

Client Sample ID: GESTSP072622-132

Lab Sample ID: 320-91433-6

Date Collected: 08/25/22 06:44

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 12.8287 | | 0.2997 | 0.2997 | ug/m3 (Air) | | | 08/30/22 14:30 | 1 |

Client Sample ID: GESPM072622-133

Lab Sample ID: 320-91433-7

Date Collected: 08/25/22 06:34

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0013 | | 0.00068 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:41 | 1 |
| Copper | 0.013 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:41 | 1 |
| Manganese | 0.0036 | | 0.00068 | 0.000095 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:41 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 6.8 | | 0.28 | 0.28 | ug/m3 | | | 08/30/22 14:30 | 1 |

Client Sample ID: GESTSP072622-133

Lab Sample ID: 320-91433-8

Date Collected: 08/25/22 06:34

Matrix: Air

Date Received: 08/26/22 08:50

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 16.8196 | | 0.3081 | 0.3081 | ug/m3 (Air) | | | 08/30/22 14:30 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-615799/9-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 615829

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:10 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:10 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:10 | 1 |

Lab Sample ID: LCS 320-615799/10-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 615829

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.248 | | ug/m3 (Air) | | 103 | 86 - 111 |
| Copper | 0.240 | 0.240 | | ug/m3 (Air) | | 100 | 85 - 110 |
| Manganese | 0.240 | 0.239 | | ug/m3 (Air) | | 100 | 88 - 110 |

Lab Sample ID: LCSD 320-615799/11-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 615829

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.246 | | ug/m3 (Air) | | 103 | 86 - 111 | 1 | 15 |
| Copper | 0.240 | 0.232 | | ug/m3 (Air) | | 97 | 85 - 110 | 3 | 15 |
| Manganese | 0.240 | 0.232 | | ug/m3 (Air) | | 96 | 88 - 110 | 3 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Metals

Pre Prep Batch: 615799

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|---------------|------------|
| 320-91433-1 | GESPM072622-130 | Total/NA | Air | Filter to Air | |
| 320-91433-3 | GESPM072622-131 | Total/NA | Air | Filter to Air | |
| 320-91433-5 | GESPM072622-132 | Total/NA | Air | Filter to Air | |
| 320-91433-7 | GESPM072622-133 | Total/NA | Air | Filter to Air | |
| MB 320-615799/9-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-615799/10-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-615799/11-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 615829

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 320-91433-1 | GESPM072622-130 | Total/NA | Air | 3050B | 615799 |
| 320-91433-3 | GESPM072622-131 | Total/NA | Air | 3050B | 615799 |
| 320-91433-5 | GESPM072622-132 | Total/NA | Air | 3050B | 615799 |
| 320-91433-7 | GESPM072622-133 | Total/NA | Air | 3050B | 615799 |
| MB 320-615799/9-B | Method Blank | Total/NA | Air | 3050B | 615799 |
| LCS 320-615799/10-B | Lab Control Sample | Total/NA | Air | 3050B | 615799 |
| LCSD 320-615799/11-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 615799 |

Analysis Batch: 615873

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 320-91433-1 | GESPM072622-130 | Total/NA | Air | 6020 | 615829 |
| 320-91433-3 | GESPM072622-131 | Total/NA | Air | 6020 | 615829 |
| 320-91433-5 | GESPM072622-132 | Total/NA | Air | 6020 | 615829 |
| 320-91433-7 | GESPM072622-133 | Total/NA | Air | 6020 | 615829 |
| MB 320-615799/9-B | Method Blank | Total/NA | Air | 6020 | 615829 |
| LCS 320-615799/10-B | Lab Control Sample | Total/NA | Air | 6020 | 615829 |
| LCSD 320-615799/11-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 615829 |

General Chemistry

Pre Prep Batch: 615303

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-91433-2 | GESTSP072622-130 | Total/NA | Air | Filter to Air | |
| 320-91433-4 | GESTSP072622-131 | Total/NA | Air | Filter to Air | |
| 320-91433-6 | GESTSP072622-132 | Total/NA | Air | Filter to Air | |
| 320-91433-8 | GESTSP072622-133 | Total/NA | Air | Filter to Air | |

Analysis Batch: 616121

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-91433-1 | GESPM072622-130 | Total/NA | Air | PM10 | |
| 320-91433-3 | GESPM072622-131 | Total/NA | Air | PM10 | |
| 320-91433-5 | GESPM072622-132 | Total/NA | Air | PM10 | |
| 320-91433-7 | GESPM072622-133 | Total/NA | Air | PM10 | |

Analysis Batch: 616123

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-91433-2 | GESTSP072622-130 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91433-4 | GESTSP072622-131 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91433-6 | GESTSP072622-132 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91433-8 | GESTSP072622-133 | Total/NA | Air | 40CFR50 App B | 615303 |

Eurofins Sacramento

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Client Sample ID: GESPM072622-130

Lab Sample ID: 320-91433-1

Date Collected: 08/24/22 06:39

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:19 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0475 g | 616121 | 08/30/22 14:30 | | EET SAC |

Client Sample ID: GESTSP072622-130

Lab Sample ID: 320-91433-2

Date Collected: 08/24/22 06:39

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | 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 | | | 616123 | 08/30/22 14:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | | EET SAC |

Client Sample ID: GESPM072622-131

Lab Sample ID: 320-91433-3

Date Collected: 08/24/22 06:31

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:35 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0180 g | 616121 | 08/30/22 14:30 | | EET SAC |

