

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

June 1st, 2023 through June 30th, 2023

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HUNTERS POINT NAVAL SHIPYARD

SAN FRANCISCO, CALIFORNIA

June 1st, 2023 through June 30th, 2023

DCN: GESL-0005-4332-0125

Prepared for:

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Prepared by:



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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
HPNS	Hunters Point Naval Shipyard
L/min	liters per minute
mg/m ³	milligrams per cubic meter
Navy	U.S. Department of the Navy
NIOSH	National Institute for Occupational Safety and Health
PEL	permissible exposure limit
PM10	particulate matter less than 10 microns in diameter
RAWP	Remedial Action Work Plan
TSP	total suspended particulates
TWA	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 June 1st, 2023 through June 30th, 2023 and compares the results with the established action levels presented in the DMCP (Appendix E of the RAWP [Gilbane, 2019a]).

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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

		4.0 Air Monitoring	Data Interpretation	n and Action Le
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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 June 1st, 2023, through June 30th, 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 June 1st, 2023, through June 30th, 2023, did not result in the exceedance of the established threshold criteria, as described in detail below.

Asbestos results from June 1st, 2023, through June 30th, 2023, did not exceed the threshold criteria presented in **Table 4-1**. The results are presented as **Attachment 2**.

PM10 results from June 1st, 2023, through June 30th, 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 June 1st, 2023, through June 30th, 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 June 1st, 2023, through June 30th, 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.

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5.0 Air Monitoring Results

6.0 References

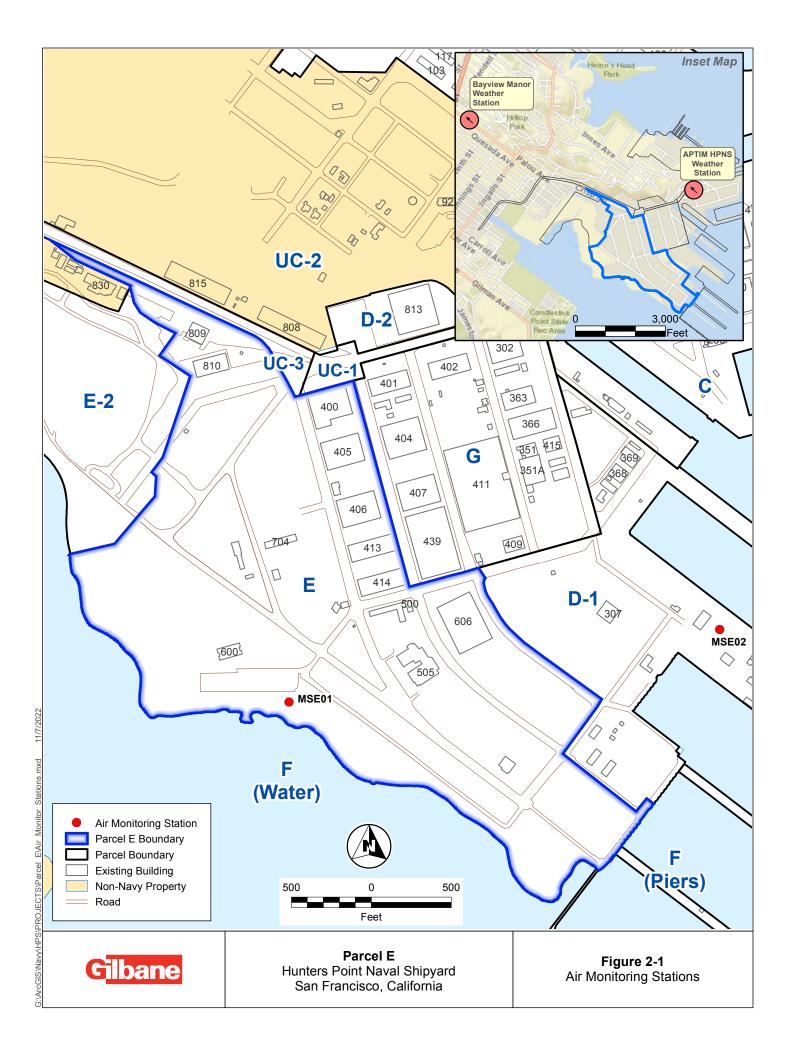
- Department of Toxic Substances Control (DTSC), 2017. Draft Technical Memorandum: Dust Action Levels for Parcel E, Hunters Point. May.
- National Institute for Occupational Safety and Health, (NIOSH), 1994. Manual of Analytical Methods.
- United States Environmental Protection Agency (EPA), 1999a. Quality 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



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)	Prevalent Wind Direction		
5/31/2023 ¹	29.91	53.26	WSW	
6/01/2023 ¹	29.99	58.66	WSW	
6/05/2023 ¹	29.89	59.98	WSW	
6/06/2023 ¹	29.95	60.42	SSW	
6/07/2023 ¹	30.07	60.31	WSW	
6/08/2023 ¹	30.11	62.03	W	
6/12/2023 ¹	30.09	59.75	SW	
6/13/2023 ¹	30.08	57.90	WSW	
6/14/2023 ¹	29.97	58.06	WSW	
6/15/2023 ¹	29.99	61.00	NNE	
6/19/2023 ¹	30.13	58.02	W	
6/20/2023 ¹	30.18	58.46	WSW	
6/21/2023 ¹	30.08	56.42	WSW	
6/22/2023 ¹	30.03	59.92	SSW	
6/26/2023 ¹	30.06	55.39	SW	
6/27/2023 ¹	30.00	54.39	SW	
6/28/2023 ¹	30.02	54.51	SW	
6/29/2023 ¹	30.04	57.37	NE	

Notes:

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

²Data 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)	
MSE01-060123	06/01/23	1	548	1096	25.0	0.011	No	
MSE02-060123	06/01/23	2	545	1090	24.5	0.011	No	
MSE01-060523	06/05/23	1	566	1132	8.0	0.003	No	
MSE02-060523	06/05/23	2	568	1136	21.0	0.009	No	
MSE01-060623	06/06/23	1	564	1128	21.5	0.009	No	
MSE02-060623	06/06/23	2	568	1136	16.0	0.007	No	
MSE01-060723	06/07/23	1	567	1134	23.5	0.010	No	
MSE02-060723	06/07/23	2	571	1142	24.0	0.010	No	
MSE01-060823	06/08/23	1	478	956	21.5	0.011	No	
MSE02-060823	06/08/23	2	502	1004	19.5	0.010	No	
MSE01-061223	06/12/23	1	552	1104	20.5	0.009	No	
MSE02-061223	06/12/23	2	555	1110	16.0	0.007	No	
MSE01-061323	06/13/23	1	533	1066	20.0	0.009	No	
MSE02-061323	06/13/23	2	535	1070	17.0	0.008	No	
MSE01-061423	06/14/23	1	539	1078	17.5	0.008	No	
MSE02-061423	06/14/23	2	543	1086	24.5	0.011	No	
MSE01-061523	06/15/23	1	466	932	15.5	0.008	No	
MSE02-061523	06/15/23	2	465	930	13.5	0.007	No	
MSE01-061923	06/19/23	1	534	1068	18.5	0.008	No	
MSE02-061923	06/19/23	2	534	1068	22.5	0.010	No	
MSE01-062023	06/20/23	1	551	1102	29.0	0.013	No	
MSE02-062023	06/20/23	2	565	1130	20.5	0.009	No	
MSE01-062123	06/21/23	1	559	1118	18.5	0.008	No	
MSE02-062123	06/21/23	2	562	1124	20.0	0.009	No	
MSE01-062223	06/22/23	1	490	980	18.5	0.009	No	
MSE02-062223	06/22/23	2	500	1000	18.0	0.009	No	
MSE01-062623	06/26/23	1	548	1096	34.0	0.015	No	
MSE02-062623	06/26/23	2	547	1094	35.0	0.016	No	
MSE01-062723	06/27/23	1	556	1112	29.0	0.013	No	
MSE02-062723	06/27/23	2	565	1130	21.0	0.009	No	
MSE01-062823	06/28/23	1	565	1130	16.5	0.007	No	
MSE02-062823	06/28/23	2	563	1126	21.5	0.009	No	
MSE01-062923	06/29/23	1	375	750	15.5	0.010	No	
MSE02-062923	06/29/23	2	377	754	20.5	0.013	No	
		_	- ' -	· · · · · · · · · · · · · · · · · · ·				

Notes:

Samples analyzed by A&B Labs

Sample locations are shown on Figure 2-1
l/min = liters per minute

L = liter

min = minutes fibers/cm³ = fibers per cubic centimeter

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

 $^{^3\}mbox{Samples}$ for informational purposes only, please see laboratory report for details.

