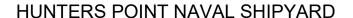


Naval Facilities Engineering Systems Command Southwest BRAC PMO West San Diego, CA

AIR MONITORING SUMMARY REPORT FOR PARCEL E REMEDIAL ACTION PHASE 2



SAN FRANCISCO, CALIFORNIA

May 1st, 2023 through May 31st, 2023

Approved for public release; distribution is unlimited

DCN: GESL-0005-4332-0124



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HUNTERS POINT NAVAL SHIPYARD

SAN FRANCISCO, CALIFORNIA

May 1st, 2023 through May 31st, 2023

DCN: GESL-0005-4332-0124

Prepared for:

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

Prepared by:



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

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Acronyms and Abbreviations

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

1.0 Introduction

This Air Monitoring Summary Report (AMSR) was prepared by GES as requested by the United States Department of the Navy (Navy) under Radiological Environmental Multiple Award Contract N62473-17-D-0005, Contract Task Order (CTO) N6247317F4332. GES 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 GES at HPNS Parcel E from May 1st, 2023 through May 31st, 2023 and compares the results with the established action levels presented in the DMCP (Appendix E of the RAWP [Gilbane, 2019a]).

Air Monitoring Summary Report	
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1.0 Introduction

2.0 Monitoring Site Locations

Air monitoring stations were deployed at one upwind and one downwind location from the work area whenever active soil handling operations were in progress. Based on past meteorological data, the prevalent wind direction at HPNS was from the west or west-southwest. The locations of Parcel E air monitoring stations are presented on **Figure 2-1**.

Air monitoring was performed to estimate and assess the impact of field activities. The locations of air monitoring stations were determined based on the prevailing wind direction and were modified as needed for accessibility and worker safety considerations. Wind direction was monitored daily using a windsock and confirmed with the prevalent wind direction recorded for the APTIM HPNS - KCASANFR1504 published at Weather Underground (www.wunderground.com). If the APTIM station did not have available data, the Bayview Manor - KCASANFR1775 was used.

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

- 1. Asbestos
- 2. Particulate matter less than 10 microns in diameter (PM10)
- 3. Total suspended particulates (TSP) and Metals (Copper, Lead, and Manganese)
- 4. Radiological air samplers

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2.0 Monitoring Site Locations

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

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.

3.3 TSP, Copper, Lead, and Manganese

TSP samples were collected with a high-volume (39 to 60 cubic feet per minute [cfm]) air sampler in accordance with EPA's reference sampling method for TSP, described in 40 CFR 50, Subpart B. Each sample was collected on a filter over 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.

Once the TSP concentration was gravimetrically determined, the filter was analyzed for copper, lead, and manganese, in accordance with EPA Method 6010B (equivalent to IO-3.4 in the Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air [EPA, 1999b])

3.4 Radionuclides of Concern

Radiological air samples were collected on filter media with a LV-1 low-volume air sampler. The air filter concentration is counted onsite following a decay period and are compared with public air concentration limits published in 10 CFR Part 20. Radiological air sampling methods and procedures are detailed in the 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 fibers/cm ³	Cal/OSHA PEL
PM10 ^a	5,000 ug/m ³	Cal/OSHA PEL
		Basewide HPNS Level selected to
TSP	0.5 mg/m ³	minimize overall permissible dust release
		from sites
Copper	1.0 mg/m ³	Cal/OSHA PEL
Lead	0.050 mg/m ³	Cal/OSHA PEL
Manganese	0.200 mg/m ³	Cal/OSHA PEL
Radiological	10% of Effluent	Occupational and public air concentration
	Concentration	limits for ROCs are published in 10 Code of
	Values	Federal Regulations Part 20, Appendix B.

Notes:

^a = 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

fibers/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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	4.0 Air Monitoring Data Interpretation and Action Levels
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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. If the APTIM station did not have available data, the Bayview Manor - KCASANFR1775 was used.

Air Monitoring Data was collected from Station 1 in Parcel E (MSE01) and Station 2 in Parcel D-1 (MSE02) from May 1st, 2023, through May 31st, 2023, during which GES was excavating, grading, and maintaining radiological screening yard pads, 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 May 1st, 2023, through May 31st, 2023, did not result in the exceedance of the established threshold criteria, as described in detail below.

Asbestos results from May 1st, 2023, through May 31st, 2023, did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 2**.

PM10 results from May 1st, 2023, through May 31st, 2023, did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 3**

TSP, copper, lead, and manganese, results from May 1st, 2023, through May 31st, 2023, did not exceed the threshold criteria presented in **Table 4-1**. The results are presented in **Attachment 4** and **Attachment 5**.

Radiological air sampling results from May 1st, 2023, through May 31st, 2023, did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 6**.

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

Air Monitoring Summary Report
Parcel E Phase 2 Remedial Action
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5.0 Air Monitoring Results

6.0 References

- Department of Toxic Substances Control (DTSC), 2017. Draft Technical Memorandum: Dust Action Levels for Parcel E, Hunters Point. May.
- National Institute for Occupational Safety and Health, (NIOSH), 1994. Manual of Analytical Methods.
- United States Environmental Protection Agency (EPA), 1999a. Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Specific Methods.
- EPA, 1999b. Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air.
- Gilbane Federal, 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.

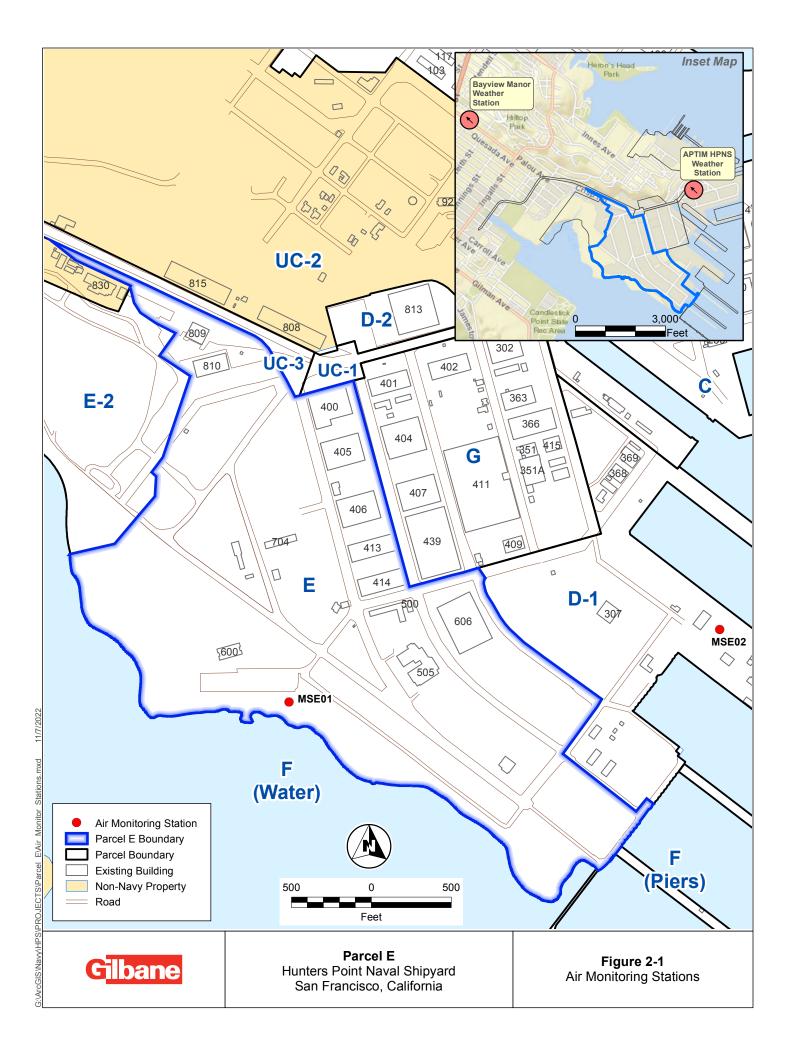
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6.0 References

Figures

FIGURES

Figures



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

Attachment 1

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

Start Date	Ambient Pressure (in Hg)	mbient Pressure Ambient Temperature (in Hg) (°F)			
5/01/2023 ¹	29.88	52.23	WSW		
5/02/2023 ¹	29.89	52.44	ESE		
5/04/2023 ¹	29.96	55.14	SW		
5/08/2023 ¹	30.16	55.90	WSW		
5/09/2023 ¹	30.09	56.20	W		
5/10/2023 ¹	30.17	54.84	WSW		
5/11/2023 ¹	30.17	56.05	SW		
5/15/2023 ²	30.07	56.32	W		
5/16/2023 ²	30.00	55.53	WSW		
5/17/2023 ¹	30.02	54.97	WSW		
5/18/2023 ²	30.05	54.42	WSW		
5/22/2023 ²	29.88	56.07	SW		
5/23/2023 ²	29.87	55.59	SW		
5/24/2023 ²	29.89	54.73	SW		
5/25/2023 ²	29.88	55.85	SW		
5/30/2023 ¹	30.04	57.10	SW		

Notes:

¹Data collected using wunderground.com from APTIM HPNS Station - KCASANFR1504

 $^2\mbox{Data}$ collected using wunderground.com from Bayview Manor - KCASANFR1775

°F = degree Fareheit

in Hg = inches of mercury

E = East

N = North

S = South

W = West

ATTACHMENT 2 ASBESTOS MONITORING RESULTS

Attachment 2: 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/cm³)	Exceedance (Yes/No)	
MSE01-050123	05/01/23	1	553	1106	12.0	0.005	No	
MSE02-050123	05/01/23	2	553	1106	17.0	0.008	No	
MSE01-050223	05/02/23	1	560	1120	24.0	0.011	No	
MSE02-050223	05/02/23	2	567	1134	11.0	0.005	No	
MSE01-050423	05/04/23	1	553	1106	24.5	0.011	No	
MSE02-050423	05/04/23	2	568	1136	18.5	0.008	No	
MSE01-050823	05/08/23	1	568	1136	17.5	0.008	No	
MSE02-050823	05/08/23	2	566	1132	17.5	0.008	No	
MSE01-050923	05/09/23	1	549	1098	21.5	0.010	No	
MSE02-050923	05/09/23	2	560	1120	16.0	0.007	No	
MSE01-051023	05/10/23	1	535	1070	20.5	0.009	No	
MSE02-051023	05/10/23	2	549	1098	18.5	0.008	No	
MSE01-051123	05/11/23	1	512	1024	20.5	0.010	No	
MSE02-051123	05/11/23	2	537	1074	20.0	0.009	No	
MSE01-051523	05/15/23	1	543	1086	11.5	0.005	No	
MSE02-051523	05/15/23	2	558	1116	11.0	0.005	No	
MSE01-051623	05/16/23	1	572	1144	12.5	0.005	No	
MSE02-051623	05/16/23	2	592	1184	14.0	0.006	No	
MSE01-051723	05/17/23	1	554	1108	16.0	0.007	No	
MSE02-051723	05/17/23	2	582	1164	20.0	0.008	No	
MSE01-051823	05/18/23	1	440	880	17.5	0.010	No	
MSE02-051823	05/18/23	2	436	872	12.0	0.007	No	
MSE01-052223	05/22/23	1	551	1102	15.5	0.007	No	
MSE02-052223	05/22/23	2	565	1130	13.0	0.006	No	
MSE01-052323	05/23/23	1	558	1116	16.0	0.007	No	
MSE02-052323	05/23/23	2	558	1116	16.0	0.007	No	
MSE01-052423	05/24/23	1	561	1122	20.5	0.009	No	
MSE02-052423	05/24/23	2	573	1146	10.0	0.004	No	
MSE01-052523	05/25/23	1	513	1026	22.5	0.011	No	
MSE02-052523	05/25/23	2	511	1022	21.5	0.010	No	
MSE01-053023	05/30/23	1	557	1114	26.0	0.011	No	
MSE02-053023	05/30/23	2	553	1106	19.0	0.008	No	
MSE01-053123	05/31/23	1	567	1134	22.5	0.010	No	
MSE02-053123	05/31/23	2	580	1160	14.0	0.006	No	

Notes:

¹Sample "start" date indicates the date upon which sample collection began. Samples analyzed by A&B Labs

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

Attachment 3

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

Sample, Date and Station Information			Sampler Run Information	PM10						
Sample ID	Monitoring Station	Sample End Date ¹	Total Air Volume Monitored (m³)	Concen-tration in Air (mg/m³)	Delta between Downwind and Upwind (mg/m³)	Delta between Downwind and Upwind (ug/m³)	Cal/OSHA PEL (ug/m³)	Exceedance (Yes/No)	HERO Action Level ³ (ug/m³)	Exceedance (Yes/No)
PM021523-44	1	05/02/23	1742.38	0.02949988						
PM021523-46	2	05/02/23	1766.31	0.01007751	-0.0194	-19.4	5,000	No	50	No
PM021523-48	1	05/03/23	1667.68	0.0095342						
PM021523-50	2	05/03/23	1754.82	0.00472983	-0.0048	-4.8	5,000	No	50	No
PM021723-06	1	05/04/23	661.80	0.00891508						
PM021723-08	2	05/04/23	690.56	0.00622683	-0.0027	-2.7	5,000	No	50	No
PM031423-15	1	05/09/23	1757.14	0.01621954						
PM031423-17	2	05/09/23	1787.37	0.0105742	-0.0056	-5.6	5,000	No	50	No
PM031423-19	1	05/10/23	1751.53	0.02420741						
PM031423-21	2	05/10/23	1777.73	0.00961901	-0.0146	-14.6	5,000	No	50	No
PM031423-23	1	05/11/23	1753.74	0.01875991						
PM031423-25	2	05/11/23	1783.33	0.00751403	-0.0112	-11.2	5,000	No	50	No
PM031523-02	1	05/11/23 ¹	603.44	0.0220403						
PM031523-04	2	05/11/23 ¹	637.66	0.01160493	-0.0104	-10.4	5,000	No	50	No
PM021723-10	1	05/16/23	1742.69	0.01210772						
PM031223-01	2	05/16/23	1780.28	0.0061788	-0.0059	-5.9	5,000	No	50	No
PM031523-06	1	5/17/2023 ²	1310.95	0.02311301						
PM031523-08	2	05/17/23	1775.70	0.01024948	-0.0129	-12.9	5,000	No	50	No
PM031523-10	1	05/18/23	1751.39	0.01284694						
PM031523-12	2	05/18/23	1774.57	0.00811464	-0.0047	-4.7	5,000	No	50	No
PM031523-14	1	05/18/23 ¹	430.73	0.00998305						
PM031523-16	2	05/18/23 ¹	535.95	0.00634388	-0.0036	-3.6	5,000	No	50	No
PM031523-36	1	05/23/23	1757.59	0.03379628						
PM031523-38	2	05/23/23	1791.15	0.03014823	-0.0036	-3.6	5,000	No	50	No
PM031523-40	1	5/24/2023 ²	958.87	0.02742812						
PM031523-42	2	05/24/23	1785.74	0.02643162	-0.0010	-1.0	5,000	No	50	No
PM031523-44	1	05/25/23	1747.74	0.0249465						
PM031523-46	2	05/25/23	1772.48	0.01517648	-0.0098	-9.8	5,000	No	50	No
PM031423-48	1	05/25/23 ¹	611.03	0.01898434						
PM031523-50	2	05/25/23 ¹	606.24	0.00923727	-0.0097	-9.7	5,000	No	50	No
PM031223-20	1	05/31/23	1759.47	0.01028719						
PM031223-22	2	05/31/23	1780.42	0.00606598	-0.0042	-4.2	5,000	No	50	No

Notes:

¹Air 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.

⁴Prevalent wind direction counter to normal conditions. Usual upwind and downwind stations reversed for this calculation.

Samples analyzed by Eurofins Analytics

Sample locations are shown on Figure 2-1

min = minutes

Cal/OSHA = California Division of Occupational Safety and Health

HERO = Human and Ecological Risk Office

² Generator malfunction

ATTACHMENT 4 TOTAL SUSPENDED PARTICULATES MONITORING RESULTS

Attachment 4

Attachment 4: Total Suspended Particulates Monitoring Results

Sample, Date and Sta	Sampler Run Information	Total Suspended Particulates					
Sample ID	Monitoring Station	Sample End Date ¹	Total Air Volume Monitored (m³)	Concentration in Air (mg/m³)	Delta between Downwind and Upwind (mg/m³)	Basewide HPNS Level (mg/m³)	Exceedance (Yes/No)
TSP021523-45	1	05/02/23	1655.00	0.0628			
TSP021523-47	2	05/02/23	1775.50	0.0222	-0.0406	0.5	No
TSP021523-49	1	05/03/23	1580.17	0.0224			
TSP021523-51	2	05/03/23	1762.96	0.008	-0.014	0.5	No
TSP021723-07	1	05/04/23	629.37	0.0168			
TSP021723-09	2	05/04/23	693.25	0.00909	-0.008	0.5	No
TSP031423-16	1	05/09/23	1668.90	0.0292			
TSP031423-18	2	05/09/23	1783.53	0.0157	-0.0135	0.5	No
TSP031423-20	1	05/10/23	1661.14	0.046			
TSP031423-22	2	05/10/23	1783.42	0.0182	-0.028	0.5	No
TSP031423-24	1	05/11/23	1665.51	0.042			
TSP031523-01	2	05/11/23	1781.39	0.0138	-0.028	0.5	No
TSP031523-03	1	05/11/23 ¹	572.90	0.0503			
TSP031523-05	2	05/11/23 ¹	638.31	0.021	-0.029	0.5	No
TSP021723-11	1	05/16/23	1648.88	0.0282			
TSP031223-02	2	05/16/23	1789.32	0.0163	-0.0119	0.5	No
TSP031523-07	1	05/17/23	1242.82	0.0518			
TSP031523-09	2	05/17/23	1778.52	0.0206	-0.031	0.5	No
TSP031523-11	1	05/18/23	1655.24	0.0328			
TSP031523-13	2	05/18/23	1778.09	0.0163	-0.0165	0.5	No
TSP031523-15	1	05/18/23 ¹	500.14	0.0184			
TSP031523-17	2	05/18/23 ¹	532.98	< 0.00188	-0.0165	0.5	No
TSP031523-37	1	05/23/23	1660.62	0.0573			
TSP031523-39	2	05/23/23	1788.49	0.0503	-0.0070	0.5	No
TSP031523-41	1	5/24/2023 ²	907.11	0.0454			
TSP031523-43	2	05/24/23	1784.53	0.041	-0.004	0.5	No
TSP031523-45	1	05/25/23	1656.57	0.0522			
TSP031523-47	2	05/25/23	1773.93	0.0225	-0.0297	0.5	No
TSP031523-49	1	05/25/23 ¹	576.84	0.0444			
TSP031223-19	2	05/25/23 ¹	605.78	0.0137	-0.031	0.5	No
TSP031223-21	1	05/31/23	1664.40	0.0248			
TSP031223-23	2	05/31/23	1786.42	0.0116	-0.0132	0.5	No

Notes:

Samples analyzed by Eurofins Analytics

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

¹Air sample was taken down during the afternoon after field activities ceased.

² Generator malfunction

³Prevalent wind direction counter to normal conditions. Usual upwind and downwind stations reversed for this calculation.

ATTACHMENT 5 COPPER, LEAD, AND MANGANESE MONITORING RESULTS

Attachment 5

Attachment 5: 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 (m³)	Concentration in Air (mg/m³)	Exceedance (Yes/No)	Concentration in Air (mg/m³)	Exceedance (Yes/No)	Concentration in Air (mg/m³)	Exceedance (Yes/No)
TSP021523-45	1	05/02/23	1655.00	0.00020423	No	0.00001462	No	< 0.00005921	No
TSP021523-47	2	05/02/23	1775.50	< 0.0000552	No	< 0.00000789	No	< 0.0000552	No
TSP021523-49	1	05/03/23	1580.17	0.00043476	No	0.00000924	No	< 0.00006202	No
TSP021523-51	2	05/03/23	1762.96	0.00012819	No	< 0.00000794	No	< 0.00005559	No
TSP021723-07	1	05/04/23	629.37	0.00057518	No	< 0.00002224	No	< 0.00015571	No
TSP021723-09	2	05/04/23	693.25	0.00015579	No	< 0.00002019	No	< 0.00014136	No
TSP031423-16	1	05/09/23	1668.90	0.00044041	No	< 0.00000839	No	< 0.00005872	No
TSP031423-18	2	05/09/23	1783.53	0.00008186	No	< 0.00000785	No	< 0.00005495	No
TSP031423-20	1	05/10/23	1661.14	0.00019625	No	0.00001138	No	< 0.000059	No
TSP031423-22	2	05/10/23	1783.42	< 0.00005495	No	< 0.00000785	No	< 0.00005495	No
TSP031423-24	1	05/11/23	1665.51	0.00024617	No	0.00001117	No	< 0.00005884	No
TSP031523-01	2	05/11/23	1781.39	< 0.00005501	No	< 0.00000786	No	< 0.00005501	No
TSP031523-03	1	05/11/23 ¹	572.90	0.0004678	No	< 0.00002444	No	< 0.00017106	No
TSP031523-05	2	05/11/23 ¹	638.31	< 0.00015353	No	< 0.00002193	No	< 0.00015353	No
TSP021723-11	1	05/16/23	1648.88	0.00058895	No	< 0.00000849	No	< 0.00005943	No
TSP031223-02	2	05/16/23	1789.32	0.00011077	No	< 0.00000782	No	< 0.00005477	No
TSP031523-07	1	05/17/23	1242.82	0.00058802	No	0.0000123	No	< 0.00007885	No
TSP031523-09	2	05/17/23	1778.52	0.00011453	No	< 0.00000787	No	< 0.0000551	No
TSP031523-11	1	05/18/23	1655.24	0.00056705	No	< 0.00000846	No	< 0.00005921	No
TSP031523-13	2	05/18/23	1778.09	< 0.00005512	No	< 0.00000787	No	< 0.00005512	No
TSP031523-15	1	05/18/23 ¹	500.14	0.00022214	No	< 0.00002799	No	< 0.00019595	No
TSP031523-17	2	05/18/23 ¹	532.98	< 0.00018387	No	< 0.00002627	No	< 0.00018387	No
TSP031523-37	1	05/23/23	1660.62	0.00026195	No	0.00001873	No	< 0.00005901	No
TSP031523-39	2	05/23/23	1788.49	0.00009785	No	0.00001375	No	< 0.00005479	No
TSP031523-41	1	5/24/2023 ²	907.11	0.00032521	No	0.00002569	No	< 0.00010804	No
TSP031523-43	2	05/24/23	1784.53	< 0.00005492	No	0.00001244	No	< 0.00005492	No
TSP031523-45	1	05/25/23	1656.57	0.00032356	No	0.00001956	No	< 0.00005916	No
TSP031523-47	2	05/25/23	1773.93	0.00006088	No	0.00001156	No	< 0.00005524	No
TSP031523-49	1	05/25/23 ¹	576.84	0.00044206	No	0.00004733	No	< 0.00016989	No
TSP031223-19	2	05/25/23 ¹	605.78	< 0.00016177	No	0.00003269	No	< 0.00016177	No
TSP031223-21	1	05/31/23	1664.40	0.0002956	No	< 0.00000841	No	< 0.00005888	No
TSP031223-23	2	05/31/23	1786.42	< 0.00005486	No	< 0.00000784	No	< 0.00005486	No

² Generator malfunction Samples analyzed by Eurofins Analytics

Sample locations are shown on Figure 2-1

Notes:

¹Air sample was taken down during the afternoon after field activities ceased.