Client Sample ID: GESTSP072622-131

Lab Sample ID: 320-91433-4

Date Collected: 08/24/22 06:31

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | 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 | | | 616123 | 08/30/22 14:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | | EET SAC |

Client Sample ID: GESPM072622-132

Lab Sample ID: 320-91433-5

Date Collected: 08/25/22 06:44

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:38 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0133 g | 616121 | 08/30/22 14:30 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Client Sample ID: GESTSP072622-132

Lab Sample ID: 320-91433-6

Date Collected: 08/25/22 06:44

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | 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 | | | 616123 | 08/30/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | █ | EET SAC |

Client Sample ID: GESPM072622-133

Lab Sample ID: 320-91433-7

Date Collected: 08/25/22 06:34

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:41 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0120 g | 616121 | 08/30/22 14:30 | █ | EET SAC |

Client Sample ID: GESTSP072622-133

Lab Sample ID: 320-91433-8

Date Collected: 08/25/22 06:34

Matrix: Air

Date Received: 08/26/22 08:50

| Prep Type | 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 | | | 616123 | 08/30/22 14:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

Laboratory: Eurofins 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 | 01-29-23 |

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 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91433-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 320-91433-1 | GESPM072622-130 | Air | 08/24/22 06:39 | 08/26/22 08:50 |
| 320-91433-2 | GESTSP072622-130 | Air | 08/24/22 06:39 | 08/26/22 08:50 |
| 320-91433-3 | GESPM072622-131 | Air | 08/24/22 06:31 | 08/26/22 08:50 |
| 320-91433-4 | GESTSP072622-131 | Air | 08/24/22 06:31 | 08/26/22 08:50 |
| 320-91433-5 | GESPM072622-132 | Air | 08/25/22 06:44 | 08/26/22 08:50 |
| 320-91433-6 | GESTSP072622-132 | Air | 08/25/22 06:44 | 08/26/22 08:50 |
| 320-91433-7 | GESPM072622-133 | Air | 08/25/22 06:34 | 08/26/22 08:50 |
| 320-91433-8 | GESTSP072622-133 | Air | 08/25/22 06:34 | 08/26/22 08:50 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14


**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT082522AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | |
|---|---|---|
| Comments:  320-91433 Chain of Custody | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6020 - Air Pb Mn Cu | Code Matrix |
| | | A Air |
| Equipment: | | Code Container/Preservative |
| | | 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None |

| | | | |
|---|---|---|---|
| Event: Parcel E Phase 2 Air Monitoring | 1 | 1 | 1 |
|---|---|---|---|

| | Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | | | | | Location ID | Sample Type | Depth (ft bgs) | | Cooler | Comments | | | |
|----|------------------|--------|------------|------|------------|-----|--------|--|--|--|--|--|--|--|--|-------------|-------------|----------------|-------|--------|----------|------|---|----------------------|
| | | | | | | Top | Bottom | | | | | | | | | | | | | | | | | |
| 1 | GESPM072622-130 | A | 08/24/2022 | 0639 | [Redacted] | X | X | | | | | | | | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1732.88 (M3) |
| 2 | GESTSP072622-130 | A | 08/24/2022 | 0639 | [Redacted] | | X | | | | | | | | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1649.45 (M3) |
| 3 | GESPM072622-131 | A | 08/24/2022 | 0631 | [Redacted] | X | X | | | | | | | | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1745.46 (M3) |
| 4 | GESTSP072622-131 | A | 08/24/2022 | 0631 | [Redacted] | | X | | | | | | | | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1751.38 (M3) |
| 5 | GESPM072622-132 | A | 08/25/2022 | 0644 | [Redacted] | X | X | | | | | | | | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1744.41 (M3) |
| 6 | GESTSP072622-132 | A | 08/25/2022 | 0644 | [Redacted] | | X | | | | | | | | | | | | AMSE1 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1668.13 (M3) |
| 7 | GESPM072622-133 | A | 08/25/2022 | 0634 | [Redacted] | X | X | | | | | | | | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1775.43 (M3) |
| 8 | GESTSP072622-133 | A | 08/25/2022 | 0634 | [Redacted] | | X | | | | | | | | | | | | AMSE2 | N1 | 0.00 | 0.00 | 1 | VOLUME: 1623.11 (M3) |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | |

Turnaround Time: NA

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|--|
| [Redacted] | 8/25/22 | 1600 | FEDEX | 8/25/22 | 1600 | Shipping Date: 8/25/2022 / FedEx 7777 5170 7655 |
| | | | [Redacted] | 8-26-22 | 0850 | Received by Laboratory: (Signature, Date, Time) & condition |

19.1%

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9/12/2022



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-91433-1

Login Number: 91433

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-91548-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

[REDACTED]

Authorized for release by:
9/12/2022 4:00:14 PM

[REDACTED] Project Manager I
[REDACTED]

[REDACTED]

LINKS

Review your project
results through



Have a Question?



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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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Job ID: 320-91548-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-91548-1

Comments

No additional comments.

Receipt

The samples were received on 8/31/2022 9:10 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 19.3° C.