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							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/m ³)	Delta between Downwind and Upwind (ug/m³)	Cal/OSHA PEL (ug/m³)	Exceedance (Yes/No)	HERO Action Level ³ (ug/m ³)	Exceedance (Yes/No)
PM031223-24	1	06/01/23	1750.01	0.0370855						
PM031223-26	2	06/01/23	1770.38	0.02231159	-0.0148	-14.8	5,000	No	50	No
PM031223-28	1	06/01/23 ¹	654.05	0.04816146			,			
PM031223-30	2	06/01/23 ¹	658.14	0.02218373	-0.0260	-52.0	5,000	No	50	No
PM031223-44	1	06/06/23	1759.51	0.01545885			,			
PM031223-46	2	06/06/23	1779.03	0.01006166	-0.0054	-5.4	5,000	No	50	No
PM031223-48	1	06/07/23	1761.79	0.00664097						
PM032123-02	2	06/07/23	1785.14	0.0056018	-0.0010	-1.0	5,000	No	50	No
PM032123-04	1	06/08/23	1764.13	0.01428466						
PM032123-06	2	06/08/23	1795.71	0.00601433	-0.0083	-8.3	5,000	No	50	No
PM032123-08	1	06/08/23 ¹	580.86	0.02771752						
PM032123-10	2	06/08/23 ¹	614.05	0.01025975	-0.0175	-17.5	5,000	No	50	No
PM032123-30	1	06/13/23	1755.48	0.00996878			,			
PM032123-32	2	06/13/23	1787.09	0.00503612	-0.0049	-4.9	5,000	No	50	No
PM032123-34	1	06/14/23	1749.47	0.0219495						
PM032123-36	2	06/14/23	1770.87	0.00338817	-0.0186	-18.6	5,000	No	50	No
PM032123-38	1	06/15/23	989.29 ²	0.02375441						
PM032123-40	2	06/15/23	1767.33	0.0093927	-0.0144	-14.4	5,000	No	50	No
PM032223-02 ⁴	1	06/15/23 ¹	560.88	0.0203252			,			
PM032223-04 ⁴	2	06/15/23 ¹	571.13	0.0124315	0.0079	7.9	5,000	No	50	No
PM032423-20	1	06/20/23	1704.11	0.04201607			,			
PM032423-22	2	06/20/23	1719.18	0.0325155	-0.0095	-9.5	5,000	No	50	No
PM032223-24	1	06/21/23	1766.38	0.02745729			,			
PM032223-26	2	06/21/23	1734.33	0.01758604	-0.0099	-9.9	5,000	No	50	No
PM032223-28	1	06/22/23	1766.81	0.01833813						
PM032223-30	2	06/22/23	1771.06	0.0130995	-0.0052	-5.2	5,000	No	50	No
PM032423-02	1	06/22/23 ¹	592.89	0.02023984			,			
PM032423-04	2	06/22/23 ¹	580.62	0.01808412	-0.0022	-2.2	5,000	No	50	No
PM031623-02	1	06/27/23	1780.58	0.01010907						
PM031623-04	2	06/27/23	1739.62	0.00718548	-0.0029	-2.9	5,000	No	50	No
PM031623-06	1	06/28/23	1763.36	0.01219263						
PM031623-08	2	06/28/23	1728.97	0.0050319	-0.0072	-7.2	5,000	No	50	No
PM031623-10	1	06/29/23	1787.95	0.01107414						
PM031623-12	2	06/29/23	1752.54	0.00382302	-0.0073	-7.3	5,000	No	50	No
PM031623-14 ⁴	1	06/29/23 ¹	417.08	0.0196605						
PM031623-16 ⁴	2	06/29/23 ¹	406.48	0.01131667	0.0083	8.3	5,000	No	50	No

Notes:

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

² Generator malfunction

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

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)
TSP031223-25	1	06/01/23	1655.31	0.0852			
TSP031223-27	2	06/01/23	1777.11	0.0353	-0.0499	0.5	No
TSP031223-29	1	06/01/23 ¹	620.28	0.103			
TSP031223-31	2	06/01/23 ¹	658.79	0.034	-0.069	0.5	No
TSP031223-45	1	06/06/23	1661.73	0.0358			
TSP031223-47	2	06/06/23	1748.71	0.0221	-0.014	0.5	No
TSP031223-49	1	06/07/23	1666.36	0.0139			
TSP032123-03	2	06/07/23	1779.41	0.0111	-0.0028	0.5	No
TSP032123-05	1	06/08/23	1669.47	0.0312			
TSP032123-07	2	06/08/23	1789.66	0.009	-0.022	0.5	No
TSP032123-09	1	06/08/23 ¹	549.36	0.0812			
TSP032123-11	2	06/08/23 ¹	578.65	0.0202	-0.061	0.5	No
TSP032123-31	1	06/13/23	1657.01	0.0278			
TSP032123-33	2	06/13/23	1777.00	0.0123	-0.016	0.5	No
TSP032123-35	1	06/14/23	1653.17	0.0596			
TSP032123-37	2	06/14/23	1765.83	0.0101	-0.0495	0.5	No
TSP032123-39	1	06/15/23	936.88 ²	0.0598			
TSP032223-01	2	06/15/23	1766.38	0.0201	-0.0397	0.5	No
TSP032223-03 ³	1	06/15/23 ¹	532.38	0.0456			
TSP032223-05 ³	2	06/15/23 ¹	567.98	0.0245	0.0211	0.5	No
TSP032423-21	1	06/20/23	1609.81	0.0795			
TSP032423-23	2	06/20/23	1717.07	0.0497	-0.0298	0.5	No
TSP032223-25	1	06/21/23	1670.95	0.0564			
TSP032223-27	2	06/21/23	1733.56	0.0352	-0.0212	0.5	No
TSP032223-29	1	06/22/23	1671.59	0.0421			
TSP032423-01	2	06/22/23	1754.75	0.0264	-0.016	0.5	No
TSP032423-03	1	06/22/23 ¹	592.96	0.0423			
TSP032423-05	2	06/22/23 ¹	578.56	0.0289	-0.0134	0.5	No
TSP031623-03	1	06/27/23	1683.71	0.0224			
TSP031623-05	2	06/27/23	1738.19	0.0155	-0.007	0.5	No
TSP031623-07	1	06/28/23	1667.68	0.0303			
TSP031623-09	2	06/28/23	1742.26	0.00981	-0.0205	0.5	No
TSP031623-11	1	06/29/23	1691.13	0.0303			
TSP031623-13	2	06/29/23	1754.19	0.00975	-0.021	0.5	No
TSP031623-15 ³	1	06/29/23 ¹	397.94	0.051			
TSP031623-17 ³	2	06/29/23 ¹	404.00	0.0215	0.0295	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)
TSP031223-25	1	06/01/23	1655.31	0.00043376	No	0.00003123	No	< 0.0000592	No
TSP031223-27	2	06/01/23	1777.11	< 0.00005515	No	< 0.00000788	No	< 0.00005515	No
TSP031223-29	1	06/01/23 ¹	620.28	0.00053202	No	0.00002579	No	< 0.00015799	No
TSP031223-31	2	06/01/23 ¹	658.79	< 0.00014876	No	< 0.00002125	No	< 0.00014876	No
TSP031223-45	1	06/06/23	1661.73	0.00049828	No	< 0.00000842	No	< 0.00005897	No
TSP031223-47	2	06/06/23	1748.71	0.00016298	No	< 0.00000801	No	< 0.00005604	No
TSP031223-49	1	06/07/23	1666.36	0.00040928	No	< 0.0000084	No	< 0.00005881	No
TSP032123-03	2	06/07/23	1779.41	0.00017534	No	0.00001068	No	< 0.00005507	No
TSP032123-05	1	06/08/23	1669.47	0.00039833	No	< 0.00000839	No	< 0.0000587	No
TSP032123-07	2	06/08/23	1789.66	0.00011678	No	< 0.00000782	No	< 0.00005476	No
TSP032123-09	1	06/08/23 ¹	549.36	0.0004933	No	0.00002785	No	< 0.00017839	No
TSP032123-11	2	06/08/23 ¹	578.65	< 0.00016936	No	< 0.00002419	No	< 0.00016936	No
TSP032123-31	1	06/13/23	1657.01	0.00098732	No	0.00001094	No	< 0.00005914	No
TSP032123-33	2	06/13/23	1777.00	0.00008925	No	< 0.00000788	No	< 0.00005515	No
TSP032123-35	1	06/14/23	1653.17	0.00058905	No	0.00002001	No	0.00006382	No
TSP032123-37	2	06/14/23	1765.83	< 0.0000555	No	< 0.00000793	No	< 0.0000555	No
TSP032123-39	1	06/15/23	936.88 ²	0.00045652	No	0.00001737	No	< 0.0001046	No
TSP032223-01	2	06/15/23	1766.38	0.00006465	No	< 0.00000793	No	< 0.00005548	No
TSP032223-03	1	06/15/23 ¹	532.38	0.00107386	No	< 0.0000263	No	< 0.00018408	No
TSP032223-05	2	06/15/23 ¹	567.98	0.00020247	No	< 0.00002465	No	< 0.00017254	No
TSP032423-21	1	06/20/23	1609.81	0.00049323	No	0.00001746	No	< 0.00006088	No
TSP032423-23	2	06/20/23	1717.07	0.00043323	No	0.00001740	No	< 0.00005707	No
TSP032223-25	1	06/21/23	1670.95	0.00066429	No	0.00001063	No	< 0.00005767	No
TSP032223-27	2	06/21/23	1733.56	0.00005429	No	< 0.00001203	No	< 0.00005653	No
TSP032223-29	1	06/22/23	1671.59	0.00013402	No	0.00000000	No	< 0.00005863	No
TSP032423-01	2	06/22/23	1754.75	0.00007101	No	< 0.00000303	No	< 0.00005585	No
TSP032423-03	1	06/22/23 ¹	592.96	0.00087696	No	< 0.00002361	No	< 0.00016527	No
TSP032423-05	2	06/22/23 ¹	578.56	< 0.00016939	No	< 0.0000242	No	< 0.00016939	No
TSP031623-03	1	06/27/23	1683.71	0.00076023	No	0.000012	No	< 0.00010303	No
TSP031623-05	2	06/27/23	1738.19	0.00076525	No	< 0.0000012	No	< 0.00005638	No
TSP031623-07	1	06/28/23	1667.68	0.00045512	No	0.00001175	No	< 0.00005876	No
TSP031623-07	2	06/28/23	1742.26	0.00043312	No	< 0.00001173	No	< 0.00005625	No No
TSP031623-09	1	06/29/23	1691.13	0.00059723	No	0.00001472	No	< 0.00005795	No
TSP031623-11	2	06/29/23	1754.19	0.00039723	No	< 0.00001472	No	< 0.00005795	No
TSP031623-15	1	06/29/23 ¹	397.94	0.00010003	No	< 0.00003518	No	< 0.00024627	No No
TSP031623-17	2	06/29/23 ¹	404.00	0.000130073	No	< 0.00003316	No	< 0.00024027	No