ATTACHMENT 6 AIR SAMPLING RESULTS – PUBLIC EXPOSURE MONITORING

Attachment 6



AIR SAMPLE RESULTS - PUBLIC EXPOSURE MONITORING

							Effluent Air Concentration					Color Codes						<u> </u>					
					roject Inform	nation					Effluent	t Air Con	centration		Sa	mpling Per	iod			Colo	r Codes		
Contract /	Task Order N		oject Title				GES Project Nun	nber:					Alpha	Beta		amples colle					ent Conc (i.		
N62473	3-17-D-0005 /	F4332 H	IPNS Parc	cel E Pha	ase 2 RA / Sa	n Francisco, CA	J3	10000400				ionuclide	Ra-226	Sr-90	between	01 May 20	23		Value > 0	0.1 x Efflue	ent Conc (i.	e., > 10%)	
			Inform	nation ef	fective as of:	13 Jun 2023				Ef	fluent Conc	(μCi/ml)	9.E-13	6.E-12	and	31 May 20	23		Value	> Effluent	Conc (i.e.,	> 100%)	
					Sample Colle	ction							Count	Informatio	n				Sample	Results		Init	tials
Sample	Sample	Sample	е	Equip	Ave Flow	Start	End	Elapsed	Volume	Inst	Count	Time	Counting	Gross	Activity	Net	dpm	Activity	(µCi/ml)	Effluent	Conc (%)	Count	Data
Number	Туре	Locatio	on _	No	Rate (Ipm)	Day Time	Date Time	Time (min)	(ml)	No	Date	(min)	Units	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Tech	Reviewer
AS-0841	Perimeter	MSE-0		PE15	50	5/1/23 6:45	5/1/23 15:35	530	2.6E+07	В	05/08/23	1	cpm	0.05	5.05	-0.2	8.3	N/A	1.4E-13	N/A	2.3%	DFB	BCS
AS-0842	Perimeter	MSE-0)2	PE16	50	5/1/23 6:47	5/1/23 15:33	526	2.6E+07	В	05/08/23	1	cpm	0.10	3.70	0.0	4.3	0.0E+00	7.4E-14	0.0%	1.2%	DFB	BCS
AS-0843	Perimeter	MSE-0	22 51	PE15	50	5/2/23 6:39	5/2/23 16:00	561	2.8E+07	В	05/08/23	1	cpm	0.10	4.00	0.0	5.2	0.0E+00	8.4E-14	0.0%	1.4%	DFB	BCS
AS-0844	Perimeter	MSE-0)2	PE16	50	5/2/23 6:47	5/2/23 15:50	543	2.7E+07	В	05/08/23	1	cpm	0.20	3.15	0.3	2.8	5.6E-15	4.6E-14	0.6%	0.8%	DFB	BCS
AS-0845	Perimeter	MSE-0	01	PE15	50	5/4/23 6:48	5/4/23 15:50	542	2.7E+07	В	05/08/23	1	cpm	0.35	3.40	0.8	3.5	1.4E-14	5.8E-14	1.6%	1.0%	DFB	BCS
AS-0846	Perimeter	MSE-0		PE16	50	5/4/23 6:54	5/4/23 15:47	533	2.7E+07	В	05/08/23	1	cpm	0.30	3.95	0.7	5.1	1.1E-14	8.6E-14	1.3%	1.4%	DFB	BCS
AS-0847	Perimeter	MSE-0		PE15	50	5/8/23 4:45	5/8/23 16:10	685	3.4E+07	В	05/15/23	1	cpm	0.15	4.55	0.2	6.8	2.2E-15	9.0E-14	0.2%	1.5%	DFB	BCS
AS-0848	Perimeter	MSE-0)2	PE16	50	5/8/23 5:00	5/8/23 16:06	666	3.3E+07	В	05/15/23	1	cpm	0.15	4.10	0.2	5.5	2.3E-15	7.4E-14	0.3%	1.2%	DFB	BCS
AS-0849	Perimeter	MSE-0)1	PE15	50	5/9/23 4:45	5/9/23 15:50	665	3.3E+07	В	05/15/23	1	cpm	0.15	4.00	0.2	5.2	2.3E-15	7.1E-14	0.3%	1.2%	DFB	BCS
AS-0850	Perimeter	MSE-0)2	PE16	50	5/9/23 4:55	5/9/23 15:45	650	3.3E+07	В	05/15/23	1	cpm	0.05	4.25	-0.2	5.9	N/A	8.2E-14	N/A	1.4%	DFB	BCS
AS-0851	Perimeter	MSE-0)1	PE15	50	5/10/23 4:45	5/10/23 15:32	647	3.2E+07	В	05/15/23	1	cpm	0.30	3.10	0.7	2.6	9.4E-15	3.6E-14	1.0%	0.6%	DFB	BCS
AS-0852	Perimeter	MSE-0)2	PE16	50	5/10/23 4:35	5/10/23 15:25	650	3.3E+07	В	05/15/23	1	cpm	0.10	3.70	0.0	4.3	0.0E+00	6.0E-14	0.0%	1.0%	DFB	BCS
AS-0853	Perimeter	MSE-0	01	PE15	50	5/11/23 4:45	5/11/23 15:18	633	3.2E+07	В	05/15/23	1	cpm	0.10	3.60	0.0	4.1	0.0E+00	5.8E-14	0.0%	1.0%	DFB	BCS
AS-0854	Perimeter	MSE02		PE16	50	5/11/23 4:35	5/11/23 15:06	631	3.2E+07	В	05/15/23	1	cpm	0.10	3.90	0.0	4.9	0.0E+00	7.0E-14	0.0%	1.2%	DFB	BCS
AS-0855	Perimeter	MSE-0	01	PE15	50	5/15/23 6:45	5/15/23 15:48	543	2.7E+07	В	05/22/23	1	cpm	0.40	3.85	1.0	4.8	1.7E-14	7.9E-14	1.9%	1.3%	JSV	BCS
AS-0856	Perimeter	MSE-0)2	PE16	50	5/15/23 6:52	5/15/23 15:43	531	2.7E+07	В	05/22/23	1	cpm	0.10	3.90	0.0	4.9	0.0E+00	8.4E-14	0.0%	1.4%	JSV	BCS
AS-0857	Perimeter	MSE-0		PE15	50	5/16/23 6:38	5/16/23 15:32	534	2.7E+07	В	05/22/23	1	cpm	0.20	4.10	0.3	5.5	5.7E-15	9.3E-14	0.6%	1.5%	JSV	BCS
AS-0858	Perimeter	MSE-0)2	PE16	50	5/16/23 6:43	5/16/23 15:40	537	2.7E+07	В	05/22/23	1	cpm	0.10	4.80	0.0	7.5	0.0E+00	1.3E-13	0.0%	2.1%	JSV	BCS
AS-0859	Perimeter	MSE-0	01	PE15	50	5/17/23 6:40	5/17/23 16:05	565	2.8E+07	В	05/22/23	1	cpm	0.15	4.30	0.2	6.1	2.7E-15	9.7E-14	0.3%	1.6%	JSV	BCS
AS-0860	Perimeter	MSE-0)2	PE16	50	5/17/23 6:45	5/17/23 16:00	555	2.8E+07	В	05/22/23	1	cpm	0.20	4.05	0.3	5.4	5.5E-15	8.7E-14	0.6%	1.5%	JSV	BCS
AS-0861	Perimeter	MSE-0	01	PE15	50	5/18/23 6:50	5/18/23 13:53	423	2.1E+07	В	05/22/23	1	cpm	0.25	4.15	0.5	5.7	1.1E-14	1.2E-13	1.2%	2.0%	JSV	BCS
AS-0862	Perimeter	MSE-0)2	PE16	50	5/18/23 6:55	5/18/23 14:05	430	2.1E+07	В	05/22/23	1	cpm	0.10	4.25	0.0	5.9	0.0E+00	1.2E-13	0.0%	2.1%	JSV	BCS
AS-0863	Perimeter	MSE-0)1	PE15	50	5/22/23 6:47	5/22/23 15:51	544	2.7E+07	В	05/30/23	1	cpm	0.10	4.45	0.0	6.5	0.0E+00	1.1E-13	0.0%	1.8%	DFB	BCS
AS-0864	Perimeter	MSE-0		PE16	50	5/22/23 6:52	5/22/23 15:47	535	2.7E+07	В	05/30/23	1	cpm	0.20	4.70	0.3	7.2	5.7E-15	1.2E-13	0.6%	2.0%	DFB	BCS
AS-0865	Perimeter	MSE-0		PE15	50	5/23/23 6:53	5/23/23 15:56	543	2.7E+07	В	05/30/23	1	cpm	0.05	3.20	-0.2	2.9	N/A	4.8E-14	N/A	0.8%	DFB	BCS
AS-0866	Perimeter	MSE-0	(44)	PE16	50	5/23/23 6:58	5/23/23 15:51	533	2.7E+07	В	05/30/23	1	cpm	0.00	3.60	-0.3	4.1	N/A	6.9E-14	N/A	1.1%	DFB	BCS
AS-0867	Perimeter	MSE-0		PE15	50	5/24/23 6:44	5/24/23 16:04	560	2.8E+07	В	05/30/23	1	cpm	0.15	4.65	0.2	7.1	2.7E-15	1.1E-13	0.3%	1.9%	DFB	BCS
AS-0868	Perimeter	MSE-0		PE16	50	5/24/23 6:50	5/24/23 15:59	549	2.7E+07	В	05/30/23	1	cpm	0.25	3.05	0.5	2.5	8.3E-15	4.0E-14	0.9%	0.7%	DFB	BCS
AS-0869	Perimeter	MSE-0		PE15	50	5/25/23 6:45	5/25/23 15:26	521	2.6E+07	В	05/30/23	1 .	cpm	0.10	4.55	0.0	6.8	0.0E+00	1.2E-13	0.0%	2.0%	DFB	BCS
AS-0870	Perimeter	MSE-0)2	PE16	50	5/25/23 6:56	5/25/23 15:15	499	2.5E+07	В	05/30/23	1	cpm	0.40	3.75	1.0	4.5	1.8E-14	8.1E-14	2.0%	1.4%	DFB	BCS
AS-0871	Perimeter	MSE-0	01	PE15	50	5/30/23 6:50	5/30/23 16:02	552	2.8E+07	В	06/05/23	1	cpm	0.15	4.55	0.2	6.8	2.7E-15	1.1E-13	0.3%	1.9%	DFB	BCS
AS-0872	Perimeter	MSE-0)2	PE16	50	5/30/23 7:00	5/30/23 16:02	542	2.7E+07	В	06/05/23	1	cpm	0.15	3.65	0.2	4.2	2.8E-15	7.0E-14	0.3%	1.2%	DFB	BCS
AS-0873	Perimeter	MSE-0)1	PE15	50	5/31/23 5:45	5/31/23 16:10	625	3.1E+07	В	06/05/23	1	cpm	0.20	4.15	0.3	5.7	4.9E-15	8.1E-14	0.5%	1.4%	DFB	BCS
AS-0874	Perimeter	MSE-0)2	PE16	50	5/31/23 6:45	5/31/23 16:00	555	2.8E+07	В	06/05/23	1	cpm	0.05	4.95	-0.2	8.0	N/A	1.3E-13	N/A	2.2%	DFB	BCS

RP 05-2 (Jul 2022)

ATTACHMENT 7 LABORATORY REPORTS

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Laboratory Analysis Report

Job ID: 23051135



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

Client Project Name:

J310000400 / Hunters Point Shipyard, Parcel E RA Phase II

Report To: Client Name: GES - ASRC Industrial Total Number of Pages: 9

Attn: P.O.#.: J310000400-0015

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 05/10/2023 09:34

City, State, Zip: Tempe, Arizona, 85282 Sample Collected By :

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

Client Sample ID	Sample Collection Date & Time	Matrix	A&B Job Sample ID
MSE01-050123	5/1/2023 15:46	Cassette	23051135.01
MSE02-050123	5/1/2023 15:40	Cassette	23051135.02
MSE01-050223	5/2/2023 16:01	Cassette	23051135.03
MSE02-050223	5/2/2023 15:56	Cassette	23051135.04
MSE01-050423	5/4/2023 15:48	Cassette	23051135.05
MSE02-050423	5/4/2023 15:57	Cassette	23051135.06

Released By:		Analyst:	
Title	Senior Project Manager		

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

ab-q210-0321

REVISED 5/19/2023

Laboratory Report: Case Narrative



A&B Job ID: 23051135 Date: 05/19/23

Client Name:	GES - ASRC Industrial	Attn:	

Project Name: J310000400 / Hunters Point Shipyard, Parcel E RA Phase II

Date Received: 05/10/23

Collected By:

REVISED REPORT - The attached report was revised for the chain of custody per client email.

All data reported in this analytical report is in compliance with NELAC standards unless otherwise noted in the sample receipt checklist or case narrative. Any other exceptions associated with this report will be qualified in the analytical result page(s) and/or the quality control summary page(s). Data qualifiers are defined in the Term and Qualifier Definition Report page.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random, unless specified by client, from an analytical batch of "like" matrix to check for possible matrix effects. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory.

Some of the MS/MSD percent recoveries and RPDs on the QC report may be different than the calculated recoveries and RPDs using the sample result and the MS/MSD results listed on the report because the actual raw result is used to perform the calculations for percent recovery and RPD.

The results contained in this report are only representative of the samples received. A&B Labs is not responsible for use or interpretation of the data results included herein.

Please do not hesitate to contact us with any questions or concerns regarding your laboratory report. A&B Labs is pleased to be of service to you and we look forward to fulfilling all of your future analytical needs.

Released By:

Title: Senior Project Manager

ab

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 5/19/2023

Job ID: 23051135

Analytical Method: NIOSH 7400-I3-June2019

Client: GES - A	ASRC Industrial		Project: J31	0000400 / H	lunters P	oint Shipy	ard, Parcel E	RA Phase	II		ı	Attn:			
A&B Sample ID	Client Sample ID	Collected Date	Area/Person	Flow Rate L/m	Time On	Time Off	Total Time (min)	Volume (Liters)	Total Fields	Total Fibers	F/mm2	Fiber/cc	8 Hour TWA	Analysis Date	Analyzed By
23051135.01	MSE01-050123	05/01/2023	Area	2			553	1106	100	12	15.287	0.005		05/17/23	
23051135.02	MSE02-050123	05/01/2023	Area	2			553	1106	100	17.0	21.656	0.008		05/17/23	
23051135.03	MSE01-050223	05/02/2023	Area	2			560	1120	100	24.0	30 . 573	0.011		05/17/23	
23051135.04	MSE02-050223	05/02/2023	Area	2			567	1134	100	11	14.013	0.005		05/17/23	
23051135.05	MSE01-050423	05/04/2023	Area	2			553	1106	100	24.5	31.210	0.011		05/17/23	
23051135.06	MSE02-050423	05/04/2023	Area	2			568	1136	100	18.5	23.567	0.008		05/17/23	

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

<u>Sr Value</u>

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

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload, Unable To Read



Sample Condition Checklist

Α&	B JobID : 23051135	Date Received: 05/10/2023 Tin	ne Received: 9:3	34AM		
Clie	ent Name : GES - ASRC Industrial	,				
Ter	nperature : 20.3°C	Sample pH: NA				
The	ermometer ID : IR4	pH Paper ID : NA				
Pe	rservative :				ı	
		Check Points		Yes	No	N/A
1.	Cooler Seal present and signed.			Х		
2.	Sample(s) in a cooler.				Х	
3.	If yes, ice in cooler.					Х
4.	Sample(s) received with chain-of-cust	ody.		Х		
5.	C-O-C signed and dated.			Х		
6.	Sample(s) received with signed sample	e custody seal.			Χ	
7.	Sample containers arrived intact. (If N	o comment)		х		
8.	Water Soil Liquid Sli Matrix:	udge Solid Cassette Tube Bulk Badge	Food Other			
9.	Samples were received in appropriate	container(s)		х		
10.	Sample(s) were received with Proper p	preservative				Х
11.	All samples were tagged or labeled.			Х		
12.	Sample ID labels match C-O-C ID's.				Х	
13.	Bottle count on C-O-C matches bottles	found.		Х		
14.	Sample volume is sufficient for analyse	es requested.		Х		
15.	Samples were received with in the hole	d time.		Х		
16.	VOA vials completely filled.					Х
17.	Sample accepted.			Х		
18.	Has client been contacted about sub-o	ut				Х
	nments : Include actions taken to resol	ve discrepancies/problem: received in a box wi <u>th a</u> custody seal. Black Cassettes. Sar		not ma	tch CO	
	ple 05 shows "MSE01-050423" & 06 shows		TIPIC 03 & 00 12 3 40	not ma	ten co	- ,
Re	ceived by :	Check in by/date :	05/10/2023			
					ab-s00	5-0321

Phone: 713-453-6060 www.ablabs.com

t Name: Hunters Point 3	hipyard, Parce	el E RA Phase II	ß —		Laborat	tory: A&	B Labs									Event: Parc	el E Asbestos
t Number: J310000400					POC:												
Code: J310000400					Ship to:	10100	East Fw	/ Ste. 1	00 Hous	ston T	X 77029						
ob ID:230		5 		Analytical Test Method	Asbestos						Code Cont	Quality Container/Preservativ	ve				Page I of 4
ment: event: Parcel E Asbestos				Ang	1			100			- H		- 12 m - 1 = 1	TA:			
ample ID	Matrix	Date	Time	Samp Init.							Loca	ation ID	Sample Type	200	pth (ft bgs) p - Bottom	Cooler	Comments
SE01-050123	А	05/01/2023	1546		×						M	SE01	N1	0.00	0.00	1	OIA
SE02-050123	А	05/01/2023	1540		х	П					M	SE02	N1	0.00	0.00	1	024
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oject Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Labora	tory: Al	&B Labs									Event: Par	rcel E Asbestos
oject Number: J310000400					POC												
3S Code: J310000400					Ship to	: 10100	East F	wy Ste. 1	100 Hous	ton TX 7	7029						
mments:				thod	Asbestos												Page 2 o
juipment:	20			Analytical Test Method	Asbe					Table 1	1 Filte	r/No Preservativ	es				
Event: Parcel E Asbestos					1												
Sample ID	Matrix	Date	Time	Samp							Loc	ation ID	Sample		epth (ft bgs)	Cooler	Comments
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Gilbane Federal 1655 Grant Street, Suite 1 oncord, CA 94520 COC ID # 050923ASBE



	pject Name: Hunters		rd, Parce	I E RA Phase II				ratory:	A&B L	abs									Event: Parc	el E Asbestos	
	oject Number: J3100						POC														
WE	SS Code: J31000040	0	*				Ship	to: 101	00 Eas	st Fwy S	Ste. 100 H	louston	TX 7702	9							
Co	mments:												Code		ix					Page 3 o	of 4
							11						A	Air]		
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						Po	so														
						Weth	Asbestos						Code		ner/Preservati	(DAS)					
						Analytical Test Method	A				- 1 1		1	Filter/I	lo Preservative	85					
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Eq	uipment.					Ana															
V	Event: Parcel E As	bestos		S. E. V.		4 10	1				100		N. Contract	Sill !							31
	Comple ID		Matrix	Date	Time	Samp									ion ID	Sample	De	epth (ft bgs)	01	0	
	Sample ID		Matrix	05/04/2023	Time	Init.								Locat	ion ID	Туре	To	p - Bottom	Cooler	Comments	
1	MSE01-050323	MSE01+050423	Α	05/03/2023	1548		×							MS	E01	N1	0.00	0.00	1	OSA	_
2	MSE02-050323	MSE02-050423	Α	05/03/2023	1557		×							MS	E02	N1	0.00	0.00	1	DUA	
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COC ID # ___050923ASBE

Project Name: Hunters	Point Shipyar	d, Parcel E RA	Phase II	Event: Parcel E Asbestos
Project Number: J3100	000400			
WBS Code: J31000040	1 T			
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)	
MSE01-050123	1-May	15:46	2; 553	
MSE02-050123	1-May	15:40	2; 553	
MSE01-050223	2-May	16:01	2; 560	
MSE02-050223	2-May	15:56	2; 567	
MSE01-050423	4-May	15:48	2; 553	
MASEON DEDANS	4-0434	15.57	2: 568	



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Laboratory Analysis Report

Job ID: 23051992



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

Client Project Name:

J310000400 / Hunters Point Shipyard, Parcel E RA Phase II

Report To: Client Name: GES - ASRC Industrial Total Number of Pages: 9

 Attn:
 P.O.#.:
 J310000400-0015

 Client Address:
 1501 West Fountainhead Parkway, Ste. #550
 Date Received:
 05/17/2023 10:23

City, State, Zip: Tempe, Arizona, 85282 Sample Collected By :

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

Client Sample ID MSE01-050823	Sample Collection Date & Time 5/8/2023 16:02	Matrix Cassette	A&B Job Sample I 23051992.01
MSE02-050823	5/8/2023 15:57	Cassette	23051992.02
MSE01-050923	5/9/2023 15:49	Cassette	23051992.03
MSE02-050923	5/9/2023 15:51	Cassette	23051992.04
MSE01-051023	5/10/2023 15:27	Cassette	23051992.05
MSE02-051023	5/10/2023 15:33	Cassette	23051992.06
MSE01-051123	5/11/2023 15:09	Cassette	23051992.07
MSE02-051123	5/11/2023 15:21	Cassette	23051992.08

Released By:

Analyst:

Title: Vice President Operations

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

ab-q210-0321

Report Number: RPT230524098

ID



ANALYSIS OF AIRBORNE FIBER SAMPLING SAMPLING PERFORMED BY CLIENT ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES

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

Date 5/24/2023

Job ID: 23051992

Analytical Method: NIOSH 7400-I3-June2019

Client: GES -	ASRC Industrial		Project: J31	0000400 / H	lunters P	oint Shipy	ard, Parcel E	RA Phase	II		ı	Attn:			
A&B Sample ID	Client Sample ID	Collected Date	Area/Person	Flow Rate L/m	Time On	Time Off	Total Time (min)	Volume (Liters)	Total Fields	Total Fibers	F/mm2	Fiber/cc	8 Hour TWA	Analysis Date	Analyzed By
23051992.01	MSE01-050823	05/08/2023	Area	2			568	1136	100	17.5	22.293	0.008		05/24/23	
23051992.02	MSE02-050823	05/08/2023	Area	2			566	1132	100	17.5	22.293	0.008		05/24/23	
23051992.03	MSE01-050923	05/09/2023	Area	2			549	1098	100	21.5	27.389	0.010		05/24/23	
23051992.04	MSE02-050923	05/09/2023	Area	2			560	1120	100	16	20.382	0.007		05/24/23	
23051992.05	MSE01-051023	05/10/2023	Area	2			535	1070	100	20.5	26.115	0.009		05/24/23	
23051992.06	MSE02-051023	05/10/2023	Area	2			549	1098	100	18.5	23.567	0.008		05/24/23	
23051992.07	MSE01-051123	05/11/2023	Area	2			512	1024	100	20.5	26.115	0.010		05/24/23	
23051992.08	MSE02-051123	05/11/2023	Area	2			537	1074	100	20.0	25.478	0.009		05/24/23	