Metals

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

- 1
- 2
- 3
- 4
- 5
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- 7
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- 14

Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Client Sample ID: GESPM072622-134

Lab Sample ID: 320-91548-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0056 | | 0.0018 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.056 | | 0.0037 | 0.00028 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.012 | | 0.0018 | 0.00026 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 17 | | 0.77 | 0.77 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-134

Lab Sample ID: 320-91548-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 54.8105 | | 0.8108 | 0.8108 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-135

Lab Sample ID: 320-91548-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0019 | | 0.0018 | 0.00027 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.029 | | 0.0036 | 0.00027 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0043 | | 0.0018 | 0.00025 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 4.6 | | 0.76 | 0.76 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-135

Lab Sample ID: 320-91548-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 21.4051 | | 0.7645 | 0.7645 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-136

Lab Sample ID: 320-91548-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0032 | | 0.00074 | 0.00011 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.025 | | 0.0015 | 0.00011 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0076 | | 0.00074 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 23 | | 0.31 | 0.31 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-136

Lab Sample ID: 320-91548-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 35.1777 | | 0.3113 | 0.3113 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-137

Lab Sample ID: 320-91548-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0023 | | 0.00070 | 0.00011 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.028 | | 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: GESTSP072622-137

Lab Sample ID: 320-91548-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 35.9786 | | 0.2930 | 0.2930 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Client Sample ID: GESPM072622-134

Lab Sample ID: 320-91548-1

Date Collected: 08/25/22 15:40

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0056 | | 0.0018 | 0.00028 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 00:56 | 1 |
| Copper | 0.056 | | 0.0037 | 0.00028 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 00:56 | 1 |
| Manganese | 0.012 | | 0.0018 | 0.00026 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 00:56 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 17 | | 0.77 | 0.77 | ug/m3 | | | 09/01/22 15:30 | 1 |

Client Sample ID: GESTSP072622-134

Lab Sample ID: 320-91548-2

Date Collected: 08/25/22 15:40

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 54.8105 | | 0.8108 | 0.8108 | ug/m3 (Air) | | | 09/01/22 15:30 | 1 |

Client Sample ID: GESPM072622-135

Lab Sample ID: 320-91548-3

Date Collected: 08/25/22 15:32

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0019 | | 0.0018 | 0.00027 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:05 | 1 |
| Copper | 0.029 | | 0.0036 | 0.00027 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:05 | 1 |
| Manganese | 0.0043 | | 0.0018 | 0.00025 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:05 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 4.6 | | 0.76 | 0.76 | ug/m3 | | | 09/01/22 15:30 | 1 |

Client Sample ID: GESTSP072622-135

Lab Sample ID: 320-91548-4

Date Collected: 08/25/22 15:32

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 21.4051 | | 0.7645 | 0.7645 | ug/m3 (Air) | | | 09/01/22 15:30 | 1 |

Client Sample ID: GESPM072622-136

Lab Sample ID: 320-91548-5

Date Collected: 08/30/22 07:27

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0032 | | 0.00074 | 0.00011 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:09 | 1 |
| Copper | 0.025 | | 0.0015 | 0.00011 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:09 | 1 |
| Manganese | 0.0076 | | 0.00074 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:09 | 1 |

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Client Sample ID: GESPM072622-136

Lab Sample ID: 320-91548-5

Date Collected: 08/30/22 07:27

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 23 | | 0.31 | 0.31 | ug/m3 | | | 09/01/22 15:30 | 1 |

Client Sample ID: GESTSP072622-136

Lab Sample ID: 320-91548-6

Date Collected: 08/30/22 07:27

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 35.1777 | | 0.3113 | 0.3113 | ug/m3 (Air) | | | 09/01/22 15:30 | 1 |

Client Sample ID: GESPM072622-137

Lab Sample ID: 320-91548-7

Date Collected: 08/30/22 07:18

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0023 | | 0.00070 | 0.00011 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:12 | 1 |
| Copper | 0.028 | | 0.0014 | 0.00011 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:12 | 1 |
| Manganese | 0.0039 | | 0.00070 | 0.000098 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 01:12 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 20 | | 0.29 | 0.29 | ug/m3 | | | 09/01/22 15:30 | 1 |

Client Sample ID: GESTSP072622-137

Lab Sample ID: 320-91548-8

Date Collected: 08/30/22 07:18

Matrix: Air

Date Received: 08/31/22 09:10

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 35.9786 | | 0.2930 | 0.2930 | ug/m3 (Air) | | | 09/01/22 15:30 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-615798/1-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 615831

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 00:47 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 00:47 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 00:47 | 1 |

Lab Sample ID: LCS 320-615798/2-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 615831

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.248 | | ug/m3 (Air) | | 103 | 86 - 111 |
| Copper | 0.240 | 0.236 | | ug/m3 (Air) | | 98 | 85 - 110 |
| Manganese | 0.240 | 0.243 | | ug/m3 (Air) | | 101 | 88 - 110 |

Lab Sample ID: LCSD 320-615798/3-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 615831

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.243 | | ug/m3 (Air) | | 101 | 86 - 111 | 2 | 15 |
| Copper | 0.240 | 0.241 | | ug/m3 (Air) | | 100 | 85 - 110 | 2 | 15 |
| Manganese | 0.240 | 0.247 | | ug/m3 (Air) | | 103 | 88 - 110 | 2 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Metals