ATTACHMENT 6 AIR SAMPLING RESULTS – PUBLIC EXPOSURE MONITORING

Attachment 6



AIR SAMPLE RESULTS - PUBLIC EXPOSURE MONITORING

	<u> </u>																-10-1	UBLIC				OKING
		,		roject Inform	nation					Effluent	Air Con	centration			mpling Per					Codes		
	Task Order Nu					GES Project Nur						Alpha	Beta	Airs	amples colle	ected				ent Conc (i.		
N62473	3-17-D-0005 /	F4332 HPNS Pa	rcel E Ph	ase 2 RA / Sa	an Francisco, CA	J3	10000400			Rad	ionuclide	Ra-226	Sr-90	between	01 Jun 202	23		Value > ().1 x Efflue	ent Conc (i.	e., > 10%)	
		Infor	rmation e	ffective as of:	05 Jul 2023				Ef	fluent Conc	(μCi/ml)	9.E-13	6.E-12	and	29 Jun 202	23		Value:	> Effluent	Conc (i.e.,	> 100%)	
1				Sample Colle	ection							Count I	nformatio	n				Sample	Results		Init	tials
Sample	Sample	Sample	Equip	Ave Flow	Start	End	Elapsed	Volume	Inst	Count	Time	Counting	Gross	Activity	Net	dpm	Activity	(µCi/ml)	Effluent	Conc (%)	Count	Data
Number	Type	Location	No	Rate (lpm)	Day Time	Date Time	Time (min)	(ml)	No	Date	(min)	Units	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Tech	Reviewer
AS-0875	Perimeter	MSE-01	PE15	50	6/1/23 6:37	6/1/2315:18	521	2.6E+07	В	06/05/23	, 1	cpm	0.10	3.80	0.0	4.6	0.0E+00	8.0E-14	0.0%	1.3%	DFB	BCS
AS-0876	Perimeter	MSE-02	PE16	50	6/1/23 6:45	6/1/23 15:15	510	2.5E+07	В	06/05/23	1	cpm	0.20	3.65	0.3	4.2	5.9E-15	7.4E-14	0.7%	1.2%	DFB	BCS
AS-0877	Perimeter	MSE-01	PE18	50	6/5/23 6:44	6/5/2315:52	548	2.7E+07	В	06/12/23	1	cpm	0.10	3.40	0.0	3.5	0.0E+00	5.7E-14	0.0%	1.0%	DFB	BCS
AS-0878	Perimeter	MSE-02	PE17	50	6/5/23 6:42	6/5/2315:57	555	2.8E+07	В	06/12/23	1	cpm	0.20	3.30	0.3	3.2	5.5E-15	5.2E-14	0.6%	0.9%	DFB	BCS
AS-0879	Perimeter	MSE-01	PE18	50	6/6/23 6:50	6/6/23 16:01	551	2.8E+07	В	06/12/23	1	cpm	0.35	3.25	0.8	3.0	1.4E-14	5.0E-14	1.5%	0.8%	DFB	BCS
AS-0880	Perimeter	MSE-02	PE17	50	6/6/23 6:52	6/6/23 15:52	540	2.7E+07	В	06/12/23	1	cpm	0.50	3.00	1.3	2.3	2.2E-14	3.9E-14	2.5%	0.6%	DFB	BCS
AS-0881	Perimeter	MSE-01	PE18	50	6/7/23 6:38	6/7/2316:02	564	2.8E+07	В	06/12/23	1	cpm	0.20	3.95	0.3	5.1	5.4E-15	8.1E-14	0.6%	1.4%	DFB	BCS
AS-0882	Perimeter	MSE-02	PE17	50	6/7/23 6:42	6/7/23 16:00	558	2.8E+07	В	06/12/23	1	cpm	0.15	3.35	0.2	3.3	2.7E-15	5.4E-14	0.3%	0.9%	DFB	BCS
AS-0883	Perimeter	MSE-01	PE18	50	6/8/23 6:50	6/8/23 14:57	487	2.4E+07	В	06/12/23	1	cpm	0.05	3.75	-0.2	4.5	N/A	8.3E-14	N/A	1.4%	DFB	BCS
AS-0884	Perimeter	MSE-02	PE17	50	6/8/236:58	6/8/23 14:48	470	2.4E+07	В	06/12/23	1	cpm	0.10	4.35	0.0	6.2	0.0E+00	1.2E-13	0.0%	2.0%	DFB	BCS
AS-0885	Perimeter	MSE-01	PE18	50	6/12/23 6:32	6/12/23 15:38	546	2.7E+07	В	06/19/23	1	cpm	0.10	4.15	0.0	5.7	0.0E+00	9.3E-14	0.0%	1.6%	DFB	BCS
AS-0886	Perimeter	MSE-02	PE17	50	6/12/23 6:32	6/12/23 15:38	546	2.7E+07	В	06/19/23	1	cpm	0.15	3.95	0.2	5.1	2.8E-15	8.4E-14	0.3%	1.4%	DFB	BCS
AS-0887	Perimeter	MSE-01	PE18	50	6/13/23 6:51	6/13/23 15:12	501	2.5E+07	В	06/19/23	1	cpm	0.10	3.90	0.0	4.9	0.0E+00	8.9E-14	0.0%	1.5%	DFB	BCS
AS-0888	Perimeter	MSE-02	PE17	50	6/13/237:00	6/13/23 15:19	499	2.5E+07	В	06/19/23	1	cpm	0.20	3.80	0.3	4.6	6.1E-15	8.4E-14	0.7%	1.4%	DFB	BCS
AS-0889	Perimeter	MSE-01	PE18	50	6/14/236:44	6/14/23 15:19	515	2.6E+07	В	06/19/23	1	cpm	0.20	4.40	0.3	6.4	5.9E-15	1.1E-13	0.7%	1.9%	DFB	BCS
AS-0890	Perimeter	MSE-02	PE17	50	6/14/23 6:50	6/14/23 15:14	504	2.5E+07	В	06/19/23	1	cpm	0.10	2.70	0.0	1.4	0.0E+00	2.6E-14	0.0%	0.4%	DFB	BCS
AS-0891	Perimeter	MSE-01	PE18	50	6/15/236:37	6/15/23 14:08	451	2.3E+07	В	06/19/23	1	cpm	0.20	3.60	0.3	4.1	6.7E-15	8.1E-14	0.7%	1.4%	DFB	BCS
AS-0892	Perimeter	MSE-02	PE17	50	6/15/236:42	6/15/23 14:15	453	2.3E+07	В	06/19/23	1	cpm	0.20	3.15	0.3	2.8	6.7E-15	5.5E-14	0.7%	0.9%	DFB	BCS
AS-0893	Perimeter	MSE-01	PE18	50	6/19/238:00	6/19/23 15:13	433	2.2E+07	В	06/26/23	1	cpm	0.05	3.50	-0.2	3.8	N/A	7.8E-14	N/A	1.3%	JSV	BCS
AS-0894	Perimeter	MSE-02	PE17	50	6/19/23 7:54	6/19/23 15:10	436	2.2E+07	В	06/26/23	1	cpm	0.15	4.55	0.2	6.8	3.5E-15	1.4E-13	0.4%	2.3%	JSV	BCS
AS-0895	Perimeter	MSE-01	PE18	50	6/20/236:40	6/20/2315:50	550	2.7E+07	В	06/26/23	1	cpm	0.05	3.95	-0.2	5.1	N/A	8.3E-14	N/A	1.4%	JSV	BCS
AS-0896	Perimeter	MSE-02	PE17	50	6/20/236:48	6/20/23 16:01	553	2.8E+07	В	06/26/23	1	cpm	0.15	3.60	0.2	4.1	2.7E-15	6.6E-14	0.3%	1.1%	JSV	BCS
AS-0897	Perimeter	MSE-01	PE18	50	6/21/236:34	6/21/23 15:48	554	2.8E+07	В	06/26/23	1	cpm	0.15	3.65	0.2	4.2	2.7E-15	6.8E-14	0.3%	1.1%	JSV	BCS
AS-0898	Perimeter	MSE-02	PE17	50	6/21/236:41	6/21/2315:51	550	2.8E+07	В	06/26/23	1	cpm	0.20	4.45	0.3	6.5	5.5E-15	1.1E-13	0.6%	1.8%	JSV	BCS
AS-0899	Perimeter	MSE-01	PE18	50	6/22/23 6:35	6/22/23 16:26	591	3.0E+07	В	06/26/23	1	cpm	0.10	3.75	0.0	4.5	0.0E+00	6.8E-14	0.0%	1.1%	JSV	BCS
AS-0900	Perimeter	MSE-02	PE17	50	6/22/23 6:40	6/22/23 16:37	597	3.0E+07	В	06/26/23	1	cpm	0.10	4.20	0.0	5.8	0.0E+00	8.7E-14	0.0%	1.5%	JSV	BCS
AS-0901	Perimeter	MSE-01	PE18	50	6/26/23 6:37	6/26/23 15:29	532	2.7E+07	В	07/05/23	1	cpm	0.10	4.25	0.0	5.9	0.0E+00	1.0E-13	0.0%	1.7%	DFB	BCS
AS-0902	Perimeter	MSE-02	PE17	50	6/26/236:43	6/26/2315:23	520	2.6E+07	В	07/05/23	1	cpm	0.05	3.20	-0.2	2.9	N/A	5.0E-14	N/A	0.8%	DFB	BCS
AS-0903	Perimeter	MSE-01	PE18	50	6/27/236:55	6/27/23 15:54	539	2.7E+07	В	07/05/23	1	cpm	0.15	2.55	0.2	1.0	2.8E-15	1.7E-14	0.3%	0.3%	DFB	BCS
AS-0904	Perimeter	MSE-02	PE17	50	6/27/237:00	6/27/23 15:53	533	2.7E+07	В	07/05/23	1	cpm	0.65	2.30	1.9	0.3	3.1E-14	4.9E-15	3.5%	0.1%	DFB	BCS
AS-0905	Perimeter	MSE-01	PE18	50	6/28/23 6:36	6/28/23 15:47	551	2.8E+07	В	07/05/23	- 1	cpm	0.05	4.00	-0.2	5.2	N/A	8.5E-14	N/A	1.4%	DFB	BCS
AS-0906	Perimeter	MSE-02	PE17	50	6/28/23 6:41	6/28/23 15:50	549	2.7E+07	В	07/05/23	1	cpm	0.50	2.90	1.3	2.0	2.2E-14	3.3E-14	2.5%	0.6%	DFB	BCS
AS-0907	Perimeter	MSE-01	PE18	50	6/29/23 6:40	6/29/23 12:27	347	1.7E+07	В	07/05/23	1	cpm	0.25	3.45	0.5	3.6	1.3E-14	9.4E-14	1.5%	1.6%	DFB	BCS
AS-0908	Perimeter	MSE-02	PE17	50	6/29/23 6:47	6/29/23 12:27	340	1.7E+07	В	07/05/23	1	cpm	0.15	3.75	0.2	4.5	4.5E-15	1.2E-13	0.5%	2.0%	DFB	BCS

RP 05-2 (Mal 2022) Page 1 of 1

ATTACHMENT 7 LABORATORY REPORTS

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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		·	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:

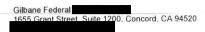
Sample Condition Checklist

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 0	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	А	05/30/2023	1534		×		V						/	MSE	02	N1	0.00	0.00	1		
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	Re	elinquished by: (Signature)		Date	Time	Received	by: (S	Signa	ture)						Date					er / Airbill Numl			
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		1																	20.3	CLR	15		

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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					POO															
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	

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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
L	1 MSE01-060123	A	06/01/2023	1541	HHC.	x		+						MS	E01	N1	0.00	0.00	1	
\ \ -	2 MSE02-060123	A	06/01/2023	1532	_	×			+	+	+	Ħ	\top	MS	E02	N1	0.00	0.00	1	
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	5										1	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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	for Ex	C	e/7/23																	& condition (0'.('
																100	201	125		