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload, Unable To Read



Sample Condition Checklist

A&I	3 JobID : 23051992	Date Received : 05/17/2023 Time Received :	10:23AM		
Clie	ent Name : GES - ASRC Industrial				
Ter	nperature : 23.7°C	Sample pH: NA			
The	rmometer ID : IR5	pH Paper ID : NA			
Pe	rservative :				
		Check Points	Yes	No	N/A
1.	Cooler Seal present and signed.		Х		
2.	Sample(s) in a cooler.			Х	
3.	If yes, ice in cooler.				Х
4.	Sample(s) received with chain-of-custon	ody.	Х		
5.	C-O-C signed and dated.		Х		
6.	Sample(s) received with signed sample	e custody seal.		Х	
7.	Sample containers arrived intact. (If N	o comment)	Х		
8.	Water Soil Liquid Slu Matrix:	ıdge Solid Cassette Tube Bulk Badge Food Otl	her		
9.	Samples were received in appropriate		Х		
10.	Sample(s) were received with Proper p	reservative			Х
11.	All samples were tagged or labeled.		Х		
12.	Sample ID labels match C-O-C ID's.		Х		
13.	Bottle count on C-O-C matches bottles	found.	Х		
14.	Sample volume is sufficient for analyse	es requested.	Х		
15.	Samples were received with in the hole	d time.	Х		
16.	VOA vials completely filled.				Х
17.	Sample accepted.		Х		
18.	Has client been contacted about sub-o	ut			Х
	nments: Include actions taken to resol	ve discrepancies/problem: eceived in a box with a custody seal. Black cassettes. ~ 5/17/2023			
INO (notice was received, nowever samples are r	5/17/2025			

Received by: Check in by/date: // 05/17/2023

ab-s005-0321

Phone: 713-453-6060 www.ablabs.com







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Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520 COC ID # 051623ASBE



Pr	oject Name: Hunters Point Shi	byard, Parce	E RA Phase I			Lat	orato	ory: A	&B L	abs										Event: P	arcel E Asbestos
Pr	oject Number: J310000400					PO	C														
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	Event: Parcel E Asbestos					1															
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	Sample ID	Matrix	Date	Time	Init.										Loca	ition ID	Туре	Т	op - Bottom	Cooler	Comments
7	1 MSE01-050923	A	05/09/2023	1549		×					П				MS	SE01	N1	0.00	0.00	1	
۲ 📘	MSE02-050923	А	05/09/2023	1551		×		V							MS	SE02	N1	0.00	0.00	1	
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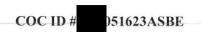
Gilbane Federa 1655 Grant Street, Suite 1200, Concord, CA 94520





roject Name: Hunters Point	Shipyard, Parce	E RA Phase II			Labo	ratory	: A&B L	abs									Event: Pa	rcel E Asbestos
roject Number: J310000400					POC													
/BS Code: J310000400					Ship	to: 10	100 Ea	st Fwy	Ste. 10	0 Hous	ton T	77029						
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quipment:				Anal	Ш													
Event: Parcel E Asbestos					1													
Sample ID	Matrix	Date	Time	Samp Init.								Loc	ation ID	Sample Type		pth (ft bgs)	Cooler	Comments
1 MSE01-051023	A	05/10/2023	1527		×							N	ISE01	N1	0.00	0.00	1	
2 MSE02-051023	A	05/10/2023	1533		×					+	+		ISE02	N1	0.00	0.00	1	
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Project Name: Hunters Point Shipyard, Parcel E RA Phase II

Event: Parcel E Asbestos

Project Number: J310000400 WBS Code: J310000400

	1	1	
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)
MSE01-050823	8-May	16:02	2; 568
MSE02-050823	8-May	15:57	2; 566
MSE01-050923	9-May	15:49	2; 549
MSE02-050923	9-May	15:51	2; 560
MSE01-051023	10-May	15:27	2; 535
MSE02-051023	10-May	15:33	2; 549
MSE01-051123	11-May	15:09	2; 512
MSE02-051123	11-May	15:21	2; 537

ORIGIN ID: JCCA

SHIP DATE: 09MAY23 ACTWGT: 1.00 LB CAD: 254128867/INET4610

200 FISHER STREET

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

TO

A & B LABS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060 INV:

REF: J31000.400 00.18.04



Fed∃x:

WED - 10 MAY 4:30P STANDARD OVERNIGHT

7720 3818 4453

77029



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Laboratory Analysis Report

Job ID: 23052732



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

Client Project Name:

J310000400 / Hunters Point Shipyard, Parcel E RA Phase II

Report To: Client Name: GES - ASRC Industrial Total Number of Pages: 9

Tempe, Arizona, 85282

Attn: P.O.#.: J31000400-0015

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 05/24/2023 09:55

Sample Collected By:

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

City, State, Zip:

Client Sample ID MSE01-051523	Sample Collection Date & Time 5/15/2023 15:42	Matrix Cassette	A&B Job Sample I 23052732.01
MSE02-051523	5/15/2023 15:47	Cassette	23052732.02
MSE01-051623	5/16/2023 16:12	Cassette	23052732.03
MSE02-051623	5/16/2023 16:20	Cassette	23052732.04
MSE01-051723	5/17/2023 16:04	Cassette	23052732.05
MSE02-051723	5/17/2023 16:13	Cassette	23052732.06
MSE01-051823	5/18/2023 14:04	Cassette	23052732.07
MSE02-051823	5/18/2023 13:49	Cassette	23052732.08



Title: Vice President Operations

Analyst:

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ab-q210-0321

6/1/2023

ID

Page 1 of 9 Report Number: RPT230601031



ANALYSIS OF AIRBORNE FIBER SAMPLING SAMPLING PERFORMED BY CLIENT ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES,

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

Date 6/1/2023

Job ID: 23052732

Analytical Method: NIOSH 7400-I3-June2019

Client: GES - /	ASRC Industrial		Project: J31	0000400 / H	lunters Po	oint Shipy	ard, Parcel E	RA Phase	II		ı	Attn:			
A&B Sample ID	Client Sample ID	Collected Date	Area/Person	Flow Rate L/m	Time On	Time Off	Total Time (min)	Volume (Liters)	Total Fields	Total Fibers	F/mm2	Fiber/cc	8 Hour TWA	Analysis Date	Analyzed By
23052732.01	MSE01-051523	05/15/2023	Area	2			543	1086	100	11.5	14.650	0.005		06/01/23	
23052732.02	MSE02-051523	05/15/2023	Area	2			558	1116	100	11.0	14.013	0.005		06/01/23	
23052732.03	MSE01-051623	05/16/2023	Area	2			572	1144	100	12.5	15.924	0.005		06/01/23	
23052732.04	MSE02-051623	05/16/2023	Area	2			592	1184	100	14.0	17.834	0.006		06/01/23	
23052732.05	MSE01-051723	05/17/2023	Area	2			554	1108	100	16.0	20.382	0.007		06/01/23	
23052732.06	MSE02-051723	05/17/2023	Area	2			582	1164	100	20.0	25.478	0.008		06/01/23	
23052732.07	MSE01-051823	05/18/2023	Area	2			440	880	100	17.5	22.293	0.010		06/01/23	
23052732.08	MSE02-051823	05/18/2023	Area	2			436	872	100	12.0	15.287	0.007		06/01/23	

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload, Unable To Read



Sample Condition Checklist

A&I	B JobID : 23052732	Date Received: 05/24/2023 Time Received: 9:	55AM		
Clie	ent Name : GES - ASRC Industrial				
Ter	nperature : 23.3°C	Sample pH: NA			
The	ermometer ID : IR5	pH Paper ID: NA			
Pe	rservative :			ı	
		Check Points	Yes	No	N/A
1.	Cooler Seal present and signed.		Х		
2.	Sample(s) in a cooler.			Х	
3.	If yes, ice in cooler.				Х
4.	Sample(s) received with chain-of-custo	ody.	Х		
5.	C-O-C signed and dated.		Х		
6.	Sample(s) received with signed sample	e custody seal.		Х	
7.	Sample containers arrived intact. (If N	o comment)	Х		
8.	Water Soil Liquid Slu	Idge Solid Cassette Tube Bulk Badge Food Other			
9.	Samples were received in appropriate	container(s)	Х		
10.	Sample(s) were received with Proper p	reservative			Х
11.	All samples were tagged or labeled.		Х		
12.	Sample ID labels match C-O-C ID's.		Х		
13.	Bottle count on C-O-C matches bottles	found.	Х		
14.	Sample volume is sufficient for analyse	es requested.	Х		
15.	Samples were received with in the hold	I time.	Х		
16.	VOA vials completely filled.				Χ
17.	Sample accepted.		Х		
18.	Has client been contacted about sub-o	ut			Χ
	mments: Include actions taken to resol	ve discrepancies/problem: er samples are received in a box with a custody seal. ~ 5/24/23			
Diac	n cassettes. 140 cooler 1405 received, flower	5/24/23			

Received by: Check in by/date: / 05/24/2023

ab-s005-0321

Phone: 713-453-6060 www.ablabs.com



CHAIN-OF-CUSTODY

Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520 COC ID # 052323A5BE



roject Name: Hunters Point Shipyard, Parcel E RA Phase II	Laboratory: A&B Labs	Event: Parcel E Asbestos
roject Number: J310000400	POC:	
/BS Code: J310000400	Ship to: 10100 East Fwy Ste, 100 Houston TX 77029	
Somments:	Code Matrix A Air AQ Air Quality Control Matrix Code Container/Preservative 1 Filter/No Preservatives	Page 1 o
Event: Parcel E Asbestos	1	
Sample ID Matrix Date Time Samp	Location ID Sample Type Top - Bottom	Cooler Comments
1 MSE01-051523 A 05/15/2023 1542	x MSE01 N1 0.00 0.00	1
2 MSE02-051523 A 05/15/2023 1547	x MSE02 N1 0.00 0.00	1
3 4 5 6 6 7 8 9 10 11 Turnaround Time: 7 days	Thy: (Signature) Date Time Shipping Date / Carrier / Airbill Number	
Relinquished by: (Signature) Date Time Received 5/23/23 /400 S/24/23 /455	Polex 5/23/23 1400 Shipping Date:05/23/23 / FEDEX 7	



COC ID # 052323ASBE



F	roject Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Lab	orator	y: A&E	3 Labs												Event: Pa	rcel E Asbestos
F	roject Number: J310000400					PO																
V	VBS Code: J310000400					Ship	o to: 10	0100 (East Fw	y Ste.	100 Ho	uston	TX 77	029								
_																						
[Comments:								П				Co	de M	latrix							Page 2
							V							A Ai								
														AQ Ai	ir Quality Cont	trol Matri	x					
					po	so				V												
					Analytical Test Method	Asbestos				7			Co		ontainer/Preservati							
					sst N	As				12	>1			1 Filt	ter/No Preservativ	es						
					al Te					1200	5/											
					lytic				Ш	0	X	-2										
	equipment:				Ana							7										
1	Event: Parcel E Asbestos					1																
			Deta	Times	Samp			T	П					Lo	cation ID		mple	De	epth (ft bgs)		Cooler	Comments
	Sample ID	Matrix	Date	Time	Init.									Lo	Cation is	T	ype	To	p - Bottom		3 -3x(h-r)	
ia	1 MSE01-051623	Α	05/16/2023	1612		×									MSE01	1	V1	0.00	0.00		1	
10	2 MSE02-051623	А	05/16/2023	1620		×									MSE02	1	V 1	0.00	0.00		1	
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1	4																					
Ì	5																					
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1	10					/						3	5									
	11																					
	Turnaround Time: 7 days																					
	Relinquished by: (Signature)		Date	Time	Received	by: (Signa	ture)					Da	ite	Time				er / Airbill No			
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		i		1 1																		



COC ID # 052323ASBE



Project Name: Hunters Point Shipy	ard, Parcel	E RA Phase II					y: A&B	3 Labs										Event: P	arcel E Asbestos	
Project Number: J310000400					POC															
WBS Code: J310000400					Ship	to. 1	0100 E	ast F	wy Ste	100	Housto	n TX 7	7029							
Comments:		,		Analytical Test Method	Asbestos			3	2	1	/		Code Conta	Quality Control	ol Matrix					Page 3
Event: Parcel E Asbestos					1						П					Г	epth (ft bgs)			
Sample ID	Matrix	Date	Time	Samp Init.									Loca	tion ID	Sample Type		op - Bottom	Cooler	Commer	nts
1 MSE01-051723	Α	05/17/2023	1604		×								MS	SE01	N1	0.00	0.00	1		
2 MSE02-051723	А	05/17/2023	1613		×		X						MS	SE02	N1	0.00	0.00	1		
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8				12/	1															
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11						4														
Turnaround Time: 7 days																				
Relinquished by: (Signature)		Date	Time	Received	by: (S	Signa	ture)					C	ate	Time S	hipping Da	te / Carr	ier / Airbill Nun	iber		
		5/23/23	1400			A	Sal.	10	k			572	23/23	1400	Shipping I	Date:05/	23/23 / FEDE	X 7720 928	31 9786	
ares		Strylo		Ó		,								F			r: (Signature S/	Date, Time) W/Z	& condition	:50
400																				

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





Pro	oject Name: Hunters Point Shipya	Laboratory: A&B Labs													Event: Parcel E Asbestos							
	oject Number: J310000400					POC											_	_11				
WE	3S Code: J310000400					Ship	to: 1	0100	East F	wy S	Ste. 10	00 Ho	uston T	X 77029								
_																						
Co	mments:				est Method	Asbestos				X	1			A AQ	Containe	ality Contro					Pag	e 4
Eq	julpment:	3			Analytical Test Method						X	33	3									
-	Event: Parcel E Asbestos				-	1					П											
	Sample ID	Matrix	Date	Time	Samp Init.										Locatio	n ID	Sample Type	_	Pepth (ft bgs)	Cooler	Comments	
L	1 MSE01-051823	A	05/18/2023	1404		×			+			+			MSE	01	N1	0.00	0.00	1		
_	2 MSE02-051823	A	.05/18/2023	1349		×	1	+			\Box	\top			MSE	Q 2	N1	0.00	0.00	1		
	3	-	00/10/2020	12.11			\vdash				\Box					/						
H	4					T	\vdash				П	\top				/						
H	5		1	\		T					П	1										
-	6			1																		
-	7			/					1,		M	_										_
-	8					T		П					\gg									/
H	9										9	1	7 -	>								_
-	10	\										9	N	15								
	11	1																		•		_
T	urnaround Time: 7 days																		- / At-bill Manne	-		_
R	elinquished by: (Signature)		Date	Time	Received	by: ((Signa	ature)						Date					ier / Airbill Numbe		01.0706	_
		C	5/23/23	1400		×	9	de	ex	_			5	123/2	23	1400		Date:05/	23/23 / FEDEX			
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	1000																6					
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Project Name: Hunters	Point Shipyar	rd, Parcel E RA	A Phase II	Event: Parcel E Asbestos
Project Number: J3100	00400			
WBS Code: J31000040	0			
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)	
MSE01-051523	15-May	15:42	2; 543	
MSE02-051523	15-May	15:47	2; 558	
MSE01-051623	16-May	16:12	2; 572	
MSE02-051623	16-May	16:20	2; 592	
MSE01-051723	17-May	16:04	2; 554	
MSE02-051723	17-May	16:13	2; 582	
MSE01-051823	18-May	14:04	2; 440	
MSE02-051823	18-May	13:49	2; 436	

SHIP DATE: 16MAY23 ACTWGT: 1.00 LB CAD: 254128867/INET4610

200 FISHER STREET

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

TO

A & B LABS

10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029 (713) 453-6060

REF J31000 400 00 18 04



WED - 17 MAY 4:30P STANDARD OVERNIGHT

7720 9281 9786

77029 IAH



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Laboratory Analysis Report

Job ID: 23053290



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

Client Project Name:

J310000400 / Hunters Point Shipyard, Parcel E RA Phase II

Report To: Client Name: GES - ASRC Industrial Total Number of Pages: 9

Tempe, Arizona, 85282

Attn: P.O.#.: J310000400-0015

Sample Collected By:

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 05/31/2023 10:22

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

City, State, Zip:

Client Sample ID MSE01-052223	Sample Collection Date & Time 5/22/2023 15:43	Matrix Cassette	A&B Job Sample I 23053290.01
MSE02-052223	5/22/2023 15:51	Cassette	23053290.02
MSE01-052323	5/23/2023 15:55	Cassette	23053290.03
MSE02-052323	5/23/2023 15:48	Cassette	23053290.04
MSE01-052423	5/24/2023 16:00	Cassette	23053290.05
MSE02-052423	5/24/2023 16:06	Cassette	23053290.06
MSE01-052523	5/25/2023 15:07	Cassette	23053290.07
MSE02-052523	5/25/2023 14:59	Cassette	23053290.08

Released By:

Analyst:

Title: Vice President Operations

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ab-q210-0321

×07020

6/7/2023

ID

Page 1 of 9 Report Number: RPT230607029



ANALYSIS OF AIRBORNE FIBER SAMPLING SAMPLING PERFORMED BY CLIENT ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.

AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080

Date 6/7/2023

Job ID: 23053290

Analytical Method: NIOSH 7400-I3-June2019

Client: GES - ASRC Industrial Project: J310000400 / Hunters Point Shipyard, Parcel E RA Phase II Attn:															
A&B Sample ID	Client Sample ID	Collected Date	Area/Person	Flow Rate L/m	Time On	Time Off	Total Time (min)	Volume (Liters)	Total Fields	Total Fibers	F/mm2	Fiber/cc	8 Hour TWA	Analysis Date	Analyzed By
23053290.01	MSE01-052223	05/22/2023	Area	2			551	1102	100	15.5	19.745	0.007		06/07/23	
23053290.02	MSE02-052223	05/22/2023	Area	2			565	1130	100	13	16.561	0.006		06/07/23	
23053290.03	MSE01-052323	05/23/2023	Area	2			558	1116	100	16.0	20.382	0.007		06/07/23	
23053290.04	MSE02-052323	05/23/2023	Area	2			558	1116	100	16.0	20.382	0.007		06/07/23	
23053290.05	MSE01-052423	05/24/2023	Area	2			561	1122	100	20.5	26.115	0.009		06/07/23	
23053290.06	MSE02-052423	05/24/2023	Area	2			573	1146	100	10.0	12.739	0.004		06/07/23	
23053290.07	MSE01-052523	05/25/2023	Area	2			513	1026	100	22.5	28.662	0.011		06/07/23	
23053290.08	MSE02-052523	05/25/2023	Area	2			511	1022	100	21.5	27.389	0.010		06/07/23	

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload, Unable To Read



Sample Condition Checklist

A&I	RB JobID: 23053290 Date Received: 05/31/2023 Time Received: 10												
Clie	nt Name : GES - ASRC Industrial												
Ten	nperature : 23.9°C	Sample pH: N/A											
The	rmometer ID : IR5	pH Paper ID: N/A											
Pe	rservative :												
		Check Points	Yes	No	N/A								
1.	Cooler Seal present and signed.		Х										
2.	2. Sample(s) in a cooler.												
3.	If yes, ice in cooler.				Х								
4.	Sample(s) received with chain-of-custo	ody.	Х										
5.	C-O-C signed and dated.		Х										
6.	Sample(s) received with signed sample	e custody seal.		Х									
7.	Sample containers arrived intact. (If N	o comment)	Х										
8.	Water Soil Liquid Slu Matrix:	Idge Solid Cassette Tube Bulk Badge Food Other											
9.	Samples were received in appropriate		Х										
10.	Sample(s) were received with Proper p	reservative			Х								
11.	All samples were tagged or labeled.		Х										
12.	Sample ID labels match C-O-C ID's.		Х										
13.	Bottle count on C-O-C matches bottles	found.	Х										
14.	Sample volume is sufficient for analyse	es requested.	Х										
15.	Samples were received with in the hold	l time.	Х										
16.	VOA vials completely filled.				Х								
17.	Sample accepted.		Х										
18.	Has client been contacted about sub-o	ut			Х								
	nments : Include actions taken to resol		F/24/2	1022									
Sam	pies received in black cassettes. No cooler	was received, however samples are received in a box with a custody seal. \sim	5/31/2	2023									

Received by: Check in by/date: // 05/31/2023

ab-s005-0321

Phone: 713-453-6060 www.ablabs.com

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





	Project Name: Hunters Point Shipya	rd, Parce	ERA Phase II			Lab	orato	y: A&E	3 Labs												Event: P	arcel E Asbestos
	Project Number: J310000400					PO	C:															
	WBS Code: J310000400					Ship	p to: 1	0100 E	East F	wy S	te. 10	0 Hou	uston T	X 77029								
	Comments:							T	П	T	1	T		Code	Matri	ix						Page 1 of 4
		^^	-2200							Н	-	+	+	Α.	Air							
	Job ID:2	30:	329U											AQ	Air Q	Quality Cont	troi Matrix				-	
				ACH	Analytical Test Method	Asbestos				S	30	2	3			iner/Preservativ						
					alytic							X										
	Equipment: Event: Parcel E Asbestos				4	1	Н	+	\vdash	+	+	+							_			
	Sample ID	Matrix	Date	Time	Samp	1				1	1	t			Locati	ion ID	Sampl	_	De	epth (ft bgs)	Cooler	Comments
۸	2001000000	(M) (10071)	200.0077	V 1//(25)	Init.							+					Туре	_		op - Bottom	2.26.20.00	
A	1 MSE01-052223 2 MSE02-052223	Α	05/22/2023	1543	-	x		S			4	+	+		MSE		N1	0.0	-	0.00	1	
A	2 MSCU2-USZZZS	Α	05/22/2023	1551		×	Н	-			+	+	+		MSE	E02	N1	0.0	00	0.00	1	
	4	_			-	\vdash	Н	-			+	+	+			_		+-	\dashv			
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			5/30/23	1400			F	ed	ex	(5	130/2	13	1400	Shipping	Date:	05/3	0/23 / FEDEX 7	7721 492	0 9520
	FED EX		131/23	10:22																5, Da	131 Z	& condition 3 10:27
	/																23	.9	0	IRS		