Pre Prep Batch: 615798

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------------|------------|
| 320-91548-1 | GESPM072622-134 | Total/NA | Air | Filter to Air | |
| 320-91548-3 | GESPM072622-135 | Total/NA | Air | Filter to Air | |
| 320-91548-5 | GESPM072622-136 | Total/NA | Air | Filter to Air | |
| 320-91548-7 | GESPM072622-137 | Total/NA | Air | Filter to Air | |
| MB 320-615798/1-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-615798/2-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-615798/3-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 615831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91548-1 | GESPM072622-134 | Total/NA | Air | 3050B | 615798 |
| 320-91548-3 | GESPM072622-135 | Total/NA | Air | 3050B | 615798 |
| 320-91548-5 | GESPM072622-136 | Total/NA | Air | 3050B | 615798 |
| 320-91548-7 | GESPM072622-137 | Total/NA | Air | 3050B | 615798 |
| MB 320-615798/1-B | Method Blank | Total/NA | Air | 3050B | 615798 |
| LCS 320-615798/2-B | Lab Control Sample | Total/NA | Air | 3050B | 615798 |
| LCSD 320-615798/3-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 615798 |

Analysis Batch: 615873

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 320-91548-1 | GESPM072622-134 | Total/NA | Air | 6020 | 615831 |
| 320-91548-3 | GESPM072622-135 | Total/NA | Air | 6020 | 615831 |
| 320-91548-5 | GESPM072622-136 | Total/NA | Air | 6020 | 615831 |
| 320-91548-7 | GESPM072622-137 | Total/NA | Air | 6020 | 615831 |
| MB 320-615798/1-B | Method Blank | Total/NA | Air | 6020 | 615831 |
| LCS 320-615798/2-B | Lab Control Sample | Total/NA | Air | 6020 | 615831 |
| LCSD 320-615798/3-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 615831 |

General Chemistry

Pre Prep Batch: 615303

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-91548-2 | GESTSP072622-134 | Total/NA | Air | Filter to Air | |
| 320-91548-4 | GESTSP072622-135 | Total/NA | Air | Filter to Air | |
| 320-91548-6 | GESTSP072622-136 | Total/NA | Air | Filter to Air | |
| 320-91548-8 | GESTSP072622-137 | Total/NA | Air | Filter to Air | |

Analysis Batch: 616130

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-91548-1 | GESPM072622-134 | Total/NA | Air | PM10 | |
| 320-91548-3 | GESPM072622-135 | Total/NA | Air | PM10 | |
| 320-91548-5 | GESPM072622-136 | Total/NA | Air | PM10 | |
| 320-91548-7 | GESPM072622-137 | Total/NA | Air | PM10 | |

Analysis Batch: 616144

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-91548-2 | GESTSP072622-134 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91548-4 | GESTSP072622-135 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91548-6 | GESTSP072622-136 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91548-8 | GESTSP072622-137 | Total/NA | Air | 40CFR50 App B | 615303 |

Eurofins Sacramento

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Client Sample ID: GESPM072622-134

Lab Sample ID: 320-91548-1

Date Collected: 08/25/22 15:40

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615798 | 09/11/22 13:00 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615831 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 00:56 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0109 g | 616130 | 09/01/22 15:30 | | EET SAC |

Client Sample ID: GESTSP072622-134

Lab Sample ID: 320-91548-2

Date Collected: 08/25/22 15:40

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | 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 | | | 616144 | 09/01/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | | EET SAC |

Client Sample ID: GESPM072622-135

Lab Sample ID: 320-91548-3

Date Collected: 08/25/22 15:32

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615798 | 09/11/22 13:00 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615831 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 01:05 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0030 g | 616130 | 09/01/22 15:30 | | EET SAC |

Client Sample ID: GESTSP072622-135

Lab Sample ID: 320-91548-4

Date Collected: 08/25/22 15:32

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | 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 | | | 616144 | 09/01/22 15:30 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | | EET SAC |

Client Sample ID: GESPM072622-136

Lab Sample ID: 320-91548-5

Date Collected: 08/30/22 07:27

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615798 | 09/11/22 13:00 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615831 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 01:09 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0378 g | 616130 | 09/01/22 15:30 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Client Sample ID: GESTSP072622-136

Lab Sample ID: 320-91548-6

Date Collected: 08/30/22 07:27

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | 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 | | | 616144 | 09/01/22 15:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | █ | EET SAC |

Client Sample ID: GESPM072622-137

Lab Sample ID: 320-91548-7

Date Collected: 08/30/22 07:18

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615798 | 09/11/22 13:00 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615831 | 09/11/22 14:40 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 01:12 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0340 g | 616130 | 09/01/22 15:30 | █ | EET SAC |

Client Sample ID: GESTSP072622-137

Lab Sample ID: 320-91548-8

Date Collected: 08/30/22 07:18

Matrix: Air

Date Received: 08/31/22 09:10

| Prep Type | 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 | | | 616144 | 09/01/22 15:30 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

Laboratory: Eurofins 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 | 01-29-23 |

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91548-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 320-91548-1 | GESPM072622-134 | Air | 08/25/22 15:40 | 08/31/22 09:10 |
| 320-91548-2 | GESTSP072622-134 | Air | 08/25/22 15:40 | 08/31/22 09:10 |
| 320-91548-3 | GESPM072622-135 | Air | 08/25/22 15:32 | 08/31/22 09:10 |
| 320-91548-4 | GESTSP072622-135 | Air | 08/25/22 15:32 | 08/31/22 09:10 |
| 320-91548-5 | GESPM072622-136 | Air | 08/30/22 07:27 | 08/31/22 09:10 |
| 320-91548-6 | GESTSP072622-136 | Air | 08/30/22 07:27 | 08/31/22 09:10 |
| 320-91548-7 | GESPM072622-137 | Air | 08/30/22 07:18 | 08/31/22 09:10 |
| 320-91548-8 | GESTSP072622-137 | Air | 08/30/22 07:18 | 08/31/22 09:10 |