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



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

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

Laboratory Analysis Report

Job ID: 23061338



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: 06/14/2023 08:54

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

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

Client Sample ID MSE01-060523	Sample Collection Date & Time 6/5/2023 15:58	Matrix Cassette	A&B Job Sample I 23061338.01
MSE02-060523	6/5/2023 15:53	Cassette	23061338.02
MSE01-060623	6/6/2023 15:58	Cassette	23061338.03
MSE02-060623	6/6/2023 15:53	Cassette	23061338.04
MSE01-060723	6/7/2023 16:01	Cassette	23061338.05
MSE02-060723	6/7/2023 15:57	Cassette	23061338.06
MSE01-060823	6/8/2023 14:46	Cassette	23061338.07
MSE02-060823	6/8/2023 15:00	Cassette	23061338.08



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

6/20/2023

ID

Page 1 of 9 Report Number: RPT230620014

Analyst:



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

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

Date 6/20/2023

Job ID: 23061338

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
23061338.01	MSE01-060523	06/05/2023	Area	2			566	1132	100	8.0	10.191	0.003		06/19/23	-
23061338.02	MSE02-060523	06/05/2023	Area	2			568	1136	100	21.0	26.752	0.009		06/19/23	
23061338.03	MSE01-060623	06/06/2023	Area	2			564	1128	100	21.5	27.389	0.009		06/19/23	
23061338.04	MSE02-060623	06/06/2023	Area	2			568	1136	100	16.0	20.382	0.007		06/19/23	
23061338.05	MSE01-060723	06/07/2023	Area	2			567	1134	100	23.5	29.936	0.010		06/19/23	
23061338.06	MSE02-060723	06/07/2023	Area	2			571	1142	100	24.0	30.573	0.010		06/19/23	
23061338.07	MSE01-060823	06/08/2023	Area	2			478	956	100	21.5	27.389	0.011		06/19/23	
23061338.08	MSE02-060823	06/08/2023	Area	2			502	1004	100	19.5	24.841	0.010		06/19/23	

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 : 23061338	Date Received : 06/14/2023 Time Received :	8:54AM		
Clie	ent Name : GES - ASRC Industrial				
Ter	nperature : 24.6°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-cust	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	udge Solid Cassette Tube Bulk Badge Food Oth	er		
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 hole	I 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. ~ 6/14/2023			
INO (notice was received, nowever samples are r	of 14/2023			

Received by: Check in by/date: // 06/14/2023

ab-s005-0321

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

Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520 COC ID # 061323ASBE



	Proj	ect Name: Hunters Point Shipyar	rd, Parcel	E RA Phase II			Lab	orato	ry: A8	B Lal	bs									Event: Pa	rcel E Asbestos
	Proj	ect Number: J310000400					PO	C:													
	WBS	S Code: J310000400					Shi	p to:	10100	East	Fwy S	te. 100	0 Hou	ston T	X 77029						
J(3/14/202	ob 3	D:2306133	8 			Analytical Test Method	Asbestos			8			3		A Air	atrix r r Quality Con ntainer/Preservat	strve				Page 1 o
		Event: Parcel E Asbestos					1	XX.												A SALE	
		Sample ID	Matrix	Date	Time	Samp Init.									Loc	cation ID	Sample Type		epth (ft bgs) op - Bottom	Cooler	Comments
OIA	1	MSE01-060523	Α	06/05/2023	1558		×								N	1SE01	N1	0.00	0.00	1	
024	2	MSE02-060523	Α	06/05/2023	1553		×								N	1SE02	N1	0.00	0.00	1	
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	11)						1	\perp			L		_	\					
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	ŕ																				
					1 1											1					

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





Project Name: Hunters Point Shipy	ard, Parcel	I E RA Phase II					ry: A&E	B Labs	ĺ								Event: P	Parcel E Asbestos
Project Number: J310000400					PO													
WBS Code: J310000400					Ship	p to: 1	0100 E	East F	wy Ste	100 H	Houston	TX 77029						
Comments:				Analytical Test Method	Asbestos				2/3	1	/	Code Cont	Quality Cont	ve				Page 2
Equipment:				Analy				Ш										
Event: Parcel E Asbestos					1	B				1								
Sample ID	Matrix	Date	Time	Samp Init.								Loca	ation ID	Sample Type	_	op - Bottom	Cooler	Comments
1 MSE01-060623	А	06/06/2023	1558	MC	x							M	SE01	N1	0.00	0.00	1	
2 MSE02-060623	А	06/06/2023	1553	MC	×							M	SE02	N1	0.00	0.00	1	
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Pr	oject Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Labo	orator	y: A&I	B Lat	os									Event: Pa	rcel E Asbestos
Pr	roject Number: J310000400					POC														
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					poq	stos			N 8	1/L		-		Code Con	tainer/Preservative				¬	
					Met	Asbestos			10	1//	3/				r/No Preservatives					
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-	Event: Parcel E Asbestos	100			14	1	100	11 12	125						V J W L					
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	Sample ID	Matrix	-6 7 23	Time	Init.									Loc	ation ID	Туре	Т	op - Bottom	Cooler	Comments
-	1 MSE01-060723	А	06/07/2023	1601	-	x								М	SE01	N1	0.00	0.00	1	
	2 MSE02-060723	А	06/072023	1557		×		V						М	SE02	N1	0.00	0.00	1	
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24.6°C



COC ID # 061323ASBE



Project Number: J31000 VBS Code: J310000400 Comments:						Ship		00 East	Fwy Ste.	100 Hou								
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Event: Parcel E Asi	bestos	T-W-			4	1	205	Z.		500	1	G Dan				a de avidado		
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Sample ID		Matrix	Date	Time	Init.							Loca	ation ID	Туре	То	p - Bottom	Cooler	Comments
1 MSE01-060823		A	06/08/2023	1446		×					11	MS	SE01	N1	0.00	0.00	1	
2 MSE02-060823		А	06/08/2023	1500		×	X				\top	MS	SE02 N	N1	0.00	0.00	1	
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COC ID # 061323ASBE

Project Name: Hunters Point Shipyard, Parcel E RA Phase II	Event: Parcel E Asbestos
Project Number: J310000400	
WBS Code: J3 0000400	

		1	
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)
MSE01-060523	3 5-Jun	15:58	2; 566
MSE02-060523	3 5-Jun	15:53	2; 568
MSE01-060623	3 6-Jun	15:58	2; 564
MSE02-060623	3 6-Jun	15:53	2; 568
MSE01-060723	3 7-Jun	16:01	2; 567
MSE02-060723	3 7-Jun	15:57	2; 571
MSE01-060823	3 8-Jun	14:46	2; 478
MSE02-060823	3 8-Jun	15:00	2; 502

ORIGIN ID: ICCA

SHIP DATE: 06JUN23 ACTWGT: 1.00 LB CAD: 254128867/INET4610

200 FISHER STREET

BILL SENDER

SAN FRANCISCO, CA 94124 UNITED STATES US

ТО

A & B LABS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029 (713) 453-6060

REF J31000 400 00 18 04



WED - 07 JUN 4:30P STANDARD OVERNIGHT

7723 0778 2710

77029 IAH



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

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Laboratory Analysis Report

Job ID: 23062071



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 : 06/21/2023 08:59

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

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

Client Sample ID MSE01-061223	Sample Collection Date & Time 6/12/2023 15:46	Matrix Cassette	A&B Job Sample I 23062071.01
MSE02-061223	6/12/2023 15:41	Cassette	23062071.02
MSE01-061323	6/13/2023 15:22	Cassette	23062071.03
MSE02-061323	6/13/2023 15:16	Cassette	23062071.04
MSE01-061423	6/14/2023 15:36	Cassette	23062071.05
MSE02-061423	6/14/2023 15:31	Cassette	23062071.06
MSE01-061523	6/15/2023 14:41	Cassette	23062071.07
MSE02-061523	6/15/2023 14:07	Cassette	23062071.08



Title: Vice President Operations



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ab-q210-0321

6/29/2023

ID

Page 1 of 9 Report Number: RPT230629174

Analyst:



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 6/29/2023

Job ID: 23062071

Analytical Method: NIOSH 7400-I3-June2019

Client: GES - /	ASRC Industrial		Project: J31	0000400 / H	lunters P	oint Shipy	ard, 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
23062071.01	MSE01-061223	06/12/2023	Area	2			552	1104	100	20.5	26.115	0.009		06/28/23	
23062071.02	MSE02-061223	06/12/2023	Area	2			555	1110	100	16	20.382	0.007		06/28/23	
23062071.03	MSE01-061323	06/13/2023	Area	2			533	1066	100	20	25.478	0.009		06/28/23	
23062071.04	MSE02-061323	06/13/2023	Area	2			535	1070	100	17.0	21.656	0.008		06/28/23	
23062071.05	MSE01-061423	06/14/2023	Area	2			539	1078	100	17.5	22.293	0.008		06/28/23	
23062071.06	MSE02-061423	06/14/2023	Area	2			543	1086	100	24.5	31.210	0.011		06/28/23	
23062071.07	MSE01-061523	06/15/2023	Area	2			466	932	100	15.5	19.745	0.008		06/28/23	
23062071.08	MSE02-061523	06/15/2023	Area	2			465	930	100	13.5	17.197	0.007		06/28/23	

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 : 23062071	Date Received : 06/21/2023 Time Received	: 8:59AM		
Clie	ent Name : GES - ASRC Industrial				
Ter	nperature : 24.3°C	Sample pH: NA			
The	rmometer ID : IR5	pH Paper ID: NA			
Pe	rservative :		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	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 Slu	udge Solid Cassette Tube Bulk Badge Food C	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
	nments: Include actions taken to resolutional resolution are received. however samples are re	ve discrepancies/problem: eceived in a box with a custody seal. Black Cassettes. ~ 6/21/2023			
140 (ooici was received, nowever samples are i	0/21/2023			

Received by: Check in by/date: / 06/21/2023

ab-s005-0321

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

Gilbane Federal 1501 W Fountainhead Parkway, Tempe AZ 85282



	roject Name: Hunters Point Shipya	rd, Parce	I E RA Phase II				atory: A	&B Labs									Event: P	arcel E Asbestos
P	roject Number: J310000400					POC:												
V	/BS Code: J310000400					Ship to	o: 10100	East F	wy Ste.	100 Hous	ion TX	77029						
J(1		Analytical Test Method	Asbestos						A Ail AQ Ail Code Co		31/002				Page 1 of
	Event: Parcel E Asbestos	4			4	1			4									4 - 10 - 3 - 7 - 1
	Sample ID	Matrix	Date	Time	Samp Init.							Loc	ation ID	Sample Type	_	op - Bottom	Cooler	Comments
	1 MSE01-061223	А	06/12/2023	1546		×						- 1	ISE01	N1	0.00	0.00	1	
	2 MSE02-061223	А	06/12/2023	1541		x						N	ISE02	N1	0.00	0.00	1	
	3																	
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-	8					\vdash	+	+		_	+							
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Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520



Pre	oject N <mark>ame: Hunters Point Shi</mark> pya	ard, Parcel	I E RA Phase II			Labo	ratory: A	A&B Lab	os								Event: P	Parcel E Asbestos
Pr	oject Number: J310000400					POC												
WI	BS Code: J310000400	T.				Ship	to: 1010	0 East	Fwy Ste.	100 Ho	uston T	X 77029						
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						Н						AQ	Air Quality C	Control Matrix			71	
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					letho	Asbestos						Code	Container/Prese	rvative				
					st N	Asl						1	Filter/No Preser	vatives				
					Analytical Test Method												-	
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	Event: Parcel E Asbestos					1												
	0 1 10	Matrix	Data	Time	Samp								Location ID	Samp	e D	epth (ft bgs)	Cooler	Comments
	Sample ID	Matrix	Date	Time	Init.								Location ID	Туре	Т	op - Bottom	Coolei	Comments
	1 MSE01-061323	А	06/13/2023	1522		×							MSE01	N1	0.00	0.00	1	
	2 MSE02-061323	А	06/13/2023	1516		×							MSE02	N1	0.00	0.00	1	
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Pre	oject Name: Hunters Point Shipya	rd, Parce	I E KA Phase II			Labo	diory.	A&B La	03								LVCIII.	Parcel E Asbestos
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	Event: Parcel E Asbestos			at the Artist	S Paring	1						807	海 经 拉 豐	1				
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Gilbane Federal
1655 Grant Street, Suite 1200, Concord, CA 94520



Pro	oject Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Labo	ratory: A	&B Labs								Event: P	Parcel E Asbestos
Pro	oject Number: J310000400					POC	ž:										
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	Event: Parcel E Asbestos					1											
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	Sample ID	Matrix	Date	Time	Init.						Lo	Cation 1D	Туре	То	p - Bottom	Coolei	Comments
	1 MSE01-061523	A	06/15/2023	1914		×					1	MSE01	N1	0.00	0.00	1	
1	MSE02-061523	А	06/15/2023	1407		×						MSE02	N1	0.00	0.00	1	
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Project Name: Hunters		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)	7
MSE01-061223	12-Jun	15:46	2; 552	-
MSE02-061223	12-Jun	15:41	2; 555	
MSE01-061323	13-Jun	15:22	2; 533	
MSE02-061323	13-Jun	15:16	2; 535	
MSE01-061423	14-Jun	15:36	2; 539	
MSE02-061423	14-Jun	15:31	2; 543	
MSE01-061523	15-Jun	14:14	2; 466	
MSE02-061523	15-Jun	14:07	2; 465	

SHIP DATE: 06JUN23 ACTWGT: 1.00 LB ORIGIN ID: JCCA CAD: 254128867/INET4610 200 FISHER STREET

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

TO

A & B LABS 10100 EAST FREEWAY, SUITE 100 583.1279ABIFE2D

HOUSTON TX 77029

(713) 453-6060

REF J31000 400 00 18 04



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not

Laboratory Analysis Report

Job ID: 23062767



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: 06/28/2023 09:43

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

City, State, Zip:

Client Sample ID MSE01-061923	Sample Collection Date & Time 6/19/2023 15:29	Matrix Cassette	A&B Job Sample ID 23062767.01
MSE02-061923	6/19/2023 15:21	Cassette	23062767.02
MSE01-062023	6/20/2023 15:49	Cassette	23062767.03
MSE02-062023	6/20/2023 15:53	Cassette	23062767.04
MSE01-062123	6/21/2023 15:51	Cassette	23062767.05
MSE02-062123	6/21/2023 15:47	Cassette	23062767.06
MSE01-062223	6/22/2023 14:45	Cassette	23062767.07
MSE02-062223	6/22/2023 14:40	Cassette	23062767.08



Title: Vice President Operations

Analyst:

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ab-q210-0321



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 7/10/2023

Job ID: 23062767

Analytical Method: NIOSH 7400-I3-June2019

Client: GES -	lient: 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
23062767.01	MSE01-061923	06/19/2023	Area	2			534	1068	100	18.5	23.567	0.008		07/10/23	
23062767.02	MSE02-061923	06/19/2023	Area	2			534	1068	100	22.5	28.662	0.010		07/10/23	
23062767.03	MSE01-062023	06/20/2023	Area	2			551	1102	100	29.0	36.943	0.013		07/10/23	
23062767.04	MSE02-062023	06/20/2023	Area	2			565	1130	100	20.5	26.115	0.009		07/10/23	
23062767.05	MSE01-062123	06/21/2023	Area	2			559	1118	100	18.5	23.567	0.008		07/10/23	
23062767.06	MSE02-062123	06/21/2023	Area	2			562	1124	100	20.0	25.478	0.009		07/10/23	
23062767.07	MSE01-062223	06/22/2023	Area	2			490	980	100	18.5	23.567	0.009		07/10/23	
23062767.08	MSE02-062223	06/22/2023	Area	2			500	1000	100	18.0	22.930	0.009		07/10/23	