Project Name: Hunters Point Shipyard, Parcel E RA Phase II		Labora	atory:	A&B L	abs									Event: Parcel E Asbestos		
Project Number: J310000400		POC:	F													
WBS Code: J310000400		Ship to	o: 101	00 Eas	st Fwy :	Ste. 1	00 Ho	ouston	X 77029							
Comments:						П	T	T	Code M	latrix					Page 2 o	
			1				İ		A A	ir ir Quality Cor	ntrol Matrix			}		
	Analytical Test Method	Asbestos			5	30	1	3		ontainer/Preservat Ber/No Preservat]		
Equipment:	Analy		Ш			Ц	`	1								
Event: Parcel E Asbestos	Ι.	1	+	-	+		+	+				D	epth (ft bgs)			
Sample ID Matrix Date Time	Samp Init.		П						Lo	ecation ID	Sample Type		op - Bottom	Cooler	Comments	
1 MSE01-052323 A 05/23/2023 1555		x e								MSE01	N1	0.00	0.00	1		
2 MSE02-052323 A 05/23/2023 1548		x								MSE02	N1	0.00	0.00	1		
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/											23.4	7 11	25			







Project Name: Hunters Point Shipya		Laboratory: A&B Labs														Event: Parcel E Asbestos					
Project Number: J310000400					POC	G: /															
WBS Code: J310000400					Ship	to:	10100	East	Fwy S	Sta. 10	00 Hou	ston T	X 77029								
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				Analytical Test Method	Asbestos				75	Z	4.	3	Code	-	er/Preservative						
quipment:				Analytica							×										
Event: Parcel E Asbestos				_	1		Ш	_	Ш												
Sample ID	Matrix	Date	Time	Samp Init.								Ш		Locatio	on ID	Sampl Type		Depth (ft bg Top - Botto		Cooler	Comments
1 MSE01-052423	Α	05/24/2023	1600		×	/	П	Т	П	П		П		MSE	01	N1	0.00	0.6	.00	1	
2 MSE02-052423	Α	05/24/2023	1606		×									MSE	02	N1	0.00	0.	.00	1	
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P	Project Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Lab	orator	ry: A&	B Lat	bs										Event: Par	rcel E Asbestos
P	Project Number: J310000400					POO	D :														
W	VBS Code: J310000400					Ship	to: 1	0100	East	Fwy S	ite. 10	00 Hau	ston	TX 77029)						
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					Analytical Test Method	Asbestos		1	'	8/	٦	1		Code		iner/Preservative					
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-	Event. Parcel E Ascestos					1		+	+			+	+				Comple	D	epth (ft bgs)		
	Sample ID	Matrix	Date	Time	Samp										Locat	tion ID	Sample		op - Bottom	Cooler	Comments
۲	1 MSE01-052523	Α	05/25/2023	1507		×	1								MS	E01	N1	0.00	0.00	1	
A	2 MSE02-052523	A	05/25/2023	1459		×				Ш					MS	E02	N1	0.00	0.00	1	
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Project Name: Hunters	Point Shipya	rd, Parcel E RA	Phase II	Event: Parcel E Asbestos
Project Number: J3100	000400			
WBS Code: J31000040	00			
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)	
MSE01-052223	22-May	15:43	2; 551	
MSE02-052223	22-May	15:51	2; 565	
MSE01-052323	23-May	15:55	2; 558	
MSE02-052323	23-May	15:48	2; 558	
MSE01-052423	24-May	16:00	2; 561	
MSE02-052423	24-May	16:06	2; 573	
MSE01-052523	25-May	15:07	2; 513	
MSE02-052523	25-May	14:59	2; 511	

ORIGIN ID: JCCA

200 FISHER STREET

SHIP DATE: 23MAY23 ACTWGT: 1.00 LB CAD: 254128867/INET4610

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

TO

A & B LABS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

REF JG1000 400 00 18 04



WED - 24 MAY 4:30P STANDARD OVERNIGHT

7721 4920 9520

77029 IAH TX-US



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Laboratory Analysis Report

Job ID: 23060617



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

Client Project Name:

J310000400 / Hunters Point Shipyard, Parcel E RA Phase II

Report To: Client Name: GES - ASRC Industrial Total Number of Pages: 8

Tempe, Arizona, 85282

Attn: P.O.#.: J310000400-0015

Sample Collected By:

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 06/07/2023 10:12

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

City, State, Zip:

Client Sample ID	Sample Collection Date & Time	Matrix	A&B Job Sample ID
MSE01-053023	5/30/2023 15:41	Cassette	23060617.01
MSE02-053023	5/30/2023 15:34	Cassette	23060617.02
MSE01-053123	5/31/2023 15:55	Cassette	23060617.03
MSE02-053123	5/31/2023 16:01	Cassette	23060617.04
MSE01-060123	6/1/2023 15:41	Cassette	23060617.05
MSE02-060123	6/1/2023 15:32	Cassette	23060617.06

Released By:

Analyst:

Title: Vice President Operations

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

ab-q210-0321

6/14/2023

Page 1 of 8 Report Number: RPT230614054



ANALYSIS OF AIRBORNE FIBER SAMPLING SAMPLING PERFORMED BY CLIENT ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.

ANALYSIS CONDUCTED BY A & B ENVIRONMENTAL SERVICES, INC.

AIHA Lab Accreditation # 101470 TDH PLM/PCM Lab License # 300080

Date 6/14/2023

Job ID: 23060617

Analytical Method: NIOSH 7400-I3-June2019

Client: GES - /	ASRC Industrial		Project: J31	0000400 / H	lunters P	oint Shipy	ard, Parcel E	RA Phase	II		ļ.	Attn:			
A&B Sample ID	Client Sample ID	Collected Date	Area/Person	Flow Rate L/m	Time On	Time Off	Total Time (min)	Volume (Liters)	Total Fields	Total Fibers	F/mm2	Fiber/cc	8 Hour TWA	Analysis Date	Analyzed By
23060617.01	MSE01-053023	05/30/2023	Area	2			557	1114	100	26.0	33.121	0.011		06/14/23	
23060617.02	MSE02-053023	05/30/2023	Area	2			553	1106	100	19.0	24.204	0.008		06/14/23	
23060617.03	MSE01-053123	05/31/2023	Area	2			567	1134	100	22.5	28.662	0.010		06/14/23	
23060617.04	MSE02-053123	05/31/2023	Area	2			580	1160	100	14.0	17.834	0.006		06/14/23	
23060617.05	MSE01-060123	06/01/2023	Area	2			548	1096	100	25.0	31.847	0.011		06/14/23	
23060617.06	MSE02-060123	06/01/2023	Area	2			545	1090	100	24.5	31.210	0.011		06/14/23	

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload, Unable To Read



Received by:

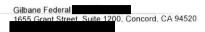
Sample Condition Checklist

A&l	3 JobID : 23060617	Date Received : 06/07/2023 Time Received	: 10:12AM		
Clie	nt Name : GES - ASRC Industrial				
Ter	nperature : 20.3°C	Sample pH: NA			
The	rmometer ID : IR5	pH Paper ID: NA			
Pe	rservative :		1		1
		Check Points	Yes	No	N/A
1.	Cooler Seal present and signed.		Х		
2.	Sample(s) in a cooler.			Χ	
3.	If yes, ice in cooler.				Х
4.	Sample(s) received with chain-of-custo	dy.	Х		
5.	C-O-C signed and dated.		Х		
6.	Sample(s) received with signed sample	custody seal.		Χ	
7.	Sample containers arrived intact. (If No	o comment)	Х		
8.	Water Soil Liquid Slu Matrix:	dge Solid Cassette Tube Bulk Badge Food	Other		
9.	Samples were received in appropriate of	container(s)	Х		
10.	Sample(s) were received with Proper p	reservative			Х
11.	All samples were tagged or labeled.		Х		
12.	Sample ID labels match C-O-C ID's.		Х		
13.	Bottle count on C-O-C matches bottles	found.	Х		
14.	Sample volume is sufficient for analyse	s requested.	Х		
15.	Samples were received with in the hold	time.	Х		
16.	VOA vials completely filled.				Χ
17.	Sample accepted.		Х		
18.	Has client been contacted about sub-or	ıt			Х
	nments : Include actions taken to resol				
NO (ooier was received, nowever samples are re	eceived in a box with a custody seal. Black cassettes.			

Check in by/date : / 06/07/2023

ab-s005-0321

Phone: 713-453-6060 www.ablabs.com





	Pro	ject Name: Hunters Point Shipyar	d, Parcel	E RA Phase II			Labo	orato	ry: A&	B La	bs			_							Event: Pa	ircel E Asbestos	
	Pro	eject Number: J310000400					POC																
	WB	S Code: J310000400					Ship	to: 1	0100	East	Fwy S	ite, 10	0 Hous	ton T	X 77029								
Job ∭∭I		D:23060617				ethod	Asbestos	\			6	. //			A A		ality Contr					Page I	1 of 3
 06/07/2023	_	GES - ASRC Industrial AC	СН			Analytical Test Method	4Sb				X	4			1Fi	itter/No	Preservative	s n=					
		Sample ID	Matrix	Date	Time	Samp Init.									Lo	ocatio	n ID	Sample Type		epth (ft bgs)	Cooler	Comments	
MA	1	1 MSE01-053023	А	05/30/2023	1541		x	/				T				MSE	01	N1	0.00	0.00	_1_		
01A 02A	2	MSE02-053023	Α	05/30/2023	1534		×		V						/	MSE	02	N1	0.00	0.00	1		
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Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520



Ī	roject Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Lab	orator	y: A&	B Labs	s									Event: P	arcel E Asbestos	
Ī	roject Number: J310000400					POC															
1	VBS Code: J310000400					Ship	to. 1	0100	East F	wy Ste	. 100 1	loustor	TX 7	77029							
_																					
	comments:				Analytical Test Method	Asbestos			•		/www.		Killer I San	Code Conta	Quality Cont	ve				Pag	ge 2 of
Ì	quipment:				Ana)										
1	Event: Parcel E Asbestos					1							13				A SECTION				
	Sample ID	Matrix	Date	Time	Samp Init.									Loca	tion ID	Sample Type		Depth (ft bgs) Top - Bottom	Cooler	Comments	
L	1 MSE01-053123	А	05/31/2023	1555		×	\			- 1		-		MS	E01	N1	0.00	0.00	1		
f A	2 MSE02-053123	А	05/31/2023	1601		×		X						MS	E02	N1	0.00	0.00	1		
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																2	0.39	'C IRE	<i>5</i> .	15	

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



Pro	oject Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Labo	orator	y: A8	&B Labs										Event; P	arcel E Asbestos
Pre	oject Number: J310000400					POC								_						
WE	BS Code: J310000400					Ship	to: 1	0100	East F	wy Ste	, 100 i	Houst	on TX	77029						
Co	omments:						/			T		П		Code Matr	ix					Page 3 o
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					Method	Asbestos				6	1			Section Confined	iner/Preservativ					
					al Test N	As					6	5	l	1 Filter/f	No Preservative	15			-	
E	quipment:				Analytical Test Method						`	X								
	Event: Parcel E Asbestos				4	1	100						1			()				
	Sample ID	Matrix	Date	Time	Samp Init.									Local	tion ID	Sample Type		epth (ft bgs) op - Bottom	Cooler	Comments
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\ \ -	2 MSE02-060123	A	06/01/2023	1532	_	×			+	+	+	Ħ	\top	MS	E02	N1	0.00	0.00	1	
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	4																			
	5										1	Ш								
	6					\perp	Н	Ļ		8	1		\perp			-			_	
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	8				_	+	\vdash	H	+	-	X	13	+			+-			-	
	9	1			1	+	\vdash	H	+	+	+	N	+			+			-	
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	11				1			Ш				Ш					_			
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-	Reinquished by. (Signature)	6				Arrior .		/					61	16/23	1400	Shipping	Date:06/	06/23 / FEDE	X 7722 472	25 4020
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Project Name: Hunters	Point Shipyar	d, Parcel E RA	Phase II	Event: Parcel E Asbestos
Project Number: J3100	00400			
WBS Code: J31000040	0			
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)	
MSE01-053023	30-May	15:41	2; 557	
MSE02-053023	30-May	15:34	2; 553	
MSE01-053123	31-May	15:55	2; 567	
MSE02-053123	31-May	16:01	2; 580	
MSE01-060123	1-Jun	15:41	2; 548	
MSE02-060123	1-Jun	15:32	2; 545	

SHIP DATE: 30MAY23 ACTWGT: 1.00 LB CAD: 254128867/INET4610

200 FISHER STREET

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

TO

A & B LARS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

REF J31000 400 00 18 04

Fed Exx.

WED - 31 MAY 4:30P STANDARD OVERNIGHT

7722 4725 4020

77029 IAH

AB HBYA



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May 16, 2023

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

Laboratory Workorder ID: B130022

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: May 10, 2023 Reported: May 16, 2023

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

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

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

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



Technical Director

Enclosures

Report ID: B130022-202305165307



Eurofins Analytics, LLC 10329 Stony Run Lane Ashland, Va 23005 Phone: (804) 365-3000 Fax: (804) 365-3002

AIHA LAP, LLC Accreditation ID 100531

Final Report

AIS-GES, LLC Customer: PARCELE1 Date Received: 05/10/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

Client Project ID J310000400 PARCEL E HUNTERS TEMPE, AZ 85282 PO Number J310000400-016

								PT
ID: PM021523-44	AMSE1			Media:	8X10 PREWEIGH	ED GLASS	Sample Date:	5/2/2023 6:39:00 AM
Method		•	Volume	Reporting Limit	g Front	Rear	Total	Concentration
40CFR50 App.J	(05/11/23	1742380 L	1000 ug			51400 ug	29 ug/M3
ID: TSP021523-45	AMSE1			Media:	8X10 PREWEIGH	ED GLASS	Sample Date:	5/2/2023 6:39:00 AM
Method		•	Volume	Reporting Limit	g Front	Rear	Total	Concentration
40CFR50 App.B	(05/11/23	1655000 L	1000 ug			104000 ug	63 ug/M3
40CFR50App.G M 6010B	/lod./EPA (05/16/23	1655000 L	98.0 ug			338 ug	0.2042 ug/M3
40CFR50App.G M 6010B	/lod./EPA (05/16/23	1655000 L	14.0 ug			24.2 ug	0.0146 ug/M3
40CFR50App.G N 6010B	/lod./EPA (05/16/23	1655000 L	98.0 ug			< 98 ug	< 0.0592 ug/M3
ID: PM021523-46	AMSE2			Media:	8X10 PREWEIGH	ED GLASS	Sample Date:	5/2/2023 6:28:00 AM
		•			_	_		
Method		Date	Volume	Limit	Front	Rear	Total	Concentration
е	Method 40CFR50 App.J e ID: TSP021523-45 Method 40CFR50 App.B 40CFR50App.G M 6010B 40CFR50App.G M 6010B 40CFR50App.G M	Method 40CFR50 App.J e ID: TSP021523-45 AMSE1 Method 40CFR50 App.B 40CFR50App.G Mod./EPA 6010B Method Analysis Date 40CFR50 App.J 05/11/23 e ID: TSP021523-45 AMSE1 Method Analysis Date 40CFR50 App.B 05/11/23 40CFR50 App.G Mod./EPA 05/16/23 6010B AMSE2 Analysis	Method Date Volume 40CFR50 App.J 05/11/23 1742380 L e ID: TSP021523-45 AMSE1 Method Analysis Date Volume 40CFR50 App.B 05/11/23 1655000 L 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L Amalysis	Method Date Volume Reporting Limit 40CFR50 App.J 05/11/23 1742380 L 1000 ug e ID: TSP021523-45 AMSE1 Media: Method Analysis Date Volume Reporting Limit 40CFR50 App.B 05/11/23 1655000 L 1000 ug 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 98.0 ug 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 14.0 ug 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 98.0 ug 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 98.0 ug 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 98.0 ug 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 98.0 ug 6010B 40CFR50 App.G Mod./EPA 05/16/23 1655000 L 98.0 ug	Method Analysis Date Volume Reporting Limit Front 40CFR50 App.J 05/11/23 1742380 L 1000 ug e ID: TSP021523-45 AMSE1 Media: 8X10 PREWEIGH Method Analysis Date Volume Reporting Limit Front 40CFR50 App.B 05/11/23 1655000 L 1000 ug 40CFR50App.G Mod./EPA 6010B 05/16/23 1655000 L 98.0 ug 40CFR50App.G Mod./EPA 6010B 05/16/23 1655000 L 14.0 ug 40CFR50App.G Mod./EPA 6010B 05/16/23 1655000 L 98.0 ug e ID: PM021523-46 AMSE2 Media: 8X10 PREWEIGH	Method Date Date Volume Reporting Limit Front Rear 40CFR50 App.J 05/11/23 1742380 L 1000 ug e ID: TSP021523-45 AMSE1 Media: 8X10 PREWEIGHED GLASS Method Analysis Date Volume Reporting Limit Front Rear 40CFR50 App.B 05/11/23 1655000 L 1000 ug 40CFR50App.G Mod./EPA 6010B 05/16/23 1655000 L 98.0 ug 98.0 ug 40CFR50App.G Mod./EPA 6010B 05/16/23 1655000 L 14.0 ug 98.0 ug e ID: PM021523-46 AMSE2 Media: 8X10 PREWEIGHED GLASS	Method Analysis Date Volume Reporting Limit Front Rear Total 40CFR50 App.J 05/11/23 1742380 L 1000 ug 51400 ug e ID: TSP021523-45 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: Method Analysis Date Volume Reporting Limit Front Rear Total 40CFR50 App.B 05/11/23 1655000 L 1000 ug 104000 ug 338 ug 40CFR50 App.G Mod./EPA 6010B 05/16/23 1655000 L 98.0 ug 338 ug 24.2 ug 40CFR50 App.G Mod./EPA 6010B 05/16/23 1655000 L 98.0 ug < 98 ug	

Lab ID: B1300220	O4 Sample ID:	TSP021523-47	AMSE2			Media: 8>	K10 PREWEIGH	IED GLASS	Sample Date:	5/2/2023 6:28:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended F	articulates	40CFR50 App.E	3	05/11/23	1775500 L	1000 ug			39400 ug	22 ug/M3
Copper		40CFR50App.G 6010B	6 Mod./EPA	05/16/23	1775500 L	98.0 ug			< 98 ug	< 0.0552 ug/M3
Lead		40CFR50App.G 6010B	Mod./EPA	05/16/23	1775500 L	14.0 ug			< 14 ug	< 0.0079 ug/M3
Manganese		40CFR50App.G 6010B	Mod./EPA	05/16/23	1775500 L	98.0 ug			< 98 ug	< 0.0552 ug/M3
Lab ID: B1300220	O5 Sample ID:	PM021523-48	AMSE1			Media: 8>	K10 PREWEIGH	IED GLASS	Sample Date:	5/3/2023 6:30:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.	J	05/11/23	1667680 L	1000 ug			15900 ug	10 ug/M3
Lab ID: B1300220	06 Sample ID:	TSP021523-49	AMSE1			Media: 8>	K10 PREWEIGH	IED GLASS	Sample Date:	5/3/2023 6:30:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Analyte Total Suspended F	articulates	Method 40CFR50 App.E	3	•	Volume 1580170 L		Front	Rear	Total 35400 ug	Concentration 22 ug/M3
	articulates			Date		Limit	Front	Rear		
Total Suspended F	articulates	40CFR50 App.E 40CFR50App.G	Mod./EPA	Date 05/11/23	1580170 L	Limit 1000 ug	Front	Rear	35400 ug	22 ug/M3



Lab ID:	B130022007	Sample ID:	PM021523-50	AMSE2			Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	5/3/2023 6:22:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.J		05/11/23	1754820 L	1000 ug			8300 ug	5 ug/M3
Lab ID:	B130022008	Sample ID:	TSP021523-51	AMSE2			Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	5/3/2023 6:22:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	05/11/23	1762960 L	1000 ug			14100 ug	8 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	05/16/23	1762960 L	98.0 ug			226 ug	0.1282 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	05/16/23	1762960 L	14.0 ug			< 14 ug	< 0.0079 ug/M3
Mangan	ese		40CFR50App.G 6010B	Mod./EPA	05/16/23	1762960 L	98.0 ug			< 98 ug	< 0.0556 ug/M3
Lab ID:	B130022009	Sample ID:	PM021723-06	AMSE1			Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	5/4/2023 3:45:00 PM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.J		05/11/23	661800 L	1000 ug			5900 ug	9 ug/M3
Lab ID:	B130022010	Sample ID:	TSP021723-07	AMSE1			Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	5/4/2023 3:45:00 PM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	05/11/23	629370 L	1000 ug			10600 ug	17 ug/M3

Lab ID: B130022010 Sample ID: TSF			TSP021723-07 AMSE1					Media: 8X10 PREWEIGHED GLA			5/4/2023 3:45:00 PM	
										Sample Date:	5, 1,222 2, 1010 1	
Analyte	Ð		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration	
Copper			40CFR50App.G 6010B	Mod./EPA	05/16/23	629370 L	98.0 ug			362 ug	0.5752 ug/M3	
Lead			40CFR50App.G 6010B	Mod./EPA	05/16/23	629370 L	14.0 ug			< 14 ug	< 0.0222 ug/M3	
Mangan	nese		40CFR50App.G 6010B	Mod./EPA	05/16/23	629370 L	98.0 ug			< 98 ug	< 0.1557 ug/M3	
Lab ID:	B130022011	Sample ID:	PM021723-08	AMSE2			Media: 82	X10 PREWEIGH	HED GLASS	Sample Date:	5/4/2023 3:51:00 F	
Analyte	9		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration	
PM10 P	Particulates		40CFR50 App.J		05/11/23	690560 L	1000 ug			4300 ug	6 ug/M3	
Lab ID:												
	B130022012	Sample ID:	TSP021723-09	AMSE2			Media: 82	X10 PREWEIGH	HED GLASS	Sample Date:	5/4/2023 3:51:00 P	
Analyte		Sample ID:	TSP021723-09 Method	AMSE2	Analysis Date	Volume	Media: 83 Reporting Limit	X10 PREWEIGH	HED GLASS	Sample Date:	5/4/2023 3:51:00 P	
		'				Volume 693250 L	Reporting					
	e uspended Partic	'	Method	3	Date		Reporting Limit			Total	Concentration	
Total Su	e uspended Partic	'	Method 40CFR50 App.E 40CFR50App.G	3 Mod./EPA	Date 05/11/23	693250 L	Reporting Limit			Total 6300 ug	Concentration 9 ug/M3	



Final Report

General Laboratory Comments

Abbreviations:

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

Report ID:: B130022-202305165307

Analysis Report Section - Page 6

Gilbane Federal

COC# 050923AIRE

G	B130022

1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2								Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA										Event: Parcel E Phase 2 Air	
		pyara, F	arcel E RA P	nase z			_	ory. E	UKU	LIND	DUIL	I CIV	VIKU	NWENT TESTING ANALT	TICS, AST	LAND, V	A	Monitori	STATE OF THE STATE
- 110	ect Number: J310000400		a comme			POC													
WBS	S Code: J310000400-016			Time I	19.4	Ship	Ship to: 10329 Stony Run Lane, Ashland, VA 23005												
Equipment:						- Air	ir TSP	SW6010B - Air Pb Mn Cu						Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					
	Event: Parcel E Phase 2 Air M	onitoring	g		A	CA 1	1	1											
	Sample ID	Matrix	Date	Time	Samp Init.					1 1 1				Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM021523-44	Α	05/02/2023	0639		X				Τ			\top	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP021523-45	Α	05/02/2023	0639			Х	X						AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM021523-46	Α	05/02/2023	0628		X								AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP021523-47	Α	05/02/2023	0628			Х	Х						AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Turr	naround Time: 5 days			and the same of	100								1217	Company of the compan		1			

		llas			
Polinguished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/9/20	78	RIG	5/9/23	160
				5/10/23	11:17
7 9			12-18 1 (2)		