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**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT083022AIRE



| | | |
|--|--|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | | |
|-------------------|-------------------------------|--|------|---|
| Comments: | Analytical Test Method | CAAIR - Air PM10 N0500 - Air TSP SW6020 - Air Pb Mn Cu | Code | Matrix |
| | | | A | Air |
| Equipment: | | | Code | Container/Preservative |
| | | | 1 | 1x 250 mL Plastic, 4 Degrees C [Redacted] 8/30/22 |
| | | | 1 | 1x Envelope, None |



| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | | |
|--|------------------|------|------------|------------|------------|---|---|--|--|--|-------------|-------------|--------------------------------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | GESPM072622-134 | A | 08/25/2022 | 1540 | [Redacted] | X | X | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 650.09 (M3) |
| 2 | GESTSP072622-134 | A | 08/25/2022 | 1540 | [Redacted] | | X | | | | AMSE1 | N2 | 0.00 0.00 | 1 | VOLUME: 616.67 (M3) |
| 3 | GESPM072622-135 | A | 08/25/2022 | 1532 | [Redacted] | X | X | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 658.95 (M3) |
| 4 | GESTSP072622-135 | A | 08/25/2022 | 1532 | [Redacted] | | X | | | | AMSE2 | N2 | 0.00 0.00 | 1 | VOLUME: 654.05 (M3) |
| 5 | GESPM072622-136 | A | 08/30/2022 | 0727 | [Redacted] | X | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1617.27 (M3) |
| 6 | GESTSP072622-136 | A | 08/30/2022 | 0727 | [Redacted] | | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1606.13 (M3) |
| 7 | GESPM072622-137 | A | 08/30/2022 | 0718 | [Redacted] | X | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1709.56 (M3) |
| 8 | GESTSP072622-137 | A | 08/30/2022 | 0718 | [Redacted] | | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1706.57 (M3) |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|---------|------|--------------------------|---------|------|--|
| [Redacted] | 8/30/22 | 1430 | [Redacted] | 8/30/22 | 1430 | Shipping Date: 8/30/2022/ FedEx 7778 0020 6820 |
| | | | [Redacted] | 8-31-22 | 0910 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

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9/12/2022



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-91548-1

Login Number: 91548

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|--|--------|------------------------------------|
| Radioactivity wasn't checked or is </= background as measured by a survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | 1588044 |
| 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 | 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 | |
| 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 | |



ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-91681-1
Client Project/Site: Hunters Point, Parcel E, Phase 2

For:
GES-AIS, LLC
1501 W Fountainhead Parkway
Ste 550
Tempe, Arizona 85282

Attn: [REDACTED]

[REDACTED]

Authorized for release by:
9/12/2022 4:03:25 PM

[REDACTED] Project Manager I
[REDACTED]
[REDACTED]

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|----------------|---|
| α | Listed under the "D" column to designate that the result is reported on a dry weight basis |
| %R | Percent Recovery |
| CFL | Contains Free Liquid |
| CFU | Colony Forming Unit |
| 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) |
| EDL | Estimated Detection Limit (Dioxin) |
| LOD | Limit of Detection (DoD/DOE) |
| 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 |
| 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) |
| TEQ | Toxicity Equivalent Quotient (Dioxin) |
| TNTC | Too Numerous To Count |

Case Narrative

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Job ID: 320-91681-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-91681-1

Comments

No additional comments.

Receipt

The samples were received on 9/2/2022 12:00 PM. 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 21.4° C.

Metals

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



Detection Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Client Sample ID: GESPM072622-138

Lab Sample ID: 320-91681-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.033 | | 0.0014 | 0.00022 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.053 | | 0.0029 | 0.00022 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.058 | | 0.0014 | 0.00020 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 55 | | 0.60 | 0.60 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-138

Lab Sample ID: 320-91681-2

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 93.4428 | | 0.6221 | 0.6221 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-139

Lab Sample ID: 320-91681-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|--------|---------|-------------|---------|---|--------|-----------|
| Lead | 0.0030 | | 0.0014 | 0.00022 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.014 | | 0.0029 | 0.00022 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0061 | | 0.0014 | 0.00020 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 25 | | 0.60 | 0.60 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-139

Lab Sample ID: 320-91681-4

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 46.8407 | | 0.6005 | 0.6005 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-140

Lab Sample ID: 320-91681-5

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0042 | | 0.00068 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.015 | | 0.0014 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0097 | | 0.00068 | 0.000096 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 25 | | 0.28 | 0.28 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-140

Lab Sample ID: 320-91681-6

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 45.4814 | | 0.2980 | 0.2980 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

Client Sample ID: GESPM072622-141

Lab Sample ID: 320-91681-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------------|--------|-----------|---------|----------|-------------|---------|---|--------|-----------|
| Lead | 0.0033 | | 0.00067 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Copper | 0.024 | | 0.0013 | 0.00010 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Manganese | 0.0075 | | 0.00067 | 0.000094 | ug/m3 (Air) | 1 | | 6020 | Total/NA |
| Particulate Matter as PM 10 | 26 | | 0.28 | 0.28 | ug/m3 | 1 | | PM10 | Total/NA |