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&I	3 JobID : 23062767	Date Received: 06/28/2023 Time Received: 9:4	ЗАМ								
Clie	ent Name : GES - ASRC Industrial										
Ter	nperature : 25.7°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.										
4.	Sample(s) received with chain-of-custody.										
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 Slu	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	I time.	Х								
16.	VOA vials completely filled.				Χ						
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. ~ 6/28/2023									
140	ooici was received, nowever samples are r	o/20/2023									

ab-s005-0321

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

Check in by/date : / 06/28/2023

COC ID # 062723ASBE



Gilbane Federal nhead Parkway, Tempe AZ 85282 Event: Parcel E Asbestos Project Name: Hunters Point Shipyard, Parcel E RA Phase II Laboratory: A&B Labs Project Number: J310000400 Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 WBS Code: J310000400 Page 1 of 4 Comments: Job ID:23062767 Air Quality Control Matrix Analytical Test Method itter/No Preservatives 06/28/2023 Equipment: Event: Parcel E Asbestos Depth (ft bgs) Sample Samp Location ID Cooler Comments Sample ID Matrix Date Time Type Top - Bottom 1529 MSE01-061923 MSE01 N1 0.00 0.00 1 06/19/2023 MSE02-061923 MSE02 N1 0.00 1 A 06/19/2023 10 Turnaround Time: 7 days Shipping Date / Carrier / Airbill Number Received by: (Signature) Date Relinquished by: (Signature) Shipping Date:06/27/23 / FEDEX 7723 0895 8350 1200 1200 25.7°C 1R5

Gilbane Federal





Г	Project Name: Hunters Point Shipy	Laboratory: A&B Labs													Event: Parcel E Asbestos						
	Project Number: J310000400					POC															
	WBS Code; J310000400					Ship	to: 10	0100 E	East F	wy Ste	e. 100) Hous	ton T	X 77029							
ſ	Comments:									Т	Т	Τ		Code	Matri	х					Page 2
									J		-				Air O	uality Contr	of Matrix				
					D.	LO LO				1	1			Au	All Q	dainy Corn	of mulity.				
1					Analytical Test Method	Asbestos			1	2/5	1	1		Code	Contain	ner/Preservativ					
1					lest M	As			١ĭ	¥	1/	4-		1	Filter/N	lo Preservative					
					tical 1				Н		Y	15									
1	Equipment:				Analy				П			X									
1	Event: Parcel E Asbestos		I Dell		Î	1									ići.		K, E	Sept.	100	PRI	
ĺ	Sample ID	Matrix	Date	Time	Samp Init.										Locati	ion ID	Sample Type		epth (ft bgs)	Cooler	Comments
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Gilbane Federal

COC ID # 062723ASBE



F	Project Name: Hunters Point Shipya	rd, Parcel	E RA Phase II			Lab	orato	ry. A&I	B Labs	s									Event: P	arcel E As	bestos
F	Project Number: J310000400					PO	C:														
٧	VBS Code: J310000400					Ship	to: 1	0100	East F	wy Ste.	100 Ho	uston T	X 77029								
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1	Equipment:				Analytical Test Method							\bigvee									
t	Event Parcel E Asbestos		3012	115.4	TAIL	1					100										
ľ		TAX TO UT			Samp				П				7	ocation ID	Т	Sample	De	epth (ft bgs)	Cooler		Comments
	Sample ID	Matrix	Date	Time	Init.								U	ocadon ID		Туре	T	op - Bottom	Coolei		Comments
İ	1 MSE01-062123	А	06/21/2023	1551		ж								MSE01		N1	0.00	0.00	1		
	2 MSE02-062123	Α	06/21/2023	1547		×								MSE02		N1	0.00	0.00	1		
	3																				
	4									1					_		_		-		
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+	11 Turnaround Time: 7 days	_			\perp	_	\perp				ш				_						
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CHAIN-OF-CUSTODY





Gilbane Federal RECORD 1501 W Fountainhead Parkway, Tempe AZ 85282 Event: Parcel E Asbestos Project Name: Hunters Point Shipyard, Parcel E RA Phase II Laboratory: A&B Labs Project Number: J310000400 Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 WBS Code: J310000400 Page 4 of 4 Matrix Comments: Air Quality Control Matrix Analytical Test Method illar/No Preservatives Equipment: Event: Parcel E Asbestos Depth (ft bgs) Sample Samp Cooler Comments Location ID Matrix Date Time Sample ID Type Top - Bottom 0.00 1 MSE01 N1 1 MSE01-062223 Α 06/22/2023 1445 0.00 0.00 1 N1 2 MSE02-062223 1440 Α 06/22/2023 10 11 Turnaround Time: 7 days Shipping Date / Carrier / Airbill Number Received by: (Signature) Relinquished by: (Signature) Shipping Date:06/27/23 / FEDEX 7723 0895 8350 6/27/23 25.7°C 1RS

COC ID # 062723ASBE

Project Name: Hunte	rs Point Shipyar	d, Parcel E RA	Phase II	E	vent: Parcel E Asbestos
Project Number: J310	0000400			1	
WBS Code: J3100004	400				
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)		

Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)
MSE01-061923	19-Jun	15:29	2; 534
MSE02-061923	19-Jun	15:21	2; 534
MSE01-062023	20-Jun	15:49	2; 551
MSE02-062023	20-Jun	15:53	2; 565
MSE01-062123	21-Jun	15:51	2; 559
MSE02-062123	21-Jun	15:47	2; 562
MSE01-062223	22-Jun	14:45	2; 490
MSE02-062223	22-Jun	14:40	2; 500

200 FISHER STREET

SAN FRANCISCO, CA 94124 UNITED STATES US

SHIP DATE: 06JUN23 ACTWGT: 1.00 LB CAD: 254128867/INET4610

BILL SENDER

A & B LABS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060





WED - 07 JUN 4:30P STANDARD OVERNIGHT

7723 0895 8350

77029 IAH



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Laboratory Analysis Report

Job ID: 23070286



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: 07/06/2023 09:07

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

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

Client Sample ID MSE01-062623	Sample Collection Date & Time 6/26/2023 15:39	Matrix Cassette	A&B Job Sample I 23070286.01
MSE02-062623	6/26/2023 15:31	Cassette	23070286.02
MSE01-062723	6/27/2023 15:52	Cassette	23070286.03
MSE02-062723	6/27/2023 15:47	Cassette	23070286.04
MSE01-062823	6/28/2023 15:49	Cassette	23070286.05
MSE02-062823	6/28/2023 15:42	Cassette	23070286.06
MSE01-062923	6/29/2023 12:55	Cassette	23070286.07
MSE02-062923	6/29/2023 12:50	Cassette	23070286.08



Analyst:



Title: Vice President Operations

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ab-q210-0321

7/17/2023

ID

Page 1 of 9 Report Number: RPT230717087



ANALYSIS OF AIRBORNE FIBER SAMPLING SAMPLING PERFORMED BY CLIENT NALYSIS 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 7/17/2023

Job ID: 23070286

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
23070286.01	MSE01-062623	06/26/2023	Area	2			548	1096	100	34	43.312	0.015		07/17/23	
23070286.02	MSE02-062623	06/26/2023	Area	2			547	1094	100	35	44.586	0.016		07/17/23	
23070286.03	MSE01-062723	06/27/2023	Area	2			556	1112	100	29.0	36.943	0.013		07/17/23	
23070286.04	MSE02-062723	06/27/2023	Area	2			565	1130	100	21.0	26.752	0.009		07/17/23	
23070286.05	MSE01-062823	06/28/2023	Area	2			565	1130	100	16.5	21.019	0.007		07/17/23	
23070286.06	MSE02-062823	06/28/2023	Area	2			563	1126	100	21.5	27.389	0.009		07/17/23	
23070286.07	MSE01-062923	06/29/2023	Area	2			375	750	100	15.5	19.745	0.010		07/17/23	
23070286.08	MSE02-062923	06/29/2023	Area	2			377	754	100	20.5	26.115	0.013		07/17/23	

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

Α&	3 JobID: 23070286	Date Received: 07/06/2023 Time Received: 9:0	07AM		
	ent Name : GES - ASRC Industrial				
		Canada alla NA			
	nperature : 23.1°C	Sample pH: NA			
	ermometer ID : IR5	pH Paper ID: NA			
Ре	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-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.	Matrix: Soil Liquid Slu	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
	mments : Include actions taken to resol				
NO (cooler was received, however samples are r	eceived in a box with a custody seal. Black Cassettes. ~ 6/28/2023			