Shipping Date / Carrier / Airbill Number

Shipping Date: 5/9/2023 / FEDEX / 7719 8700 6750

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

5/10/23 11:17

Custody



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282





Project Name: Hunters Point Shipyard, Parcel E RA Phase 2							Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA										Ά	Event: Parcel E Phase 2 Air	
Proj	ect Number: J310000400					POC									Tellin			Monitor	ing
WBS	Code: J310000400-016	Code: J310000400-016 Ship to: 10329 Stony Run Lane, Ashland, VA 23005									Tong at 1								
Comments: Equipment:													Code Matrix A Air Code Container/Pr 1 1x Envelope,						
•					Analytical Test	- Air	N0500 - Air ISP												
	Event: Parcel E Phase 2 Air M	lonitoring	g			1	1 1				0.00								
10	Sample ID	Matrix	Date	Time	Samp Init.								Location II				(ft bgs) Bottom	Cooler	Comments
1	PM021523-48	Α	05/03/2023	0630		Х			П				AMSE1	N	1	0.00	0.00	1	VOLUME (M3):
2	TSP021523-49	Α	05/03/2023	0630			X X	(П				AMSE1	N	1	0.00	0.00	1	VOLUME (M3):
3	PM021523-50	Α	05/03/2023	0622		Х							AMSE2	N	1	0.00	0.00	1	VOLUME (M3):
4	TSP021523-51	Α	05/03/2023	0622			x x	(AMSE2	N	1	0.00	0.00	1	VOLUME (M3):
Turnaround Time: 5 days													THE STREET						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	Slals	las	sed &	5/9/23 1	600	Shipping Date: 5/9/2023 / FEDEX / 7719 8700 6750
	11			5/10/23	11:17	S. i. i.i. i.e. i.e. i.e. i.e. i.e. i.e.
						Received by Laboratory: (Signature, Date, Time) & condition 5/19/23 Custody
						11:17 Seals Tutack

Gilbane Federal

COC# 050923AIRE

1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282



Project Name: Hunters Point Shipyard, Parcel E RA Phase 2								Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA										Event: Parcel E Phase 2 Air		
Pro	oject Number: J310000400			to provide the	Tanc No.	PO	POC											Monitorin	ng	
WE	3S Code: J310000400-016					Ship	hip to: 10329 Stony Run Lane, Ashland, VA 23005													
Comments: Equipment:						CAAIR - Air PM10	N0500 - Air TSP	08 - Air Pb Mn Cu						Code Matrix A Air Code Container/Preservative 1 1x Envelope, None						
	Event: Parcel E Phase 2 Air M	/lonitorin	g			1	1	1												
188	Sample ID	Matrix	Date	Time	Samp Init.		100							Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments	
1	PM021723-06	А	05/04/2023	1545		Х					П			AMSE1	N1	0.00	0.00	1	VOLUME (M3):	
2	TSP021723-07	Α	05/04/2023	1545			Х	Х						AMSE1	N1	0.00	0.00	1	VOLUME (M3):	
3	PM021723-08	Α	05/04/2023	issi		X								AMSE2	N1	0.00	0.00	1	VOLUME (M3):	
4	TSP021723-09	Α	05/04/2023	1551			Х	Х						AMSE2	N1	0.00	0.00	1	VOLUME (M3):	
Tu	rnaround Time: 5 days	and the second										2-		4100	4		102/124	1 1		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	99/23	1600	Sed &	5/9/23	1600	Shipping Date: 5/9/2023 / FEDEX / 7719 8700 6750
	4 1			5/10/23	רניוו	Desired by Lebeston (Girachus Octo Tiva) & continue
3	2					Received by Laboratory: (Signature, Date, Time) & condition 5/10/23 Custody
			8	3		11:17 Seeds Intact

GES.Navy_COC_Field April 27, 2023





Project Name: Hunters Point Shipyard, Parcel E RA Phase 2

Project Number: J310000400

WBS Code: J310000400-016

	Sample ID	Matrix	Date	Time	Comments
1	PM021523-44	Α	05/02/2023	0639	VOLUME (M3): 1742.38
2	TSP021523-45	Α	05/02/2023	0639	VOLUME (M3): 1655.00
3	PM021523-46	Α	05/02/2023	0628	VOLUME (M3): 1766.31
4	TSP021523-47	Α	05/02/2023	0628	VOLUME (M3): 1775.50
5	PM021523-48	Α	05/03/2023	0630	VOLUME (M3): 1667.68
6	TSP021523-49	Α	05/03/2023	0630	VOLUME (M3): 1580.17
7	PM021523-50	А	05/03/2023	0622	VOLUME (M3): 1754.82
8	TSP021523-51	Α	05/03/2023	0622	VOLUME (M3): 1762.96
9	PM021723-06	Α	05/04/2023	1545	VOLUME (M3): 661.80
10	TSP021723-07	Α	05/04/2023	1545	VOLUME (M3): 629.37
11	PM021723-08	Α	05/04/2023	1551	VOLUME (M3): 690.56
12	TSP021723-09	Α	05/04/2023	1551	VOLUME (M3): 693.25

Sample ID	Cubic Meter	Volume (L)
PM021523-44	1742.38	1742380
TSP021523-45	1655	1655000
PM021523-46	1766.31	1766310
TSP021523-47	1775.5	1775500
PM021523-48	1667.68	1667680
TSP021523-49	1580.17	1580170
PM021523-50	1754.82	1754820
TSP021523-51	1762.96	1762960
PM021723-06	661.8	661800
TSP021723-07	629.37	629370
PM021723-08	690.56	690560
TSP021723-09	693.25	693250
		0
		0
		0
		0
		0
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		0
		~

Level 2 QA/QC Summary Report

Work Order #: B130022 Report Date: 5/16/2023

Batch ID: ICP230515B

Blank Spike	Results		Percent Recovery						
QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit		
LCS ICP23	BLKSPK	Copper	99.0	99.0	75-125	0.0	25		
LCS ICP23	BLKSPK	Lead	103.0	103.0	75-125	0.0	25		
LCS ICP23	BLKSPK	Manganese	93.0	93.0	75-125	0.0	25		
Method Bla	nk Results								

	in itoouno				
QC ID	QC Type	Parameter	Result	LOD	Units
LMB ICP2	LMB	Copper	< 98	98	ug
LMB ICP2	LMB	Lead	< 14	14	ug
LMB ICP2	LMB	Manganese	< 98	98	ug

June 6, 2023

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

Laboratory Workorder ID: B137027

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: May 17, 2023 Reported: May 25, 2023

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

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

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

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



Technical Director

Enclosures

Report ID: B137027-202306061803



Final Report

AIS-GES, LLC Customer: PARCELE1 Date Received: 05/17/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

Client Project ID J310000400 PARCEL E HUNTERS PT TEMPE, AZ 85282 PO Number J310000400-016

										PI
Lab ID: B137027001	Sample ID:	PM031423-15	AMSE1			Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	5/9/2023 6:40:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		05/18/23	1757140 L	1000 ug			28500 ug	16 ug/M3
Lab ID: B137027002	Sample ID:	TSP031423-16	AMSE1			Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	5/9/2023 6:40:00 AM
				Analysis Date		Reporting Limit		_		
Analyte		Method		Date	Volume	Lillin	Front	Rear	Total	Concentration
Total Suspended Partic	ulates	40CFR50 App.E	3	05/18/23	1668900 L	1000 ug			48800 ug	29 ug/M3
Copper		40 CFR Part 50	Appendix G	05/19/23	1668900 L	98 ug			735 ug	0.44 ug/M3
Lead		40 CFR Part 50	Appendix G	05/19/23	1668900 L	14 ug			< 14 ug	< 0.008 ug/M3
Manganese		40 CFR Part 50	Appendix G	05/19/23	1668900 L	98 ug			< 98 ug	< 0.059 ug/M3
Lab ID: B137027003	Sample ID:	PM031423-17	AMSE2			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	5/9/2023 6:33:00 AM
Analyto		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Analyte		wiethou			volume		FIOIIL	neai	1 Ulai	Concentration
PM10 Particulates		40CFR50 App.J		05/18/23	1787370 L	1000 ug			18900 ug	11 ug/M3



Final Report

Lab ID:	B137027004	Sample ID:	TSP031423-18	AMSE2			Media: 8	3X10	PREWEIGH	ED GLASS	Sample Date:	5/9/2023 6:33:00 AM
					Analysis Date		Reporting Limit		_	_		
Analyte			Method		Date	Volume	Limit		Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.B		05/18/23	1783530 L	1000 ug				28000 ug	16 ug/M3
Copper			40 CFR Part 50	Appendix G	05/19/23	1783530 L	98 ug				146 ug	0.082 ug/M3
Lead			40 CFR Part 50	Appendix G	05/19/23	1783530 L	14 ug				< 14 ug	< 0.008 ug/M3
Mangane	ese		40 CFR Part 50	Appendix G	05/19/23	1783530 L	98 ug				< 98 ug	< 0.055 ug/M3
Lab ID:	B137027005	Sample ID:	PM031423-19	AMSE1			Media: 8	3X10	PREWEIGH	ED GLASS	Sample Date:	5/10/2023 6:40:00 AM
		·									•	
Analyte			Method		Analysis Date	Volume	Reporting Limit		Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		05/18/23	1751530 L	1000 ug				42400 ug	24 ug/M3
Lab ID:	B137027006	Sample ID:	TSP031423-20	AMSE1			Media: 8	3X10	PREWEIGH	ED GLASS	Sample Date:	5/10/2023 6:40:00 AM
					Analysis		Reporting					
Analyte			Method		Date	Volume	Limit		Front	Rear	Total	Concentration
Total Su	spended Partice	ulates	40CFR50 App.B		05/18/23	1661140 L	1000 ug				76400 ug	46 ug/M3
Copper			40 CFR Part 50	Appendix G	05/19/23	1661140 L	98 ug				326 ug	0.196 ug/M3
Lead			40 CFR Part 50	Appendix G	05/19/23	1661140 L	14 ug				18.9 ug	0.011 ug/M3
Mangane	ese		40 CFR Part 50	Appendix G	05/19/23	1661140 L	98 ug				< 98 ug	< 0.059 ug/M3
Lab ID:	B137027007	Sample ID:	PM031423-21	AMSE2			Media: 8	3X10	PREWEIGH	ED GLASS	Sample Date:	5/10/2023 6:34:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit		Front	Rear	Total	Concentration

Report ID:: B137027-202306061803



Final Report

Analyte Method Date Date Date Volume Reporting Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 05/18/23 1777300 L 1000 ug 17100 ug 10 ug/M3 Lab ID: B137027008 Sample ID: TSP031423-22 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/10/2023 Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 05/18/23 1783330 L 1000 ug 32500 ug 18 ug/M3 Copper 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug 98 ug 98 ug 0.055 ug/M3 Lead 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug 98 ug 98 ug 0.055 ug/M3 Lab ID: B137027009 Sample ID: PM031423-23 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023 Analyte Method Anal	23 6:34:00 AM
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40 CFR50 App. J 05/18/23 1777300 L 1000 ug 17100 ug 10 ug/M3 Lab ID: B137027008 Sample ID: TSP031423-22 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/10/2023 Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App. B 05/18/23 1783330 L 1000 ug 32500 ug 18 ug/M3 Copper 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug < 98 ug	
Lab ID: B137027008 Sample ID: TSP031423-22 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/10/2023 Analyte Method Date Volume Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR50 App.B 05/18/23 1783330 L 1000 ug 32500 ug 18 ug/M3 Copper 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug < 98 ug < 0.055 ug/M3 Lead 40 CFR Part 50 Appendix G 05/19/23 1783330 L 14 ug < 14 ug < 0.008 ug/M3 Manganese 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug < 98 ug < 0.055 ug/M3 Lab ID: B137027009 Sample ID: PM031423-23 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023 Analysis Date Volume Limit Front Rear Total Concentration Analysis Date Volume Limit Front Rear Total<	
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App.B 05/18/23 1783330 L 1000 ug 32500 ug 18 ug/M3 Copper 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug 98 ug 98 ug 0.055 ug/M3 Lead 40 CFR Part 50 Appendix G 05/19/23 1783330 L 14 ug 14 ug 14 ug 0.055 ug/M3 Lab ID: B137027009 Sample ID: PM031423-23 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023 Analysis Date Volume Reporting Limit Front Rear Total Concentration Analysis Date Volume Nedia: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023 Lab ID: B137027010 Sample ID: TSP031423-24 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023	
Analyte Method Date Volume Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR50 App.B 05/18/23 1783330 L 1000 ug 32500 ug 18 ug/M3 Copper 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug < 98 ug	23 6:34:00 AM
Copper 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug < 98 ug < 98 ug < 0.055 ug/M3 Lead 40 CFR Part 50 Appendix G 05/19/23 1783330 L 14 ug < 14 ug	
Lead 40 CFR Part 50 Appendix G 05/19/23 1783330 L 14 ug < 14 ug	
Manganese 40 CFR Part 50 Appendix G 05/19/23 1783330 L 98 ug < 98 ug < 98 ug < 98 ug < 0.055 ug/M3 Ab ID: B137027009 Sample ID: PM031423-23 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023 Analyte Method Date Volume Reporting Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 05/18/23 1753740 L 1000 ug 32900 ug 19 ug/M3 ab ID: B137027010 Sample ID: TSP031423-24 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023	
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 05/18/23 1753740 L 1000 ug 32900 ug 19 ug/M3 ab ID: B137027010 Sample ID: TSP031423-24 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023	
Analyte Method Date Volume Reporting Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 05/18/23 1753740 L 1000 ug 32900 ug 19 ug/M3 Lab ID: B137027010 Sample ID: TSP031423-24 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023	
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 05/18/23 1753740 L 1000 ug 32900 ug 19 ug/M3 Lab ID: B137027010 Sample ID: TSP031423-24 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023 Analysis Reporting	23 6:41:00 AM
Lab ID: B137027010 Sample ID: TSP031423-24 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/11/2023 Analysis Reporting	
Analysis Reporting	
	23 6:41:00 AM
Total Suspended Particulates 40CFR50 App.B 05/18/23 1665510 L 1000 ug 70000 ug 42 ug/M3	
Copper 40 CFR Part 50 Appendix G 05/19/23 1665510 L 98 ug 410 ug 0.246 ug/M3	
Lead 40 CFR Part 50 Appendix G 05/19/23 1665510 L 14 ug 18.6 ug 0.011 ug/M3	

Report ID::

B137027-202306061803

Analysis Report Section - Page 4

Lab ID: B137027010	Sample ID:	TSP031423-24	AMSE1			Media:	8X10 PRI	EWEIGHE	D GLASS	Sample Date:	5/11/2023 6:41:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Fro	ont	Rear	Total	Concentration
Manganese		40 CFR Part 50	Appendix G	05/19/23	1665510 L	98 ug				< 98 ug	< 0.059 ug/M3
Lab ID: B137027011	Sample ID:	PM031423-25	AMSE2			Media:	8X10 PRI	EWEIGHE	ED GLASS	Sample Date:	5/11/2023 6:35:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit) Fro	ont	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		05/18/23	1783330 L	1000 ug				13400 ug	8 ug/M3
Lab ID: B137027012	Sample ID:	TSP031523-01	AMSE2			Media:	8X10 PRI	EWEIGHE	D GLASS	Sample Date:	5/11/2023 6:35:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit) Fro	ont	Rear	Total	Concentration
Analyte Total Suspended Partic	culates	Method 40CFR50 App.B	3	•	Volume 1781390 L		_	ont	Rear	Total 24500 ug	Concentration 14 ug/M3
	culates			Date 05/18/23		Limit	_	ont	Rear		
Total Suspended Partic	culates	40CFR50 App.B	Appendix G	05/18/23 05/19/23	1781390 L	Limit 1000 ug	_	ont	Rear	24500 ug	14 ug/M3
Total Suspended Partic	culates	40CFR50 App.B 40 CFR Part 50	Appendix G Appendix G	05/18/23 05/19/23 05/19/23	1781390 L 1781390 L	1000 ug 98 ug	_	ont	Rear	24500 ug < 98 ug	14 ug/M3 < 0.055 ug/M3
Total Suspended Partic	culates Sample ID:	40CFR50 App.B 40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G	05/18/23 05/19/23 05/19/23	1781390 L 1781390 L 1781390 L	1000 ug 98 ug 14 ug 98 ug	Fro		Rear	24500 ug < 98 ug < 14 ug	14 ug/M3 < 0.055 ug/M3 < 0.008 ug/M3
Total Suspended Partic Copper Lead Manganese		40CFR50 App.B 40 CFR Part 50 40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G Appendix G	05/18/23 05/19/23 05/19/23	1781390 L 1781390 L 1781390 L	1000 ug 98 ug 14 ug 98 ug	Fro	EWEIGHE		24500 ug < 98 ug < 14 ug < 98 ug	14 ug/M3 < 0.055 ug/M3 < 0.008 ug/M3 < 0.055 ug/M3

										_	
Lab ID: B137027014	Sample ID:	TSP031523-03	AMSE1				Media:	8X10 PREWEI	SHED GLASS	Sample Date:	5/11/2023 3:01:00 PM
				Analysis			Reporting	9			
Analyte		Method		Date	Volume		Limit	Front	Rear	Total	Concentration
Total Suspended Partic	ulates	40CFR50 App.B	3	05/18/23	572900	L	1000 ug			28800 ug	50 ug/M3
Copper		40 CFR Part 50	Appendix G	05/19/23	572900	L	98 ug			268 ug	0.467 ug/M3
Lead		40 CFR Part 50	Appendix G	05/19/23	572900	L	14 ug			< 14 ug	< 0.024 ug/M3
Manganese		40 CFR Part 50	Appendix G	05/19/23	572900	L	98 ug			< 98 ug	< 0.171 ug/M3
Lab ID: B137027015	Sample ID:	PM031523-04	AMSE2				Media:	8X10 PREWEI	GHED GLASS	Sample Date:	5/11/2023 3:14:00 PM
				Analysis			Reporting	9			
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Analyte PM10 Particulates		Method 40CFR50 App.J		•	Volume 637660	L		•	Rear	Total 7400 ug	Concentration 12 ug/M3
<u> </u>				Date		L	Limit	•	Rear		
<u> </u>	Sample ID:		AMSE2	Date		L	Limit 1000 ug	•			
PM10 Particulates	Sample ID:	40CFR50 App.J		Date		L	Limit 1000 ug	Front		7400 ug	12 ug/M3
PM10 Particulates	Sample ID:	40CFR50 App.J		Date 05/18/23 Analysis		L	Limit 1000 ug Media:	Front 8X10 PREWEK		7400 ug	12 ug/M3
PM10 Particulates	Sample ID:	40CFR50 App.J		Date 05/18/23		L	1000 ug Media:	Front 8X10 PREWEK		7400 ug	12 ug/M3
PM10 Particulates Lab ID: B137027016		40CFR50 App.J TSP031523-05	AMSE2	Date 05/18/23 Analysis	637660		Limit 1000 ug Media:	Front 8X10 PREWEIG	GHED GLASS	7400 ug Sample Date:	12 ug/M3 5/11/2023 3:14:00 PM
PM10 Particulates Lab ID: B137027016 Analyte		40CFR50 App.J TSP031523-05 Method	AMSE2	05/18/23 Analysis Date 05/18/23	637660 Volume	L	Limit 1000 ug Media: Reporting Limit	Front 8X10 PREWEIG	GHED GLASS	7400 ug Sample Date:	12 ug/M3 5/11/2023 3:14:00 PM Concentration
PM10 Particulates Lab ID: B137027016 Analyte Total Suspended Particulates		40CFR50 App.J TSP031523-05 Method 40CFR50 App.B	AMSE2 Appendix G	05/18/23 Analysis Date 05/18/23 05/18/23	637660 Volume 638310	L L	Limit 1000 ug Media: Reporting Limit 1000 ug	Front 8X10 PREWEIG	GHED GLASS	7400 ug Sample Date: Total 13400 ug	12 ug/M3 5/11/2023 3:14:00 PM Concentration 21 ug/M3



Final Report

General Laboratory Comments

Abbreviations:

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

Report ID:: B137027-202306061803

Gilbane Federal

COC # 051623AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Pro	ject Name: Hunters Point S		Lab	orat	ory:	EUR	OFIN	IS BU	JILT	ENV	IRO	NMENT TESTING ANALY	TICS. ASH	HLAND.	VA	Event: F	Parcel E Phase 2 Air			
Pro	ject Number: J310000400		habitara" [РО													Monito	
WE	S Code: J310000400-016	4-15		To the later of		Shi	p to:	1032	29 St	ony	Run	ane	, Ash	lan	d, VA 23005					
Comments:					poq			n Cu							Code Matrix A Air Code Container/Preservative 1 1x Envelope, None	, 0.2				Page 1 of 4
qı		Analytical Test Mett	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn				2	3	\									
	Event: Parcel E Phase 2 Air	Monitorin	g			1	1	1							\				No. of Science	
7	Sample ID	Matrix	Date	Time	Samp Init.										Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM031423-15	А	05/09/2023	0640		Х		-					П		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
	TSP031423-16	А	05/09/2023	0640			X	x			<	1	/		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
	DM024402 47	Α	05/09/2023	06 33		х		\top	T		7	FEL	23	,	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
	PM031423-17		COLOCIECEO	1 00/1																

Relinguished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	5/16/23	1400	Peder	5/16/23	1400	Shipping Date: 5/16/2023 / FEDEX / 7720 3795 1950
				5/17/23		
		76:				S/17/23 (UStrutt Studies)
						5/17/23 Custody Seals