Client Sample ID: GESTSP072622-141

Lab Sample ID: 320-91681-8

| Analyte | Result | Qualifier | RL | RL | Unit | Dil Fac | D | Method | Prep Type |
|------------------------------|---------|-----------|--------|--------|-------------|---------|---|---------------|-----------|
| Total Suspended Particulates | 30.4004 | | 0.2815 | 0.2815 | ug/m3 (Air) | 1 | | 40CFR50 App B | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Client Sample ID: GESPM072622-138

Lab Sample ID: 320-91681-1

Date Collected: 08/31/22 06:35

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.033 | | 0.0014 | 0.00022 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:45 | 1 |
| Copper | 0.053 | | 0.0029 | 0.00022 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:45 | 1 |
| Manganese | 0.058 | | 0.0014 | 0.00020 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:45 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 55 | | 0.60 | 0.60 | ug/m3 | | | 09/07/22 09:17 | 1 |

Client Sample ID: GESTSP072622-138

Lab Sample ID: 320-91681-2

Date Collected: 08/31/22 06:35

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 93.4428 | | 0.6221 | 0.6221 | ug/m3 (Air) | | | 09/07/22 09:17 | 1 |

Client Sample ID: GESPM072622-139

Lab Sample ID: 320-91681-3

Date Collected: 08/31/22 06:26

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | 0.0030 | | 0.0014 | 0.00022 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:48 | 1 |
| Copper | 0.014 | | 0.0029 | 0.00022 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:48 | 1 |
| Manganese | 0.0061 | | 0.0014 | 0.00020 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:48 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 25 | | 0.60 | 0.60 | ug/m3 | | | 09/07/22 09:17 | 1 |

Client Sample ID: GESTSP072622-139

Lab Sample ID: 320-91681-4

Date Collected: 08/31/22 06:26

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 46.8407 | | 0.6005 | 0.6005 | ug/m3 (Air) | | | 09/07/22 09:17 | 1 |

Client Sample ID: GESPM072622-140

Lab Sample ID: 320-91681-5

Date Collected: 09/01/22 06:47

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0042 | | 0.00068 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:51 | 1 |
| Copper | 0.015 | | 0.0014 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:51 | 1 |
| Manganese | 0.0097 | | 0.00068 | 0.000096 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:51 | 1 |

Eurofins Sacramento

Client Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Client Sample ID: GESPM072622-140

Lab Sample ID: 320-91681-5

Date Collected: 09/01/22 06:47

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 25 | | 0.28 | 0.28 | ug/m3 | | | 09/07/22 09:17 | 1 |

Client Sample ID: GESTSP072622-140

Lab Sample ID: 320-91681-6

Date Collected: 09/01/22 06:47

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 45.4814 | | 0.2980 | 0.2980 | ug/m3 (Air) | | | 09/07/22 09:17 | 1 |

Client Sample ID: GESPM072622-141

Lab Sample ID: 320-91681-7

Date Collected: 09/01/22 06:39

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

Method: 6020 - Metals (ICP/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|---------|----------|-------------|---|----------------|----------------|---------|
| Lead | 0.0033 | | 0.00067 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:54 | 1 |
| Copper | 0.024 | | 0.0013 | 0.00010 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:54 | 1 |
| Manganese | 0.0075 | | 0.00067 | 0.000094 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:54 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Particulate Matter as PM 10 | 26 | | 0.28 | 0.28 | ug/m3 | | | 09/07/22 09:17 | 1 |

Client Sample ID: GESTSP072622-141

Lab Sample ID: 320-91681-8

Date Collected: 09/01/22 06:39

Matrix: Air

Date Received: 09/02/22 12:00

Sample Container: Folder/Filter

General Chemistry

| Analyte | Result | Qualifier | RL | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------------|---------|-----------|--------|--------|-------------|---|----------|----------------|---------|
| Total Suspended Particulates | 30.4004 | | 0.2815 | 0.2815 | ug/m3 (Air) | | | 09/07/22 09:17 | 1 |

QC Sample Results

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 320-615799/9-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 615829

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|-----------|--------------|--------|---------|-------------|---|----------------|----------------|---------|
| Lead | ND | | 0.0012 | 0.00018 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:10 | 1 |
| Copper | ND | | 0.0024 | 0.00018 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:10 | 1 |
| Manganese | ND | | 0.0012 | 0.00017 | ug/m3 (Air) | | 09/11/22 14:40 | 09/12/22 02:10 | 1 |

Lab Sample ID: LCS 320-615799/10-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 615829

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------|-------------|------------|---------------|-------------|---|------|-------------|
| Lead | 0.240 | 0.248 | | ug/m3 (Air) | | 103 | 86 - 111 |
| Copper | 0.240 | 0.240 | | ug/m3 (Air) | | 100 | 85 - 110 |
| Manganese | 0.240 | 0.239 | | ug/m3 (Air) | | 100 | 88 - 110 |

Lab Sample ID: LCSD 320-615799/11-B
Matrix: Air
Analysis Batch: 615873

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 615829

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------|-------------|-------------|----------------|-------------|---|------|-------------|-----|-----------|
| Lead | 0.240 | 0.246 | | ug/m3 (Air) | | 103 | 86 - 111 | 1 | 15 |
| Copper | 0.240 | 0.232 | | ug/m3 (Air) | | 97 | 85 - 110 | 3 | 15 |
| Manganese | 0.240 | 0.232 | | ug/m3 (Air) | | 96 | 88 - 110 | 3 | 15 |

QC Association Summary

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Metals

Pre Prep Batch: 615799

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|---------------|------------|
| 320-91681-1 | GESPM072622-138 | Total/NA | Air | Filter to Air | |
| 320-91681-3 | GESPM072622-139 | Total/NA | Air | Filter to Air | |
| 320-91681-5 | GESPM072622-140 | Total/NA | Air | Filter to Air | |
| 320-91681-7 | GESPM072622-141 | Total/NA | Air | Filter to Air | |
| MB 320-615799/9-B | Method Blank | Total/NA | Air | Filter to Air | |
| LCS 320-615799/10-B | Lab Control Sample | Total/NA | Air | Filter to Air | |
| LCSD 320-615799/11-B | Lab Control Sample Dup | Total/NA | Air | Filter to Air | |

Prep Batch: 615829

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 320-91681-1 | GESPM072622-138 | Total/NA | Air | 3050B | 615799 |
| 320-91681-3 | GESPM072622-139 | Total/NA | Air | 3050B | 615799 |
| 320-91681-5 | GESPM072622-140 | Total/NA | Air | 3050B | 615799 |
| 320-91681-7 | GESPM072622-141 | Total/NA | Air | 3050B | 615799 |
| MB 320-615799/9-B | Method Blank | Total/NA | Air | 3050B | 615799 |
| LCS 320-615799/10-B | Lab Control Sample | Total/NA | Air | 3050B | 615799 |
| LCSD 320-615799/11-B | Lab Control Sample Dup | Total/NA | Air | 3050B | 615799 |

Analysis Batch: 615873

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|--------|------------|
| 320-91681-1 | GESPM072622-138 | Total/NA | Air | 6020 | 615829 |
| 320-91681-3 | GESPM072622-139 | Total/NA | Air | 6020 | 615829 |
| 320-91681-5 | GESPM072622-140 | Total/NA | Air | 6020 | 615829 |
| 320-91681-7 | GESPM072622-141 | Total/NA | Air | 6020 | 615829 |
| MB 320-615799/9-B | Method Blank | Total/NA | Air | 6020 | 615829 |
| LCS 320-615799/10-B | Lab Control Sample | Total/NA | Air | 6020 | 615829 |
| LCSD 320-615799/11-B | Lab Control Sample Dup | Total/NA | Air | 6020 | 615829 |

General Chemistry

Pre Prep Batch: 615303

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-91681-2 | GESTSP072622-138 | Total/NA | Air | Filter to Air | |
| 320-91681-4 | GESTSP072622-139 | Total/NA | Air | Filter to Air | |
| 320-91681-6 | GESTSP072622-140 | Total/NA | Air | Filter to Air | |
| 320-91681-8 | GESTSP072622-141 | Total/NA | Air | Filter to Air | |

Analysis Batch: 616125

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 320-91681-1 | GESPM072622-138 | Total/NA | Air | PM10 | |
| 320-91681-3 | GESPM072622-139 | Total/NA | Air | PM10 | |
| 320-91681-5 | GESPM072622-140 | Total/NA | Air | PM10 | |
| 320-91681-7 | GESPM072622-141 | Total/NA | Air | PM10 | |

Analysis Batch: 616129

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------------|------------|
| 320-91681-2 | GESTSP072622-138 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91681-4 | GESTSP072622-139 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91681-6 | GESTSP072622-140 | Total/NA | Air | 40CFR50 App B | 615303 |
| 320-91681-8 | GESTSP072622-141 | Total/NA | Air | 40CFR50 App B | 615303 |

Eurofins Sacramento

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Client Sample ID: GESPM072622-138

Lab Sample ID: 320-91681-1

Date Collected: 08/31/22 06:35

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:45 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0461 g | 616125 | 09/07/22 09:17 | | EET SAC |

Client Sample ID: GESTSP072622-138

Lab Sample ID: 320-91681-2

Date Collected: 08/31/22 06:35

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | 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 | | | 616129 | 09/07/22 09:17 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | | EET SAC |

Client Sample ID: GESPM072622-139

Lab Sample ID: 320-91681-3

Date Collected: 08/31/22 06:26

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:48 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0211 g | 616125 | 09/07/22 09:17 | | EET SAC |

Client Sample ID: GESTSP072622-139

Lab Sample ID: 320-91681-4

Date Collected: 08/31/22 06:26

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | 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 | | | 616129 | 09/07/22 09:17 | | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | | EET SAC |

Client Sample ID: GESPM072622-140

Lab Sample ID: 320-91681-5

Date Collected: 09/01/22 06:47

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:51 | | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0442 g | 616125 | 09/07/22 09:17 | | EET SAC |

Lab Chronicle

Client: GES-AIS, LLC
 Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Client Sample ID: GESTSP072622-140

Lab Sample ID: 320-91681-6

Date Collected: 09/01/22 06:47

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | 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 | | | 616129 | 09/07/22 09:17 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | █ | EET SAC |

Client Sample ID: GESPM072622-141

Lab Sample ID: 320-91681-7

Date Collected: 09/01/22 06:39

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|---------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Pre Prep | Filter to Air | | | | | 615799 | 09/11/22 13:04 | █ | EET SAC |
| Total/NA | Prep | 3050B | | | 0.08333 Sample | 100 mL | 615829 | 09/11/22 14:40 | █ | EET SAC |
| Total/NA | Analysis | 6020 | | 1 | | | 615873 | 09/12/22 02:54 | █ | EET SAC |
| Total/NA | Analysis | PM10 | | 1 | 0 g | 0.0468 g | 616125 | 09/07/22 09:17 | █ | EET SAC |