Gilbane Federal

05/10/2023

1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

COC#

N1

AMSE2

0.00

0.00

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051623AIRE



_						_												AN ASPC PENSTRAL	CON-PROF
	roject Name: Hunters Point		Parcel E RA P	hase 2	7			ory: E	URC	FINS	BUI	ILT E	NVIF	ONMENT TESTING ANAL	YTICS, ASH	HLAND,	VA		rcel E Phase 2 Air
_	roject Number: J310000400	milita'	The state of the	The second	1-1-1-1	PC	C:									-147	Light	Monitorii	ng
W	/BS Code: J310000400-016		1101 /			Shi	p to:	1032	9 Sto	ny R	un La	ane,	Ashla	nd, VA 23005			1		
	omments: quipment:				Analytical Test Method	CAAIR - Air PM10	rTSP	SW6010B - Air Pb Mn Cu		X	(6)	22		Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	е				Page 2 of 4
	Event: Parcel E Phase 2 A	ir Monitorin			Ą	1	Street, or	30		A STATE OF		Check C							
									201	1	200	100	975	A THE RESERVE THE PARTY OF THE					
	LVOIL Faice E Filase 27	un ivioritorii	9				-			-		-			To .				
				Time	Samp										Sample		(ft bgs)		
1	Sample ID	Matrix	Date	Time	Samp Init.									Location ID	Туре	Top -	Bottom	Cooler	Comments
1	Sample ID PM031423-19	Matrix A	Date 05/10/2023	0640		×								Location ID AMSE1	P. C.			Cooler 1	The second secon
1 2 3	Sample ID PM031423-19 TSP031423-20	Matrix	Date					×			SAV			The State of the Late of the L	Туре	Top -	Bottom	Cooler 1	Comments VOLUME (M3): VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	5/16/23	1400	Polex	5/16/23	1400	Shipping Date: 5/16/2023 / FEDEX / 7720 3795 1950
				5/17/23	11:30	
						Paccipad by Laboratory (Signature, Date, Time) & condition 5/17/23
						Clus Intach

4 TSP031423-22

Turnaround Time: 5 days

VOLUME (M3):

Gilbane Federal

1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

COC # 051623AIRE



																AT ABOUT THAT	TRIAL COMMANY			
Pro	oject Name: Hunters Point Sh	ipyard,	Parcel E RA F	Phase 2		Lab	orat	ory:	EUR	OFIN	IS BU	JILT	ENV	IRC	NMENT TESTING ANALY	TICS, ASH	HLAND.	VA		Parcel E Phase 2 Air
Pro	oject Number: J310000400	0	The state of the s	Tree and		PO													Monito	
WE	3S Code: J310000400-016			2 11/2	n and	Shi	p to:	103	29 S	tony I	Run L	ane	, Ash	nlan	d, VA 23005				1	
Co	Comments:							1	\						Code Matrix A Air					Page 3 of 4
					Method	0		b Mn Cu			X			/	Code Container/Preservative 1 1x Envelope, None					
Eq	uipment:				Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb				¥	(X	1						
	Event: Parcel E Phase 2 Air M	1onitorin	g			1	1	1												
	Sample ID	Matrix	Date	Time	Samp Init.							100	I A		Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM031423-23	Α	05/11/2023	0641		Х		1							AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031423-24	Α	05/11/2023	0641			X	Х				1		/	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031423-25	Α	05/11/2023	0635		X					2	M	61	5	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP031523-01	Α	05/11/2023	0635		П	Х	X					7		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Tur	naround Time: 5 days		-					gale I												

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	5/16/23	1400	Redox	5/16/23	1400	Shipping Date: 5/16/2023 / FEDEX / 7720 3795 1950
				5/17/23	11:30	
				N.		Received by Laboratory: (Signature, Date, Time) & condition
			,			11:30 Seats Judges

Gilbane Federal

COC # 051623AIRE

1301 w Fountainhead Parkway, Suite 550, Tempe, Arizona 85282



Project Name: Hunters Point Shipyard, Parcel E RA Phase 2		Lal	orate	ory:	EUR	OFINS	S BU	ILT	ENV	/IRO	NMENT TESTING ANALY	TICS. ASH	HAND	VA	Event:	Parcel E Phase 2 Air
Project Number: J310000400		PO										-,,,,,,,	12, 11, 12,		Monito	
WBS Code: J310000400-016		Shi	p to:	103	29 St	ony F	Run L	ane,	Ash	nlan	d, VA 23005					
Comments:		_		1		1	_									
9											Code Matrix A Air			35		
				- 1				0.16								Page 4 of 4
							1				Code Container/Preservative		A STATE OF			
					Ŧ		1	/			1 1x Envelope, None					
	p			5		-	18/	1/								
	Method			M			15	(2)	>							
Equipment:	St M	PM10	TSP	9			'	4	フ							
	Test		.⊨	- Air				1								
	tical	1	1	108												
	Analyti	CAAIF	N0500	SW6010B					1							
Fresh Developed and the second	4	Ö			make and		-		3,000	/						
Event: Parcel E Phase 2 Air Monitoring		1	1	1												
Sample ID Matrix Date Time	Samp	12										Sample		(ft bgs)		
	Init.										Location ID	Type	-	Bottom	Cooler	Comments
1901		X		1				1	_	\dashv	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP031523-03 A 05/11/2023 [60]			Х	X			\leq	1//			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM031523-04 A 05/11/2023 1514		Х			I		5	6		2	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4 TSP031523-05 A 05/11/2023 L514			Х	X						2	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Turnaround Time: 5 days														1111		Cont Harrison

Relinquished by: (Signature)	Pate	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	51/6/23	1400	Folov	5/16/23	1400	Shipping Date: 5/16/2023 / FEDEX / 7720 3795 1950
				5/17/23	11:30	
						Received by Laboratory: (Signature, Date, Time) & condition
						5/17/23 Custodu 11:30 Suns Tubus



Proj	ect Name: Hunters Point	Shipyard, Pare	cel E RA Phase	2	
	ect Number: J310000400 S Code: J310000400-016				
	Sample ID	Matrix	Date	Time	Comments
1	PM031423-15	А	05/09/2023	0640	VOLUME (M3): 1757.14
2	TSP031423-16	A	05/09/2023	0640	VOLUME (M3): 1668.90
3	PM031423-17	A	05/09/2023	0633	VOLUME (M3): 1787.37
4	TSP031423-18	А	05/09/2023	0633	VOLUME (M3): 1783.53
5	PM031423-19	Α	05/10/2023	0640	VOLUME (M3): 1751.53
6	TSP031423-20	А	05/10/2023	0640	VOLUME (M3): 1661.14
7	PM031423-21	А	05/10/2023	0634	VOLUME (M3): 1777.73
8	TSP031423-22	А	05/10/2023	0634	VOLUME (M3): 1783.42
9	PM031423-23	А	05/11/2023	0641	VOLUME (M3): 1753.74
10	TSP031423-24	А	05/11/2023	0641	VOLUME (M3): 1665.51
11	PM031423-25	A	05/11/2023	0635	VOLUME (M3): 1783.33
12	TSP031523-01	А	05/11/2023	0635	VOLUME (M3): 1781.39
13	PM031523-02	А	05/11/2023	1501	VOLUME (M3): 603.44
14	TSP031523-03	А	05/11/2023	1501	VOLUME (M3): 572.90
15	PM031523-04	А	05/11/2023	1514	VOLUME (M3): 637.66
16	TSP031523-05	А	05/11/2023	1514	VOLUME (M3): 638.31

Sample ID	Cubic Meter	Volume (L)
PM031423-15	1757.14	1757140
TSP031423-16	1668.9	1668900
PM031423-17	1787.37	1787370
TSP031423-18	1783.53	1783530
PM031423-19	1751.53	1751530
TSP031423-20	1661.14	1661140
PM031423-21	1777.3	1777300
TSP031423-22	1783.33	1783330
PM031423-23	1753.74	1753740
TSP031423-24	1665.51	1665510
PM031423-25	1783.33	1783330
TSP-031523-01	1781.39	1781390
PM031523-02	603.44	603440
TSP031523-03	572.9	572900
PM031523-04	637.66	637660
TSP031523-05	638.31	638310
		0
		0
		0



Level 2 QA/QC Summary Report

Work Order #: B137027 Report Date: 6/6/2023

Batch ID:ICP230518BAnalysis Date:5/19/2023Media::8X10PW GFFPreparation Date5/18/2023

Blank Spike Results

Percent Recovery

QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP23	BLKSPK	Copper	91	94	75-125	2.0	25
LCS ICP23	BLKSPK	Lead	94	95	75-125	1.0	25
LCS ICP23	BLKSPK	Manganese	91	92	75-125	0.0	25

Method Blank Results

QC ID	QC Type	Parameter	Result	RL	Units
LMB ICP2	LMB	Copper	< 98	98	ug
LMB ICP2	LMB	Lead	< 14	14	ug
LMB ICP2	LMB	Manganese	< 98	98	ug

June 1, 2023

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

Laboratory Workorder ID: B144037

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: May 24, 2023 Reported: June 1, 2023

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

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

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

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



Enclosures

Report ID: B144037-202306012337



Final Report

AIS-GES, LLC Customer: PARCELE1 Date Received: 05/24/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

Client Project ID J310000400 PARCEL E HUNTERS TEMPE, AZ 85282 PO Number J310000400-016

Analyte Method Date Date Volume Reporting Limit Front Rear Total Concentration Lab ID: B144037002 Sample ID: TSP021723-11 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/16/2023 6:43:00 AM Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 05/25/23 1648880 L 1000 ug 46500 ug 28 ug/M3 Copper 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 98 ug 971.1 ug 0.5889 ug/M3 Lead 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 14 ug < 14 ug < 14 ug < 98 ug < 98 ug < 98 ug < 98 ug < 98 ug < 0.0085 ug/M3	,										,	PT
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 05/25/23 1742690 L 1000 ug 21100 ug 12 ug/M3 Lab ID: 8144037002 Sample ID: TSP021723-11 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/16/2023 6:43:00 AM Analyte Method Analysis Date Volume Pront Rear Rear Total Concentration Total Suspended Particulates 40CFR50 App.B Date: 05/25/23 1648880 L 1000 ug 46500 ug 28 ug/M3 Copper 40CFR50 App.B Mod./EPA 05/31/23 1648880 L 98 ug 971.1 ug 0.5889 ug/M3 Lead 40CFR50 App.B Mod./EPA 05/31/23 1648880 L 14 ug 14 ug 414 ug 400585 ug/M3 Manalyte 40CFR50 App.G Mod./EPA 05/31/23 1648880 L 98 ug 414 ug 98 ug 400594 ug/M3 Lab ID: 8144037003 Sample ID: PM031223-01 AMSE2 Media: 8X10 PREWEIGHED GLASS	Lab ID:	B144037001	Sample ID:	PM021723-10	AMSE1			Media:	8X10 PREW	EIGHED GLASS	Sample Date:	5/16/2023 6:43:00 AM
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 05/25/23 1742690 L 1000 ug 21100 ug 12 ug/M3 Lab ID: 8144037002 Sample ID: TSP021723-11 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/16/2023 6:43:00 AM Analyte Method Analysis Date Volume Pront Rear Rear Total Concentration Total Suspended Particulates 40CFR50 App.B Date: 05/25/23 1648880 L 1000 ug 46500 ug 28 ug/M3 Copper 40CFR50 App.B Mod./EPA 05/31/23 1648880 L 98 ug 971.1 ug 0.5889 ug/M3 Lead 40CFR50 App.B Mod./EPA 05/31/23 1648880 L 14 ug 14 ug 414 ug 400585 ug/M3 Manalyte 40CFR50 App.G Mod./EPA 05/31/23 1648880 L 98 ug 414 ug 98 ug 400594 ug/M3 Lab ID: 8144037003 Sample ID: PM031223-01 AMSE2 Media: 8X10 PREWEIGHED GLASS												
Lab ID: B144037002 Sample ID: TSP021723-11 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/16/2023 6:43:00 AM Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 05/25/23 1648880 L 1000 ug 46500 ug 28 ug/M3 Copper 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 98 ug 971.1 ug 0.5889 ug/M3 Lead 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 14 ug < 14 ug < 14 ug < 0.0085 ug/M3 Manganese 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 14 ug < 98 ug < 98 ug < 98 ug < 0.0085 ug/M3 Lab ID: B144037003 Sample ID: PM031223-01 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/16/2023 6:30:00 AM	Analyte			Method		•	Volume		•	Rear	Total	Concentration
Analyte Method Date Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 05/25/23 1648880 L 1000 ug 46500 ug 28 ug/M3 Copper 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 98 ug 971.1 ug 0.5889 ug/M3 Lead 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 14 ug < 14 ug < 14 ug < 0.0085 ug/M3 Manganese 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 98 ug < 98 ug < 98 ug < 98 ug < 0.0594 ug/M3 Lab ID: B144037003 Sample ID: PM031223-01 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/16/2023 6:30:00 AM Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration	PM10 Pa	articulates		40CFR50 App.J	J	05/25/23	1742690 L	1000 ug			21100 ug	12 ug/M3
Analyte Method Date Volume Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 05/25/23 1648880 L 1000 ug 46500 ug 28 ug/M3 Copper 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 98 ug 971.1 ug 0.5889 ug/M3 Lead 40CFR50App.G Mod./EPA 6010B 05/31/23 1648880 L 14 ug < 14 ug	Lab ID:	B144037002	Sample ID:	TSP021723-11	AMSE1			Media:	8X10 PREW	EIGHED GLASS	Sample Date:	5/16/2023 6:43:00 AM
Copper	Analyte			Method		•	Volume		•	Rear	Total	Concentration
Lead	Total Su	spended Partic	ulates	40CFR50 App.E	3	05/25/23	1648880 L	1000 ug			46500 ug	28 ug/M3
Manganese	Copper				Mod./EPA	05/31/23	1648880 L	98 ug			971.1 ug	0.5889 ug/M3
Lab ID: B144037003 Sample ID: PM031223-01 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/16/2023 6:30:00 AM Analyte Method Date Volume Front Rear Total Concentration	Lead				Mod./EPA	05/31/23	1648880 L	14 ug			< 14 ug	< 0.0085 ug/M3
Analysis Reporting Analyte Method Date Volume Limit Front Rear Total Concentration	Mangane	ese			Mod./EPA	05/31/23	1648880 L	98 ug			< 98 ug	< 0.0594 ug/M3
Analyte Method Date Volume Limit Front Rear Total Concentration	Lab ID:	B144037003	Sample ID:	PM031223-01	AMSE2			Media:	8X10 PREW	EIGHED GLASS	Sample Date:	5/16/2023 6:30:00 AM
PM10 Particulates 40CFR50 App.J 05/25/23 1780280 L 1000 ug 11000 ug 6 ug/M3	Analyte			Method		•	Volume		•	Rear	Total	Concentration
	PM10 Pa	articulates		40CFR50 App.J	J	05/25/23	1780280 L	1000 ug			11000 ug	6 ug/M3

Lab ID: B144037004 Sa	mple ID:	TSP031223-02	AMSE2			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	5/16/2023 6:30:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Particulate	es	40CFR50 App.B		05/25/23	1789320 L	1000 ug			29200 ug	16 ug/M3
Copper		40CFR50App.G 6010B	Mod./EPA	05/31/23	1789320 L	98 ug			198.2 ug	0.1108 ug/M3
Lead		40CFR50App.G 6010B	Mod./EPA	05/31/23	1789320 L	14 ug			< 14 ug	< 0.0078 ug/M3
Manganese		40CFR50App.G 6010B	Mod./EPA	05/31/23	1789320 L	98 ug			< 98 ug	< 0.0548 ug/M3
Lab ID: B144037005 Sa	mple ID:	PM031523-06	AMSE1			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	5/17/2023 6:50:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		05/25/23	1310950 L	1000 ug			30300 ug	23 ug/M3
Lab ID: B144037006 Sa	mple ID:	TSP031523-07	AMSE1			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	5/17/2023 6:50:00 AM
Ameliate		Method		Analysis Date	., .	Reporting Limit	Front	Rear	Tatal	Concentration
Analyte		Wiethou		Date	Volume		FIOIIL	Rear	Total	Concentration
Total Suspended Particulate	es	40CFR50 App.B		05/25/23	1242820 L	1000 ug	FIOIIL	Rear	64400 ug	52 ug/M3
	es						FIOIL	Rear		
Total Suspended Particulate	es	40CFR50 App.B 40CFR50App.G	Mod./EPA	05/25/23	1242820 L	1000 ug	FIOIL	Real	64400 ug	52 ug/M3



Lab ID:	B144037007	Sample ID:	PM031523-08	AMSE2			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	5/17/2023 6:33:00 AM
Analyte	.		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		05/25/23	1775700 L	1000 ug			18200 ug	10 ug/M3
Lab ID:	B144037008	Sample ID:	TSP031523-09	AMSE2			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	5/17/2023 6:33:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Partic	culates	40CFR50 App.E	3	05/25/23	1778520 L	1000 ug			36600 ug	21 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	05/31/23	1778520 L	98 ug			203.7 ug	0.1145 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	05/31/23	1778520 L	14 ug			< 14 ug	< 0.0079 ug/M3
Mangar	nese		40CFR50App.G 6010B	Mod./EPA	05/31/23	1778520 L	98 ug			< 98 ug	< 0.0551 ug/M3
Lab ID:	B144037009	Sample ID:	PM031523-10	AMSE1			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	5/18/2023 6:46:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		05/25/23	1751390 L	1000 ug			22500 ug	13 ug/M3
Lab ID:	B144037010	Sample ID:	TSP031523-11	AMSE1			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	5/18/2023 6:46:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Partic	culates	40CFR50 App.E	3	05/25/23	1655240 L	1000 ug			54300 ug	33 ug/M3

I ah IDi	B144037010	Sample ID:	TSP031523-11	AMSE1			Modio: 9V	(10 PREWEIGH	JED CLASS	Sample Date:	5/18/2023 6:46:00 AM
Lab ID.	D144037010	Sample ID.	13F031523-11	AIVISET			ivieula. ox	TO PREWEIGE	IED GLASS	Sample Date.	3/16/2023 6.46.00 AW
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Copper			40CFR50App.G 6010B	Mod./EPA	05/31/23	1655240 L	98 ug			938.6 ug	0.567 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	05/31/23	1655240 L	14 ug			< 14 ug	< 0.0085 ug/M3
Mangar	nese		40CFR50App.G 6010B	Mod./EPA	05/31/23	1655240 L	98 ug			< 98 ug	< 0.0592 ug/M3
Lab ID:	B144037011	Sample ID:	PM031523-12	AMSE2			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	5/18/2023 6:32:00 AM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		05/25/23	1774570 L	1000 ug			14400 ug	8 ug/M3
Lab ID:	B144037012	Sample ID:	TSP031523-13	AMSE2			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	5/18/2023 6:32:00 AM
					Analysis		Danastina				
Analyte	9		Method		Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
	uspended Partic	ulates	Method 40CFR50 App.E	3		Volume 1778090 L		Front	Rear	Total 28900 ug	Concentration 16 ug/M3
	uspended Partic	ulates			Date		Limit	Front	Rear		
Total Su	uspended Partic	ulates	40CFR50 App.E 40CFR50App.G	Mod./EPA	Date 05/25/23	1778090 L	Limit 1000 ug	Front	Rear	28900 ug	16 ug/M3



Final Report

Lab ID: B144037013	Sample ID:	PM031523-14	AMSE1				Media: 8	8X10 PREWEIGI	HED GLASS	Sample Date:	5/18/2023 2:02:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		05/25/23	430730	L	1000 ug			4300 ug	10 ug/M3
Lab ID: B144037014	Sample ID:	TSP031523-15	AMSE1				Media: 8	8X10 PREWEIGH	HED GLASS	Sample Date:	5/18/2023 2:02:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Partic	ulates	40CFR50 App.E	3	05/25/23	500140	L	1000 ug			9200 ug	18 ug/M3
Copper		40CFR50App.G 6010B	Mod./EPA	05/31/23	500140	L	98 ug			111.1 ug	0.2221 ug/M3
Lead		40CFR50App.G 6010B	Mod./EPA	05/31/23	500140	L	14 ug			< 14 ug	< 0.028 ug/M3
Manganese		40CFR50App.G 6010B	Mod./EPA	05/31/23	500140	L	98 ug			< 98 ug	< 0.1959 ug/M3
Lab ID: B144037015	Sample ID:	PM031523-16	AMSE2				Media: 8	8X10 PREWEIGH	HED GLASS	Sample Date:	5/18/2023 1:48:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		05/25/23	535950	L	1000 ug			3400 ug	6 ug/M3
Lab ID: B144037016	Sample ID:	TSP031523-17	AMSE2				Media: 8	8X10 PREWEIGH	HED GLASS	Sample Date:	5/18/2023 1:48:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Partic		40CFR50 App.E biased low.	3	05/25/23	532980	L	1000 ug			< 1000 ug	< ug/M3

Report ID:: B144037-202306012337

Analysis Report Section - Page 6

Final Report

Lab ID: B144037016	Sample ID:	TSP031523-17	AMSE2			Media: 8X1	10 PREWEIG	HED GLASS	Sample Date:	5/18/2023 1:48:00 PM
				Analysis		Reporting				
Analyte		Method		Date	Volume	Limit	Front	Rear	Total	Concentration
Copper		40CFR50App.G N 6010B	/lod./EPA	05/31/23	532980 L	98 ug			< 98 ug	< 0.1839 ug/M3
Lead		40CFR50App.G N 6010B	/lod./EPA	05/31/23	532980 L	14 ug			< 14 ug	< 0.0263 ug/M3
Manganese		40CFR50App.G N 6010B	/lod./EPA	05/31/23	532980 L	98 ug			< 98 ug	< 0.1839 ug/M3

Report ID:: B144037-202306012337



Final Report

General Laboratory Comments

Abbreviations:

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

Report ID:: B144037-202306012337 Analysis Report Section - Page 8

Gilbane Federal

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05/16/2023

COC # 052323AIRE

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GE	B144037

VOLUME (M3):

1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

																			AN ABRIC NOLITE	
Pro	pject Name: Hunters Point Sh	ipyard,	Parcel E RA P	Phase 2		Lab	orato	ory: E	URO	FINS	BUI	LT E	NV	IRO	NMENT TESTING ANALYT	ICS, ASH	LAND, \	VΑ		Parcel E Phase 2 Air
Pro	oject Number: J310000400					PO	C: \$												Monito	ing
WE	3S Code: J310000400-016				THE W	Shi	p to:	1032	9 Stor	ny R	un La	ane,	Ash	land	d, VA 23005					
Co	mments:	142 4	×	8	ethod			Pb Mn Cu		Ž	72				Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 1 of 4
Eq	uipment:				Analytical Test Method	CAAIR - Air PM10	TS	SW6010B - Air Pb				2	3							
	Event: Parcel E Phase 2 Air N	Monitorin	g			1	1	1												
	Sample ID	Matrix	Date	Time	Samp Init.	24									Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM021723-10	A	05/16/2023	0643	mit.	Х		-				_		_	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2		A	05/16/2023	0643		$\stackrel{\wedge}{-}$	X	x				\dashv	1	\dashv	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031223-01	A	05/16/2023	0630		Х	$\stackrel{\sim}{+}$	+			X	7 7	1	\dashv	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
		-	53/10/2020	1630		^`	_	_		1	17	24	17	1	,					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	5/23/23	1400	, Andex	5/23/23	1400	Shipping Date: 5/23/2023 / FEDEX / 7720 9280 0067
				5/24/13	1221	ory: (Signature, Date, Time) & condition
						-5/24/23 CUSTOCKY
						intact

4 TSP031223-02

Turnaround Time: 5 days

Gilhane Federal

1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

052323AIRE



Project Name: Hunters Point Shipyard, Parcel E RA Phase 2	l	Labo	orato	ory:	EUR	OFIN	NS E	BUIL	_T E	NV	IRO	NMENT TESTING ANALYT	ICS, ASH	LAND, \	/A	Event: Parcel E Phase 2 Air	
Project Number: J310000400	F	POC):													Monitor	ing
WBS Code: J310000400-016	5	Ship	to:	103	29 S	tony	Rur	n La	ne,	Ash	land	d, VA 23005					
Comments:	ethod			Mn Cu								Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 2 of 4
Equipment:	alytical Test M	- Air	.⊨	SW6010B - Air Pb Mn	đ			V	7	V	3						·
Event: Parcel E Phase 2 Air Monitoring		1	1	1										lbat			
Sample ID Matrix Date Time Sam		15										Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1 PM031523-06 A 05/17/2023 0650		X						1				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP031523-07 A 05/17/2023 0650		\top	X	Х			\leq	1	\neg			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM031523-08 A 05/17/2023 0633		x					P	1	8	12	2	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4 TSP031523-09 A 05/17/2023 0633			Х	х			T	T	0	18	Z	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Furnaround Time: 5 days											1						

Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
5/23/23	1400	Fedex	5/23/23	1400	Shipping Date: 5/23/2023 / FEDEX / 7720 9280 0067
			5/24/23	1221	Desired by the territory (Size to 2014 Translation
					S124123 (VS+004)
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	5/./	-//	5/ 1 1/1	5/ 1 21/	5/23/23 1400 Fodex 5/23/23 1400 5/23/23 1721

Gilbane Federal

COC # 52323AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

		AN ABOUT DECLISIONAL EXHAUSE	
Project Name: Hunters Point Shipyard, Parcel E RA Phase 2	Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA	Event: Parcel E Phase 2 Air	
Project Number: J310000400	POC	Monitoring	
WBS Code: J310000400-016	Ship to: 10329 Stony Run Lane, Ashland, VA 23005		
Comments:	Code Matrix		
	A Air	Page 3 of 4	
	Code Container/Preservative	T ago o si v	
	1 1x Envelope, None	71	

Equ	uipment:				 Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu		(X.	3	7	3			•			
	Event: Parcel E Phase 2	Air Monitorin	g			1	1	1			7					Brilly.				
					Samp					T						Sample	Depth	(ft bgs)	2	E a Manual I
	Sample ID	Matrix	Date	Time	Init			•							Location ID	Туре	Top -	Bottom	Cooler	Comments
1	PM031523-10	Α	05/18/2023	1646		Х		1	/		1				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031523-11	А	05/18/2023	0646			Х	Х			3/5	5/			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031523-12	Α	05/18/2023	0632		Х					16	X	3		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP031523-13	А	05/18/2023	0632			Х	Х				\Box	X		AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
5/23/23	1400	FERRY	5/23/23	1400	Shipping Date: 5/23/2023 / FEDEX / 7720 9280 0067
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		- sa			1221 Seal
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Gilbane Federal

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VOLUME (M3):

VOLUME (M3):

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VOLUME (M3):

GES

1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

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X

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2	Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA	Event: Parcel E Phase 2 Air
Project Number: J310000400	POC:	Monitoring
WBS Code: J310000400-016	Ship to: 10329 Stony Run Lane, Ashland, VA 23005	
Comments:	Code Matrix A Air Code Container/Preservative 1 1x Envelope, None	Page 4 of 4
Equipment: Event: Parcel E Phase 2 Air Monitoring	CAAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn C	
San San	Sample Donth /ft ha	s)
Sample ID Matrix Date Time Ini	Location ID Type Top - Botton	

Relinguished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	5/22/22	IHAA	Dodov	5/22/22	1400	Shipping Date: 5/23/2023 / FEDEX / 7720 9280 0067
_	016516)	1 10/	AGEX.	01616	1 100	
				5/21/23	1221	
				JICHI-7	1661	Received by Laboratory: (Signature, Date, Time) & condition
						S124123 Custody
						1221 Scal
						what

PM031523-14

TSP031523-15

PM031523-16

TSP031523-17

Turnaround Time: 5 days

3



Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 Event: Parcel E Phase 2 Air Monitoring

Project Number: J310000400

WBS Code: J310000400-016

	Sample ID	Matrix	Date	Time	Comments
1	PM021723-10	Α	05/16/2023	0643	VOLUME (M3): 1742.69
2	TSP021723-11	A.	05/16/2023	0643	VOLUME (M3): 1648.88
3	PM031223-01	Α	05/16/2023	0630	VOLUME (M3): 1780.28
4	TSP031223-02	Α	05/16/2023	0630	VOLUME (M3): 1789.32
5	PM031523-06	Α	05/17/2023	0650	VOLUME (M3): 1310.95
6	TSP031523-07	Α	05/17/2023	0650	VOLUME (M3): 1242.82
7	PM031523-08	Α	05/17/2023	0633	VOLUME (M3): 1775.70
8	TSP031523-09	Α	05/17/2023	0633	VOLUME (M3): 1778.52
9	PM031523-10	Α	05/18/2023	0646	VOLUME (M3): 1751.39
10	TSP031523-11	Α	05/18/2023	0646	VOLUME (M3): 1655.24
11	PM031523-12	Α	05/18/2023	0632	VOLUME (M3): 1774.57
12	TSP031523-13	Α	05/18/2023	0632	VOLUME (M3): 1778.09
13	PM031523-14	Α	05/18/2023	1402	VOLUME (M3): 430.73
14	TSP031523-15	Α	05/18/2023	1402	VOLUME (M3): 500.14
15	PM031523-16	Α	05/18/2023	1348	VOLUME (M3): 535.95
16	TSP031523-17	Α	05/18/2023	1348	VOLUME (M3): 532.98

Sample ID	Cubic Meter	Volume (L)
PM021723-10	1742.69	1742690
TSP021723-11	1648.88	1648880
PM031223-01	1780.28	1780280
TSP031223-02	1789.32	1789320
PM031523-06	1310.95	1310950
TSP031523-07	1242.82	1242820
PM031523-08	1775.7	1775700
TSP031523-09	1778.52	1778520
PM031523-10	1751.39	1751390
TSP031523-11	1655.24	1655240
PM031523-12	1774.57	1774570
TSP031523-13	1778.09	1778090
PM031523-14	430.73	430730
TSP031523-15	500.14	500140
PM031523-16	535.95	535950
TSP031523-17	532.98	532980
		0
		0
		0
		0
		0
		0
		0
		0



Level 2 QA/QC Summary Report

Work Order #: B144037 Report Date: 6/1/2023

Batch ID:ICP230526DAnalysis Date:5/31/2023Media::8X10PW GFFPreparation Date5/26/2023

Blank Spike Results

Percent Recovery

QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP23	BLKSPK	Copper	94	94	75-125	0.0	25
LCS ICP23	BLKSPK	Lead	95	95	75-125	0.0	25
LCS ICP23	BLKSPK	Manganese	98	98	75-125	0.0	25

Method Blank Results

QC ID	QC Type	Parameter	Result	RL	Units
LMB ICP2	LMB	Copper	< 98	98	ug
LMB ICP2	LMB	Lead	< 14	14	ug
LMB ICP2	LMB	Manganese	< 98	98	ug

June 6, 2023

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

Laboratory Workorder ID: B151051

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: May 31, 2023 Reported: June 6, 2023

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

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

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

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



Technical Director

Enclosures

Report ID: B151051-202306061104



Final Report

AIS-GES, LLC Customer: PARCELE1 Date Received: 05/31/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

Client Project ID J310000400 PARCEL E HUNTERS TEMPE, AZ 85282 PO Number J310000400-016

Lab ID: B151051001 Sample ID: PM031523-36 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:38:00 AM Analyte Method Date Volume Pmontance Front Rear Total Concentration Lab ID: B151051002 Sample ID: TSP031523-37 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:38:00 AM Analyte Method Analysis Date: Volume Pmontance Pmo												PT
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 06/01/23 1757590 L 1000 ug 59400 ug 34 ug/M3 Lab ID: B151051002 Sample ID: TSP031523-37 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:38:00 AM Analyte Method Analysis Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App. B 06/01/23 1660620 L 1000 ug 95200 ug 57 ug/M3 Copper 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 435 ug 0.262 ug/M3 Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 98 ug < 98 ug	Lab ID:	B151051001	Sample ID:	PM031523-36	AMSE1			Media:	8X10 PREWEIG	HED GLASS	Sample Date:	5/23/2023 6:38:00 AM
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 06/01/23 1757590 L 1000 ug 59400 ug 34 ug/M3 Lab ID: B151051002 Sample ID: TSP031523-37 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:38:00 AM Analyte Method Analysis Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App. B 06/01/23 1660620 L 1000 ug 95200 ug 57 ug/M3 Copper 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 435 ug 0.262 ug/M3 Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 98 ug < 98 ug < 98 ug < 98 ug < 98 ug < 98 ug < 98 ug < 98 ug < 98 ug < 98 ug < 0.059 ug/M3 Lab ID: B151051003 Sample ID: PM031523-38 AMSE2 Media: <												
Lab ID: B151051002 Sample ID: TSP031523-37 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:38:00 AM Analyte Method Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR50 App.B 06/01/23 1660620 L 1000 ug 95200 ug 57 ug/M3 Copper 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 435 ug 0.262 ug/M3 Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 14 ug 31.1 ug 0.019 ug/M3 Manganese 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug < 98 ug < 98 ug < 0.059 ug/M3 Lab ID: B151051003 Sample ID: PM031523-38 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:32:00 AM Analyte Method Method Media: Pronting Front Rear Total Concentration	Analyte			Method		•	Volume		•	Rear	Total	Concentration
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App.B 06/01/23 1660620 L 1000 ug 95200 ug 57 ug/M3 Copper 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 435 ug 0.262 ug/M3 Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 14 ug 31.1 ug 0.019 ug/M3 Manganese 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug < 98 ug	PM10 Pa	articulates		40CFR50 App.J		06/01/23	1757590 L	1000 ug			59400 ug	34 ug/M3
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App.B 06/01/23 1660620 L 1000 ug 95200 ug 57 ug/M3 Copper 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 435 ug 0.262 ug/M3 Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 14 ug 31.1 ug 0.019 ug/M3 Manganese 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug < 98 ug												
Analyte Method Date Volume Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR50 App.B 06/01/23 1660620 L 1000 ug 95200 ug 57 ug/M3 Copper 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 435 ug 0.262 ug/M3 Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 14 ug 31.1 ug 0.019 ug/M3 Manganese 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug < 98 ug	Lab ID:	B151051002	Sample ID:	TSP031523-37	AMSE1			Media:	8X10 PREWEIG	HED GLASS	Sample Date:	5/23/2023 6:38:00 AM
Analyte Method Date Volume Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR50 App.B 06/01/23 1660620 L 1000 ug 95200 ug 57 ug/M3 Copper 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug 435 ug 0.262 ug/M3 Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 14 ug 31.1 ug 0.019 ug/M3 Manganese 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug < 98 ug												
Total Suspended Particulates	Analysta			Mathad			Valuma		•	Door	Total	Concentration
Copper	Analyte			wethod		Dute	volume		Front	Rear	TOTAL	Concentration
Lead 40 CFR Part 50 Appendix G 06/02/23 1660620 L 14 ug 31.1 ug 0.019 ug/M3 Manganese 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug < 98 ug	Total Su	spended Partic	ulates	40CFR50 App.B		06/01/23	1660620 L	1000 ug			95200 ug	57 ug/M3
Manganese 40 CFR Part 50 Appendix G 06/02/23 1660620 L 98 ug < 98 ug < 98 ug < 0.059 ug/M3 Lab ID: B151051003 Sample ID: PM031523-38 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:32:00 AM Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration	Copper			40 CFR Part 50	Appendix G	06/02/23	1660620 L	98 ug			435 ug	0.262 ug/M3
Lab ID: B151051003 Sample ID: PM031523-38 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 5/23/2023 6:32:00 AM Analyte Method Pate Volume Reporting Limit Front Rear Total Concentration	Lead			40 CFR Part 50	Appendix G	06/02/23	1660620 L	14 ug			31.1 ug	0.019 ug/M3
Analyte Method Pate Volume Reporting Limit Front Rear Total Concentration	Mangan	ese		40 CFR Part 50	Appendix G	06/02/23	1660620 L	98 ug			< 98 ug	< 0.059 ug/M3
Analyte Method Pate Volume Reporting Limit Front Rear Total Concentration												
Analyte Method Date Volume Limit Front Rear Total Concentration	Lab ID:	B151051003	Sample ID:	PM031523-38	AMSE2			Media:	8X10 PREWEIG	HED GLASS	Sample Date:	5/23/2023 6:32:00 AM
Analyte Method Date Volume Limit Front Rear Total Concentration												
PM10 Particulates 40CFR50 App.J 06/01/23 1791150 L 1000 ug 54000 ug 30 ug/M3	Analyte			Method		•	Volume		•	Rear	Total	Concentration
	PM10 Pa	articulates		40CFR50 App.J		06/01/23	1791150 L	1000 ug			54000 ug	30 ug/M3



Analyte			Method		Analysis Date	Volume	Reporting Limit	Fro	nt	Rear	Total	Concentration
Lab ID:	B151051007	Sample ID:	PM031523-42	AMSE2			Media:	8X10 PRE	WEIGH	HED GLASS	Sample Date:	5/24/2023 6:35:00 AM
Mangan	nese		40 CFR Part 50	Appendix G	06/02/23	907110 L	98 ug				< 98 ug	< 0.108 ug/M3
Lead			40 CFR Part 50	Appendix G	06/02/23	907110 L	14 ug				23.3 ug	0.026 ug/M3
Copper			40 CFR Part 50	Appendix G	06/02/23	907110 L	98 ug				295 ug	0.325 ug/M3
Total Su	uspended Partic	ulates	40CFR50 App.E	3	06/01/23	907110 L	1000 ug				41200 ug	45 ug/M3
Analyte	1		Method		Analysis Date	Volume	Reporting Limit	g Fro	nt	Rear	Total	Concentration
Lab ID:	B151051006	Sample ID:	TSP031523-41	AMSE1			Media:	8X10 PRE	WEIGH	HED GLASS	Sample Date:	5/24/2023 6:42:00 AM
PM10 P	articulates		40CFR50 App.J		06/01/23	958870 L	1000 ug				26300 ug	27 ug/M3
Analyte			Method		Analysis Date	Volume	Reporting Limit	Fro	nt	Rear	Total	Concentration
Lab ID:	B151051005	Sample ID:	PM031523-40	AMSE1			Media:	8X10 PRE	EWEIGH	HED GLASS	Sample Date:	5/24/2023 6:42:00 AM
Mangan	iese		40 CFR Part 50	Appendix G	06/02/23	1788490 L	98 ug				< 98 ug	< 0.055 ug/M3
Lead			40 CFR Part 50	Appendix G	06/02/23	1788490 L	14 ug				24.6 ug	0.014 ug/M3
Copper			40 CFR Part 50	Appendix G	06/02/23	1788490 L	98 ug				175 ug	0.098 ug/M3
Total Su	uspended Partic	ulates	40CFR50 App.E	3	06/01/23	1788490 L	1000 ug				89900 ug	50 ug/M3
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Fro	nt	Rear	Total	Concentration
Lab ID:	B151051004	Sample ID:	TSP031523-39	AMSE2			Media:	8X10 PRE	EWEIGH	HED GLASS	Sample Date:	5/23/2023 6:32:00 AM
				_								



Final Report

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Lab ID:	B151051007	Sample ID:	PM031523-42	AMSE2			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	5/24/2023 6:35:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		06/01/23	1785740 L	1000 ug			47200 ug	26 ug/M3
Lab ID:	B151051008	Sample ID:	TSP031523-43	AMSE2			Media: 8	X10 PREWEIGH	ED GLASS	Sample Date:	5/24/2023 6:35:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Partic	ulates	40CFR50 App.B		06/01/23	1784530 L	1000 ug			73100 ug	41 ug/M3
Copper			40 CFR Part 50	Appendix G	06/02/23	1784530 L	98 ug			< 98 ug	< 0.055 ug/M3
Lead			40 CFR Part 50	Appendix G	06/02/23	1784530 L	14 ug			22.2 ug	0.012 ug/M3
Mangar	nese		40 CFR Part 50	Appendix G	06/02/23	1784530 L	98 ug			< 98 ug	< 0.055 ug/M3
Lab ID:	B151051009	Sample ID:	PM031523-44	AMSE1			Media: 8	X10 PREWEIGH	ED GLASS	Sample Date:	5/25/2023 6:37:00 AM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		06/01/23	1747740 L	1000 ug			43600 ug	25 ug/M3
Lab ID:	B151051010	Sample ID:	TSP031523-45	AMSE1			Media: 8	X10 PREWEIGH	ED GLASS	Sample Date:	5/25/2023 6:37:00 AM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Partic	ulates	40CFR50 App.B		06/01/23	1656570 L	1000 ug			86500 ug	52 ug/M3
Copper			40 CFR Part 50	Appendix G	06/02/23	1656570 L	98 ug			536 ug	0.324 ug/M3
Lead			40 CFR Part 50	Appendix G	06/02/23	1656570 L	14 ug			32.4 ug	0.02 ug/M3

Report ID:: B15

B151051-202306061104

Analysis Report Section - Page 4

Lab ID: B151051010	Sample ID:	TSP031523-45	AMSE1			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	5/25/2023 6:37:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Manganese		40 CFR Part 50	Appendix G	06/02/23	1656570 L	98 ug			< 98 ug	< 0.059 ug/M3
Lab ID: B151051011	Sample ID:	PM031523-46	AMSE2			Media: 8.	X10 PREWEIGH	HED GLASS	Sample Date:	5/25/2023 6:29:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/01/23	1772480 L	1000 ug			26900 ug	15 ug/M3
Lab ID: B151051012	Sample ID:	TSP031523-47	AMSE2			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	5/25/2023 6:29:00 AM
									'	
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
				•	Volume 1773930 L	Reporting	Front			Concentration 23 ug/M3
Analyte		Method		Date 06/01/23		Reporting Limit	Front		Total	
Analyte Total Suspended Particu		Method 40CFR50 App.B	Appendix G	Date 06/01/23 06/02/23	1773930 L	Reporting Limit	Front		Total 40000 ug	23 ug/M3
Analyte Total Suspended Partice Copper		Method 40CFR50 App.B 40 CFR Part 50	Appendix G Appendix G	06/01/23 06/02/23 06/02/23	1773930 L 1773930 L	Reporting Limit 1000 ug 98 ug	Front		Total 40000 ug 108 ug	23 ug/M3 0.061 ug/M3
Analyte Total Suspended Partice Copper Lead		Method 40CFR50 App.B 40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G	06/01/23 06/02/23 06/02/23	1773930 L 1773930 L 1773930 L	Reporting Limit 1000 ug 98 ug 14 ug 98 ug	Front X10 PREWEIGH	Rear	Total 40000 ug 108 ug 20.5 ug	23 ug/M3 0.061 ug/M3 0.012 ug/M3
Analyte Total Suspended Partice Copper Lead Manganese	ulates	Method 40CFR50 App.B 40 CFR Part 50 40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G Appendix G	06/01/23 06/02/23 06/02/23	1773930 L 1773930 L 1773930 L	Reporting Limit 1000 ug 98 ug 14 ug 98 ug		Rear	Total 40000 ug 108 ug 20.5 ug < 98 ug	23 ug/M3 0.061 ug/M3 0.012 ug/M3 < 0.055 ug/M3

•											
Lab ID: B151051014	Sample ID:	TSP031523-49	AMSE1				Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	5/25/2023 3:02:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Partic	ulates	40CFR50 App.E	3	06/01/23	576840	L	1000 ug			25600 ug	44 ug/M3
Copper		40 CFR Part 50	Appendix G	06/02/23	576840	L	98 ug			255 ug	0.442 ug/M3
Lead		40 CFR Part 50	Appendix G	06/02/23	576840	L	14 ug			27.3 ug	0.047 ug/M3
Manganese		40 CFR Part 50	Appendix G	06/02/23	576840	L	98 ug			< 98 ug	< 0.17 ug/M3
Lab ID: B151051015	Sample ID:	PM031523-50	AMSE2				Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	5/25/2023 2:46:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Analyte PM10 Particulates		Method 40CFR50 App.J		•	Volume 606240	L			Rear	Total 5600 ug	Concentration 9 ug/M3
<u> </u>	Sample ID:		AMSE2	Date		L	Limit 1000 ug				
PM10 Particulates	Sample ID:	40CFR50 App.J		Date		L	Limit 1000 ug	Front 3X10 PREWEIGH		5600 ug	9 ug/M3
PM10 Particulates Lab ID: B151051016		40CFR50 App.J TSP031223-19	AMSE2	Date 06/01/23 Analysis	606240		Limit 1000 ug Media: 8	Front BX10 PREWEIGH	HED GLASS	5600 ug Sample Date:	9 ug/M3 5/25/2023 2:46:00 PM
PM10 Particulates Lab ID: B151051016 Analyte		40CFR50 App.J TSP031223-19 Method	AMSE2	Date 06/01/23 Analysis Date 06/01/23	606240 Volume	L	Limit 1000 ug Media: 8 Reporting Limit	Front BX10 PREWEIGH	HED GLASS	5600 ug Sample Date:	9 ug/M3 5/25/2023 2:46:00 PM Concentration
PM10 Particulates Lab ID: B151051016 Analyte Total Suspended Particulates		40CFR50 App.J TSP031223-19 Method 40CFR50 App.E	AMSE2 Appendix G	Date 06/01/23 Analysis Date 06/01/23 06/02/23	606240 Volume 605780	L L	Media: 8 Reporting Limit 1000 ug	Front BX10 PREWEIGH	HED GLASS	5600 ug Sample Date: Total 8300 ug	9 ug/M3 5/25/2023 2:46:00 PM Concentration 14 ug/M3



Final Report

General Laboratory Comments

Abbreviations:

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

Report ID:: B151051-202306061104

Gilbane Federal

COC#

053023AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2								Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA									VA			
Pro	ject Number: J310000400	301	Mar Maria	100	11111	PO	D :											27 10	Monitorin	ng
WB	S Code: J310000400-016	11/			MIN'S	Ship	to:	1032	9 Sto	ny F	Run L	ane,	, Ash	nland	I, VA 23005			4 110		
Cor	mments:				Method			Mn Cu							Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					9
Equ	uipment:				Analytical Test Me	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb I					ļ							
	Event: Parcel E Phase 2 Air I	Monitorin	g			1	1	1					- 3				60.0			
	Sample ID	Matrix	Date	Time	Samp Init.										Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM031523-36	Α	05/23/2023	0638		Х	\neg		1					П	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031523-37	Α	05/23/2023	0638			x	х			×	1	1		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031523-38	Α	05/23/2023	0632		Х	\neg	T	\top		7		BL,	2	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP031523-39	Α	05/23/2023	0632			х	Х	\top					X	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Tur	naround Time: 5 days				· · · · · ·												nen-	The same		The state of the s

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
N Constant	5/30 k3	1400	1-eder	5/30/23	1400	Shipping Date: 5/30/2023 / FEDEX / 7721 4919 0275
		19		5/31/23	14:20	Desired by Lebendary (Circulus Deta Time) 9 and Miles
- X						Received by Laboratory: (Signature, Date, Time) & condition 5/3/23 (VS-604)
			i i			14:20 Sluls Inhact

Gilbane Federal

COC#

053023AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2		Lab	orat	ory: E	EUR	OFI	NS I	BUII	LT E	ENV	IRO	NMENT TESTING ANALYT	ICS, ASH	ILAND, \	VA		Parcel E Phase 2 Air
Project Number: J310000400		PO	C										V man	100	1000	Monito	ring
WBS Code: J310000400-016	1012	Shi	p to:	1032	29 S	tony	Ru	n La	ane,	Ash	nland	d, VA 23005	L. I				
Comments: Equipment:	tical Test Method	ir PM10		10B - Air Pb Mn Cu						\		Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					
Event: Parcel E Phase 2 Air Monitoring	Analytical	1 CAAIR	0020N 1	1 SW601		23 3		N.D.	7.4		\		90.00	on 10,5 m	godinos.		
	Samp Init.											Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1 PM031523-40 A 05/24/2023 0642		Х		1	\		1	1	- 1			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP031523-41 A 05/24/2023 064Z			х	x			\downarrow	4				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM031523-42 A 05/24/2023 0635		Х		\exists	Ŧ		Ţ	1	490	17	7	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4 TSP031523-43 A 05/24/2023 0635			х	x	\top	\top	\dashv	\exists		V	7	AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	5/30/23	1400	Fode	5/30/23	1400	Shipping Date: 5/30/2023 / FEDEX / 7721 4919 0275
				5/31/23	14.20	
						Received by Laboratory: (Signature, Date, Time) & condition 5/31/23 Custody Scals
	*		Till the state of			14:20 Juster 4

Turnaround Time: 5 days

Gilbane Federal

COC#

053023AIRE



1501 w Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Project Name: Hunters Point St	ipyard, I	Parcel E RA P	hase 2		Lab	orato	ry: E	URO	FINS	SBU	ILT I	ENV	ROI	NMENT TESTING ANALYT	ICS, ASH	LAND,	VA		rcel E Phase 2 Air
Project Number: J310000400	94	A STATE OF THE STA			PO	o:												Monitorin	g
VBS Code: J310000400-016	ri i		(day,	Telf	Ship	to:	1032	9 Sto	ny R	lun L	ane,	Ash	land	d, VA 23005			1946	100	
Comments:						\neg	h	_	Т	_			\neg	Code Matrix	The second			1	
Johnness.					$ \ $		(V	1					A Air					
					П								- 1	Code Container/Preservative	#1P-15 G				
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									/					(MATERIAL) 10001010101010101010101010101010101010					
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quipment:				est M	PM10	TSP	린						- 1						
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				tical		7	B B		1										
				Analyti	CAAIR	N0500	SW6010B		1			Ιſ							
			·	Ā	ò		S	_	-				_	1					
Event: Parcel E Phase 2 Air	Monitorin	g			1	1	1				3.8						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
	1			Samp					R						Sample		(ft bgs)		
Sample ID	Matrix	Date	Time	Init.					Ь					Location ID	Туре		Bottom	Cooler	Comments
1 PM031523-44	Α	05/25/2023	0637		Х		Eu.			,				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP031523-45	Α	05/25/2023	0637			Х	Х			6				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM031523-46	А	05/25/2023	0629		х				1	74	30	5	7	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4 TSP031523-47	А	05/25/2023	0629			Х	х		T	Г		V		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
urnaround Time: 5 days	100	11111111	1019	10000										10110 10110			- Warren		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
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* s -	017-107				14:20	
				77	10 100000000000000000000000000000000000	Received by Laboratory: (Signature, Date, Time) & condition
			II .	,		5/31/23 Custody
g						4:20 Sents Turbot

Gilbane Federal

COC#

053023AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2	Labora	tory: l	URO	OFIN	IS B	UILT				
Project Number: J310000400	POC:									Monitoring
WBS Code: J310000400-016	Ship to	: 1032	29 St	ony	Run	Lane	e, As	hlan	nd, VA 23005	
Equipment:	r PM1	101							Code Matrix A Air Code Container/Preservative 1 1x Envelope, None	
Event: Parcel E Phase 2 Air Monitoring	1 1	1				1		1 1 1		
Sample ID Matrix Date Time Samp					9				Location ID Sample Depth (ft bgs) Type Top - Bottom	Cooler Comments
1 PM031523-48 A 05/25/2023 1502	Х		1						AMSE1 N1 0.00 0.00	1 VOLUME (M3):
2 TSP031523-49 A 05/25/2023 150Z	X	X			\downarrow	1	i	\top	AMSE1 N1 0.00 0.00	1 VOLUME (M3):
3 PM031523-50 A 05/25/2023 1446	х	\Box			\nearrow	42	0 -	12	AMSE2 N1 0.00 0.00	1 VOLUME (M3):
4 TSP031223-19 A 05/25/2023 1446	X	x	\top	\top	\top	↑ *	W/	17	AMSE2 N1 0.00 0.00	1 VOLUME (M3):
Turnaround Time: 5 days								1		

Relinguished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	5/30/23	1400	Feder	5/30/23	1400	Shipping Date: 5/30/2023 / FEDEX / 7721 4919 0275
				5/31/23	14:20	
						Received by Laboratory: (Signature, Date, Time) & condition 5/34/23 USTOW
						14:20 Seals Insul





Project Name: Hunters Point Shipyard, Parcel E RA Phase 2

Project Number: J310000400

Event: Parcel E Phase 2 Air Monitoring

WBS Code: J310000400-016

	Sample ID	Matrix	Date	Time	Comments
1	PM031523-36	Α	05/23/2023	0638	VOLUME (M3): 1757.59
2	TSP031523-37	Α	05/23/2023	0638	VOLUME (M3): 1660.62
3	PM031523-38	Α	05/23/2023	0632	VOLUME (M3): 1791.15
4	TSP031523-39	Α	05/23/2023	0632	VOLUME (M3): 1788.49
5	PM031523-40	Α	05/24/2023	0642	VOLUME (M3): 958.87
6	TSP031523-41	Α	05/24/2023	0642	VOLUME (M3): 907.11
7	PM031523-42	Α	05/24/2023	0635	VOLUME (M3): 1785.74
8	TSP031523-43	Α	05/24/2023	0635	VOLUME (M3): 1784.53
9	PM031523-44	Α	05/25/2023	0637	VOLUME (M3): 1747.74
10	TSP031523-45	Α	05/25/2023	0637	VOLUME (M3): 1656.57
11	PM031523-46	Α	05/25/2023	0629	VOLUME (M3): 1772.48
12	TSP031523-47	Α	05/25/2023	0629	VOLUME (M3): 1773.93
13	PM031523-48	А	05/25/2023	1502	VOLUME (M3): 611.03
14	TSP031523-49	Α	05/25/2023	1502	VOLUME (M3): 576.84
15	PM031523-50	A _.	05/25/2023	1446	VOLUME (M3): 606.24
16	TSP031223-19	Α	05/25/2023	1446	VOLUME (M3): 605.78

Sample ID	Cubic Meter	Volume (L)
PM031523-36	1757.59	1757590
TSP031523-37	1660.62	1660620
PM031523-38	1791.15	1791150
TSP031523-39	1788.49	1788490
PM031523-40	958.87	958870
TSP031523-41	907.11	907110
PM031523-42	1785.74	1785740
TSP031523-43	1784.53	1784530
PM031523-44	1747.74	1747740
TSP031523-45	1656.57	1656570
PM031523-46	1772.48	1772480
TSP031523-47	1773.93	1773930
PM031523-48	611.03	611030
TSP031523-49	576.84	576840
PM031523-50	606.24	606240
TSP031223-19	605.78	605780
		0
		0
		0



Level 2 QA/QC Summary Report

Work Order #: B151051 Report Date: 6/6/2023

Batch ID:ICP230601EAnalysis Date:6/2/2023Media::8X10PW GFFPreparation Date6/1/2023

Blank Spike Results

Percent Recovery

QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP23	BLKSPK	Copper	89	89	75-125	0.0	25
LCS ICP23	BLKSPK	Lead	98	98	75-125	0.0	25
LCS ICP23	BLKSPK	Manganese	88	87	75-125	1.0	25

Method Blank Results

QC ID	QC Type	Parameter	Result	RL	Units
LMB ICP2	LMB	Copper	< 98	98	ug
LMB ICP2	LMB	Lead	< 14	14	ug
LMB ICP2	LMB	Manganese	< 98	98	ug

June 13, 2023

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

Laboratory Workorder ID: B158037

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: June 7, 2023 Reported: June 13, 2023

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

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

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

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



Technical Director

Enclosures

Report ID: B158037-202306135307



Final Report

AIS-GES, LLC Customer: PARCELE1 Date Received: 06/07/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

Client Project ID J310000400 PARCEL E HUNTERS PT TEMPE, AZ 85282 PO Number J310000400-016

										PI
Lab ID: B158037001	Sample ID:	PM031223-20	AMSE1			Media: 8	3X10 PREWEIGH	HED GLASS	Sample Date:	5/31/2023 6:32:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/08/23	1759470 L	1000 ug			18100 ug	10 ug/M3
Lab ID: B158037002	Sample ID:	TSP031223-21	AMSE1			Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	5/31/2023 6:32:00 AM
				Analysis Date		Reporting Limit		_		
Analyte		Method		Date	Volume	Lillin	Front	Rear	Total	Concentration
Total Suspended Partic	culates	40CFR50 App.E	B	06/08/23	1664400 L	1000 ug			41200 ug	25 ug/M3
Copper		40 CFR Part 50	Appendix G	06/09/23	1664400 L	98 ug			492 ug	0.296 ug/M3
Lead		40 CFR Part 50	Appendix G	06/09/23	1664400 L	14 ug			< 14 ug	< 0.008 ug/M3
Manganese		40 CFR Part 50	Appendix G	06/09/23	1664400 L	98 ug			< 98 ug	< 0.059 ug/M3
Lab ID: B158037003	Sample ID:	PM031223-22	AMSE2			Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	5/31/2023 6:26:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/08/23	1780420 L	1000 ug			10800 ug	6 ug/M3



Final Report

Lab ID:	B158037004	Sample ID:	TSP031223-23	AMSE2			Media: 8	8X10	PREWEIGH	ED GLASS	Sample Date:	5/31/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit		Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.B		06/08/23	1786420 L	1000 ug				20700 ug	12 ug/M3
Copper			40 CFR Part 50	Appendix G	06/09/23	1786420 L	98 ug				< 98 ug	< 0.055 ug/M3
Lead			40 CFR Part 50	Appendix G	06/09/23	1786420 L	14 ug				< 14 ug	< 0.008 ug/M3
Mangan	ese		40 CFR Part 50	Appendix G	06/09/23	1786420 L	98 ug				< 98 ug	< 0.055 ug/M3
Lab ID:	B158037005	Sample ID:	PM031223-24	AMSE1			Media: 8	8X10	PREWEIGH	ED GLASS	Sample Date:	6/1/2023 6:32:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit		Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		06/08/23	1750010 L	1000 ug				64900 ug	37 ug/M3
Lab ID:	B158037006	Sample ID:	TSP031223-25	AMSE1			Media: 8	8X10	PREWEIGH	ED GLASS	Sample Date:	6/1/2023 6:32:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit		Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.B		06/08/23	1655310 L	1000 ug				141000 ug	85 ug/M3
Copper			40 CFR Part 50	Appendix G	06/09/23	1655310 L	98 ug				718 ug	0.434 ug/M3
Lead			40 CFR Part 50	Appendix G	06/09/23	1655310 L	14 ug				51.7 ug	0.031 ug/M3
Mangan	ese		40 CFR Part 50	Appendix G	06/09/23	1655310 L	98 ug				< 98 ug	< 0.059 ug/M3
Lab ID:	B158037007	Sample ID:	PM031223-26	AMSE2			Media: 8	8X10	PREWEIGH	ED GLASS	Sample Date:	6/1/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit		Front	Rear	Total	Concentration

Report ID:: B158037-202306135307

Analysis Report Section - Page 3



rillal N	vehou r										
Lab ID:	B158037007	Sample ID:	PM031223-26	AMSE2			Media: 8X1	10 PREWEIGI	HED GLASS	Sample Date:	6/1/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		06/08/23	1770380 L	1000 ug			39500 ug	22 ug/M3
_ab ID:	B158037008	Sample ID:	TSP031223-27	AMSE2			Media: 8X1	10 PREWEIGI	HED GLASS	Sample Date:	6/1/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.B		06/08/23	1777110 L	1000 ug			62800 ug	35 ug/M3
Copper			40 CFR Part 50	Appendix G	06/09/23	1777110 L	98 ug			< 98 ug	< 0.055 ug/M3
Lead			40 CFR Part 50	Appendix G	06/09/23	1777110 L	14 ug			< 14 ug	< 0.008 ug/M3
Mangan	ese		40 CFR Part 50	Appendix G	06/09/23	1777110 L	98 ug			< 98 ug	< 0.055 ug/M3
Lab ID:	B158037009	Sample ID:	PM031223-28	AMSE1			Media: 8X1	10 PREWEIGI	HED GLASS	Sample Date:	6/1/2023 3:30:00 PM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		06/08/23	654050 L	1000 ug			31500 ug	48 ug/M3
ah ID.	-		T07001000				Media: 8X1	10 PREWEIGI	HED GLASS	Sample Date:	6/1/2023 3:30:00 PM
Lab ID:	B158037010	Sample ID:	TSP031223-29	AMSE1			modiai o/t	io i itemeioi	ILD OLAGO	Sample Date.	0/1/2023 3.30.00 1 W
Lab ID: Analyte		Sample ID:	Method	AMSE1	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Analyte				AMSE1	-	Volume 620280 L	Reporting			·	
Analyte			Method		Date 06/08/23		Reporting Limit			Total	Concentration

Lab ID: B158037010	Sample ID:	TSP031223-29	AMSE1				Media: 8	X10 PREWEIGH	ED GLASS	Sample Date:	6/1/2023 3:30:00 PI
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Manganese		40 CFR Part 50	Appendix G	06/09/23	620280	L	98 ug			< 98 ug	< 0.158 ug/M3
Lab ID: B158037011	Sample ID:	PM031223-30	AMSE2				Media: 8	X10 PREWEIGH	ED GLASS	Sample Date:	6/1/2023 3:20:00 PI
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/08/23	658140	L	1000 ug			14600 ug	22 ug/M3
Lab ID: B158037012	Sample ID:	TSP031223-31	AMSE2				Media: 8	X10 PREWEIGH	ED GLASS	Sample Date:	6/1/2023 3:20:00 PI
											0/1/2023 3.20.00 1 1
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
Analyte Total Suspended Partice	ulates	Method 40CFR50 App.B		•	Volume 658790	L				·	
	ulates			Date 06/08/23			Limit			Total	Concentration
Total Suspended Partice	ulates	40CFR50 App.B	Appendix G	06/08/23 06/09/23	658790	L	Limit 1000 ug			Total 22400 ug	Concentration 34 ug/M3



Final Report

General Laboratory Comments

Abbreviations:

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

Report ID:: B158037-202306135307

Gilbane Federal

COC # 060623AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

roject Name: Hunters Point	Shipyard, F	Parcel E RA P	hase 2		Lab	orato	ry: E	URO	FINS	BUI	LTE	NVI	RON	MENT TESTING ANALY	TICS, ASH	ILAND,	VA		rcel E Phase 2 Air
roject Number: J310000400				Mark -	PO	0:										461 -		Monitorin	ng
VBS Code: J310000400-016					Ship	to: 1	032	9 Sto	ny Ri	un La	ne,	Ashl	and,	, VA 23005					
Comments:						Т		T	T	П	Т	Т	Т	Code Matrix			Trans.		
								1	1	H				A Air					Page 1 of 3
										Ш		- 1		Code Container/Preservative					
														1 1x Envelope, None					
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				ethod	Ш		Ę.		10	(A)		\prod							
quipment:				∃ ≥	410	- 1	입			J	0	11	1						
				Test	Air PM10	_	- Air				V	' 4	-7						
				tica		A - C	199			Ш	1	$\backslash \mid$							
				Analyti	CAAIR	N0500	SW6010B			Ш		λ						2	
Event: Parcel E Phase 2 A	ir Monitorin	g		4	1	1	1					0.1	1					ar.	
				Samp											Sample	Depth	(ft bgs)		
Sample ID	Matrix	Date	Time	Init.										Location ID	Type	Top -	Bottom	Cooler	Comments
1 PM031223-20	Α	05/31/2023	0632		х					1	5			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP031223-21	Α	05/31/2023	0632			X :	x					\prod		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM031223-22	А	05/31/2023	0626		х					~	IA	1	A	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4 TSP031223-23	Α	05/31/2023	0626		П	X :	х		Г	П		\	1	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
urnaround Time: 5 days				1															

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
2	6/6/23	1400	Forlov	616123	1400	Shipping Date: 6/6/2023 / FEDEX / 7722 4729 7342
		7 100	7 6467			y
				6/7/23	12:45	Bessived by Laboratory (Signature, Date, Time) & condition
						1/2/22 1.1
						12.10
						12:43 SOUS JUNE

Gilbane Federal

COC#

060623AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Pro	ject Name: Hunters Point St	nipyard, F	Parcel E RA P	hase 2		Lab	orato	ory: E	URC	FINS	SBU	ILT I	ENV	IROI	NMENT TESTING ANAL	YTICS, ASH	ILAND, '	VA		rcel E Phase 2 Air
Pro	ject Number: J310000400	out a	ale and	The year	T.0;	PO	C:										and the		Monitorin	ng
WB	S Code: J310000400-016					Shi	p to:	1032	29 Sto	ny R	Run L	ane,	, Ash	land	, VA 23005			. 11		
Cor	nments:		я			(Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	ve	- 10			Page 2 of 3		
Equ	lipment:				 Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu		(16	2	3			i.				
	Event: Parcel E Phase 2 Air	Monitorin	g			1	1	1												
	Sample ID	Matrix	Date	Time	Samp Init.										Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM031223-24	Α	06/01/2023	0632		X					11				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031223-25	Α	06/01/2023	0632			Х	X			1				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031223-26	А	06/01/2023	0626		X	\neg				6%	01	22	,	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
_	TSP031223-27	A	06/01/2023	0626			X	X	-	_	1	- 13	X	$\overline{}$	AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	616123	1400	Fedex	616/23	1400	Shipping Date: 6/6/2023 / FEDEX / 7722 4729 7342
				6/7/23	12:45	
						Becaused by Laboratory: (Signature, Date, Time) & condition 6/7/23 Cestody
12-3			1			12:45 Seals Jutact

Turnaround Time: 5 days

Gilbane Federal

COC# 060623AIRE



1501 W Fountainhead Parkway, Suite 550, Tempe, Arizona 85282

Pro	oject Name: Hunters Point S		Lab	orat	ory: I	EUR	OFIN	NS B	UIL ⁻	TEN	VIR	NMENT TESTING ANALY	TICS, ASH	ILAND,	VA		rcel E Phase 2 Air			
Pro	oject Number: J310000400	ni de di	The state			РО	C:										-100		Monitorin	g
WE	3S Code: J310000400-016					Shi	p to:	103	29 S	tony	Run	Lan	ne, A	shlar	id, VA 23005		e To plan			
Co	mments:												Code Matrix A Air Code Container/Preservative 1 1x Envelope, None		1 1			Page 3 of 3		
Eq	uipment:	-	*		 Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu				X		3		ō				
	Event: Parcel E Phase 2 Air	Monitorin	ng			1	1	1					100							
	Sample ID	Matrix	Date	Time	Samp Init.			Transco.					3		Location ID	Sample Type	19.00	(ft bgs) Bottom	Cooler	Comments
1	PM031223-28	А	06/01/2023	1530		Х		,				1			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031223-29	А	06/01/2023	1530			Х	X			1	J			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
_	PM031223-30	А	06/01/2023	1520		Х		\neg			T	धा	B	W.	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
3				1520			Х	Х	-	_	-	-	-	- 1	AMSE2	N1	0.00	0.00		VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	616/23	1400	Fedex	616/23	1400	Shipping Date: 6/6/2023 / FEDEX / 7722 4729 7342
				6/7/23	12:45	
				10		Received by Laboratory: (Signature, Date, Time) & condition 6/7/23 Cestody
						12:45 Seals Tweat



Project Name: Hunters Point Shipyard, Parcel E RA Phase 2

Project Number: J310000400

Event: Parcel E Phase 2 Air Monitoring

WBS Code: J310000400-016

	A STATE OF THE STA		all a		
	Sample ID	Matrix	Date	Time	Comments
1	PM031223-20	Α	05/31/2023	0632	VOLUME (M3): 1759.47
2	TSP031223-21	Α	05/31/2023	0632	VOLUME (M3): 1664.40
3	PM031223-22	Α	05/31/2023	0626	 VOLUME (M3): 1780.42
4	TSP031223-23	Α	05/31/2023	0626	VOLUME (M3): 1786.42
5	PM031223-24	Α	06/01/2023	0632	VOLUME (M3): 1750.01
6	TSP031223-25	Α	06/01/2023	0632	VOLUME (M3): 1655.31
7	PM031223-26	Α	06/01/2023	0626	VOLUME (M3): 1770.38
8	TSP031223-27	Α	06/01/2023	0626	VOLUME (M3): 1777.11
9	PM031223-28	Α	06/01/2023	1530	VOLUME (M3): 654.05
10	TSP031223-29	Α	06/01/2023	1530	VOLUME (M3): 620.28
	PM031223-30	Α	06/01/2023	1520	VOLUME (M3): 658.14
12	TSP031223-31	Α	06/01/2023	1520	VOLUME (M3): 658.79

Sample ID	Cubic Meter	Volume (L)
PM031223-20	1759.47	1759470
TSP031223-21	1664.4	1664400
PM031223-22	1780.42	1780420
TSP031223-23	1786.42	1786420
PM031223-24	1750.01	1750010
TSP031223-25	1655.31	1655310
PM031223-26	1770.38	1770380
TSP031223-27	1777.11	1777110
PM031223-28	654.05	654050
TSP031223-29	620.28	620280
PM031223-30	658.14	658140
TSP031223-31	658.79	658790
		0
		0
		0
		0
		0
		0
		0



Level 2 QA/QC Summary Report

Work Order #: B158037 Report Date: 6/13/2023

Batch ID:ICP230609AAnalysis Date:6/9/2023Media::8X10PW GFFPreparation Date6/9/2023

Blank Spike Results

Percent Recovery

QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP23	BLKSPK	Copper	89	87	75-125	3.0	25
LCS ICP23	BLKSPK	Lead	94	92	75-125	1.0	25
LCS ICP23	BLKSPK	Manganese	89	87	75-125	1.0	25

Method Blank Results

QC ID	QC Type	Parameter	Result	RL	Units
LMB ICP2	LMB	Copper	< 98	98	ug
LMB ICP2	LMB	Lead	< 14	14	ug
LMB ICP2	LMB	Manganese	< 98	98	ug