Client Sample ID: GESTSP072622-141

Lab Sample ID: 320-91681-8

Date Collected: 09/01/22 06:39

Matrix: Air

Date Received: 09/02/22 12:00

| Prep Type | 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 | | | 616129 | 09/07/22 09:17 | █ | EET SAC |
| Total/NA | Pre Prep | Filter to Air | | | | | 615303 | 09/08/22 14:26 | █ | EET SAC |

Laboratory References:

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

Accreditation/Certification Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

Laboratory: Eurofins 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 | 01-29-23 |

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 |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

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

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



Sample Summary

Client: GES-AIS, LLC
Project/Site: Hunters Point, Parcel E, Phase 2

Job ID: 320-91681-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 320-91681-1 | GESPM072622-138 | Air | 08/31/22 06:35 | 09/02/22 12:00 |
| 320-91681-2 | GESTSP072622-138 | Air | 08/31/22 06:35 | 09/02/22 12:00 |
| 320-91681-3 | GESPM072622-139 | Air | 08/31/22 06:26 | 09/02/22 12:00 |
| 320-91681-4 | GESTSP072622-139 | Air | 08/31/22 06:26 | 09/02/22 12:00 |
| 320-91681-5 | GESPM072622-140 | Air | 09/01/22 06:47 | 09/02/22 12:00 |
| 320-91681-6 | GESTSP072622-140 | Air | 09/01/22 06:47 | 09/02/22 12:00 |
| 320-91681-7 | GESPM072622-141 | Air | 09/01/22 06:39 | 09/02/22 12:00 |
| 320-91681-8 | GESTSP072622-141 | Air | 09/01/22 06:39 | 09/02/22 12:00 |

- 1
- 2
- 3
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- 11
- 12
- 13
- 14


**CHAIN-OF-CUSTODY
RECORD**

Gilbane Federal
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # KT090122AIRE



| | | |
|--|---|---|
| Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 | Laboratory: EUROFINS ENVIRONMENT TESTING NORTHERN CALIFORNIA, LLC (EETN) | Event: Parcel E Phase 2 Air Monitoring |
| Project Number: J310000400 | POC: [Redacted] | |
| WBS Code: J310000400-016 | Ship to: 880 Riverside Parkway, West Sacramento, CA 95605 | |

| | | | |
|-------------------|---|---|---|
| Comments: | Analytical Test Method CAAIR - Air PM10 N0500 - Air TSP SW6020 - Air Pb Mn Cu | Code Matrix | A Air |
| | | Code Container/Preservative | 1 1x 250-mL Plastic, 4 Degrees C 1 1x Envelope, None |
| Equipment: | |  320-91681 Chain of Custody | |

| Event: Parcel E Phase 2 Air Monitoring | | | | | | | | | | | | | | | |
|--|------------------|------|------------|------------|------------|---|---|--|--|--|-------------|-------------|--------------------------------|--------|----------------------|
| Sample ID | Matrix | Date | Time | Samp Init. | | | | | | | Location ID | Sample Type | Depth (ft bgs) Top - Bottom | Cooler | Comments |
| 1 | GESPM072622-138 | A | 08/31/2022 | 0635 | [Redacted] | X | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 834.09 (M3) |
| 2 | GESTSP072622-138 | A | 08/31/2022 | 0635 | [Redacted] | | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 803.70 (M3) |
| 3 | GESPM072622-139 | A | 08/31/2022 | 0626 | [Redacted] | X | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 835.85 (M3) |
| 4 | GESTSP072622-139 | A | 08/31/2022 | 0626 | [Redacted] | | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 832.61 (M3) |
| 5 | GESPM072622-140 | A | 09/01/2022 | 0647 | [Redacted] | X | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1755.59 (M3) |
| 6 | GESTSP072622-140 | A | 09/01/2022 | 0647 | [Redacted] | | X | | | | AMSE1 | N1 | 0.00 0.00 | 1 | VOLUME: 1677.61 (M3) |
| 7 | GESPM072622-141 | A | 09/01/2022 | 0639 | [Redacted] | X | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1779.16 (M3) |
| 8 | GESTSP072622-141 | A | 09/01/2022 | 0639 | [Redacted] | | X | | | | AMSE2 | N1 | 0.00 0.00 | 1 | VOLUME: 1776.29 (M3) |
| 9 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |

Turnaround Time: 5 days

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time | Shipping Date / Carrier / Airbill Number |
|------------------------------|--------|-------|--------------------------|--------|-------|--|
| [Redacted] | 9/1/22 | 18:00 | Fed Ex | 9/1/22 | 16:00 | Shipping Date: 9/1/2022 FedEx # 7778 0190 1981 |
| | | | [Redacted] | 9-2-22 | 1200 | |
| | | | | | | Received by Laboratory: (Signature, Date, Time) & condition |

21.4°C

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9/12/2022



Login Sample Receipt Checklist

Client: GES-AIS, LLC

Job Number: 320-91681-1

Login Number: 91681

List Source: Eurofins Sacramento

List Number: 1

Creator: [REDACTED]

| Question | Answer | Comment |
|---|--------|------------------------------------|
| Radioactivity wasn't checked or is \leq background as measured by a survey meter. | 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 | 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 | |
| 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 <math><6\text{mm}</math> (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |