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

ab-s005-0321

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COC ID # 070523ASBE



1501 W Fountainhead Parkway, Tempe AZ 85282 Laboratory: A&B Labs Event: Parcel E Asbestos Project Name: Hunters Point Shipyard, Parcel E RA Phase II Project Number: J310000400 Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 WBS Code: J310000400 Code Page 1 of 4 Comments: Air A Job ID:23070286 AQ Air Quality Control Matrix Analytical Test Method Container/Preservative ilter/No Preservatives Equipment: Event: Parcel E Asbestos Depth (ft bgs) Samp Sample Time Location ID Cooler Comments Sample ID Matrix Date Init. Type Top - Bottom 1 MSE01-062623 1539 MSE01 N1 0.00 0.00 1 06/26/2023 A 0.00 2 MSE02-062623 1531 MSE02 N1 0.00 1 Α 06/26/2023 10 11 Turnaround Time: 7 days Shipping Date / Carrier / Airbill Number Received by: (Signature) Relinquished by: (Signature) Shipping Date: 07/05/23 / FEDEX 7724 3182 7073 1300 7/4/23 9:07 7/4/23 9:07 23.1°C 185

Gilbane Federal

COC ID # 070523ASBE



1501 W Fountainhead Parkway, Tempe AZ 85282 Event: Parcel E Asbestos Laboratory: A&B Labs Project Name: Hunters Point Shipyard, Parcel E RA Phase II POC: Project Number: J310000400 Ship to: 10100 East Fwy Ste. 100 Houston TX 77029 WBS Code: J310000400 Page 2 of 4 Matrix Comments: A AQ Air Quality Control Matrix Analytical Test Method Container/Preservative ilter/No Preservatives Equipment: Event: Parcel E Asbestos Depth (ft bgs) Sample Samp Location ID Cooler Comments Matrix Date Time Sample ID Type Top - Bottom 0.00 1552 MSE01 N1 0.00 1 1 MSE01-062723 06/27/2023 0.00 1 MSE02 0.00 2 MSE02-062723 1547 N1 Α 06/27/2023 10 11 Turnaround Time: 7 days Date Shipping Date / Carrier / Airbill Number Received by: (Signature) Time Date Relinquished by: (Signature) Shipping Date: 07/05/23 / FEDEX 7724 3182 7073 300 7/6/23 9:07 9:07 23.106 185

CHAIN-OF-CUSTODY

COC ID # 070523ASBE



RECORD		1501	W Fountair	nhead Park	way,	Tem	pe AZ 8	85282											Six a Self-stabilities on Telephone
Project Name: Hunters Point Ship	pyard, Parcel	E RA Phase II			Labo	orator	y: A&B	Labs	,									Event: F	Parcel E Asbestos
Project Number: J310000400					POC														
WBS Code: J310000400					Ship	to: 1	0100 E	ast Fw	vy Ste.	. 100 h	Housto	on TX	77029						
Comments:	E)			Analytical Test Method	Asbestos				Z/s	J.	12		Code Cont	Quality Cont amer/Preservator	ve				Page 3 of
Equipment:				Ā	1		\perp		-			1			X L SATELLO				
Event: Parcel E Asbestos					1											9 1000			
Sample ID	Matrix	Date	Time	Samp Init.									Loca	ation ID	Sample Type		Depth (ft bgs)	Cooler	Comments
		10000000	15.15						-			-	NA:	SE01		0.00	0.00	1	
1 MSE01-062823	A	06/28/2023	1549		×	7			+	+	\mathbf{H}	+	X220	SE02	N1 N1	0.00	0.00	1	
2 MSE02-062823	A	06/28/2023	1542		x	\vdash			+	+	Н	-	IVI	3EU2	INI	0.00	0.00		
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. 5.5															23	5.100	CIR	2	

OSA

COC ID # 070523ASBE

7/6/23 9:07



Gilbane Federal 1501 W Fountainhead Parkway, Tempe AZ 85282 Project Name: Hunters Point Shipyard, Parcel E RA Phase II Laboratory: A&B Labs Event: Parcel E Asbestos POC: Project Number: J310000400 Ship to: 10100 East Fwy Ste, 100 Houston TX 77029 WBS Code: J310000400 Page 4 of 4 Comments: AQ Air Quality Control Matrix Container/Preservative ilter/No Preservatives Equipment: Event: Parcel E Asbestos Depth (ft bgs) Sample Samp Cooler Comments Location ID Matrix Date Time Sample ID Туре Top - Bottom 0.00 MSE01 N1 0.00 1 1 MSE01-062923 1255 A 06/29/2023 MSE02 N1 0.00 0.00 1 MSE02-062923 06/29/2023 1250 A 10 11 Turnaround Time: 7 days Shipping Date / Carrier / Airbill Number Received by: (Signature) Relinquished by: (Signature) Shipping Date: 07/05/23 / FEDEX 7724 3182 7073

07A 08A

Project Name: Hunters	Point Shipya	rd, Parcel E RA	A 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)	7
MSE01-062623	26-Jun	15:39	2; 548	
MSE02-062623	26-Jun	15:31	2; 547	
MSE01-062723	27-Jun	15:52	2; 556	
MSE02-062723	27-Jun	15:47	2; 565	
MSE01-062823	28-Jun	15:49	2; 565	
MSE02-062823	28-Jun	15:42	2; 563	
MSE01-062923	29-Jun	12:55	2; 375	
MSE02-062923	29-Jun	12:50	2; 377	

SHIP DATE: 20JUN23 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

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7724 3182 7073

77029 IAH



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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



Final Report

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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

Final Report

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



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					
				۳		- 1.	J C				,]	,							
				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						20	
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															52.5531

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
						12:45 Seus Just 1

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:												Monitorin	ng
WB	S Code: J310000400-016		Shi	p to: 10329 Stony Run Lane, Ashland, 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					1				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
	6/6/23		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



Project Name: Hunters Point Shipyard, Parcel E RA Phase 2								ory: I	EUR	OFIN	NS B	UIL ⁻	TEN	VIR	NMENT TESTING ANALY	TICS, ASH	ILAND,	VA	Event: Parcel 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				
Comments:															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	A	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

June 20, 2023

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

Laboratory Workorder ID: B165089

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: June 14, 2023 Reported: June 20, 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



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: 06/14/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

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

										HUNTERS PT
Lab ID: B165089001	Sample ID:	PM031223-44	AMSE1			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/6/2023 6:37:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/15/23	1759510 L	1000 ug			27200 ug	15 ug/M3
Lab ID: B165089002	Sample ID:	TSP031223-45	AMSE1			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/6/2023 6:37:00 AM
				A I I .		D antinan				
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Partic	culates	40CFR50 App.B	1	06/15/23	1661730 L	1000 ug			59500 ug	36 ug/M3
Copper		40 CFR Part 50	Appendix G	06/20/23	1661730 L	98 ug			828 ug	0.499 ug/M3
Lead		40 CFR Part 50	Appendix G	06/20/23	1661730 L	14 ug			< 14 ug	< 0.008 ug/M3
Manganese		40 CFR Part 50	Appendix G	06/20/23	1661730 L	98 ug			< 98 ug	< 0.059 ug/M3
Lab ID: B165089003	Sample ID:	PM031223-46	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/6/2023 6:30:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/15/23	1779030 L	1000 ug			17900 ug	10 ug/M3



Final Report

Analyte Method Dailysis Date Volume Reporting Front Front Rear Total Total Concentration Copper 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 98 ug 286 ug 0.163 ug/M3 Lead 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 98 ug < 14 ug < 14 ug < 0.008 ug/M3 Lead 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 98 ug < 98 ug < 0.008 ug/M3 Lab ID: B165089005 Sample ID: PM031223-48 AMSE1 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 67/2023 6:35:00 AM Lab ID: B165089005 Sample ID: TSP031223-49 AMSE1 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 67/2023 6:35:00 AM Lab ID: B165089006 Sample ID: TSP031223-49 AMSE1 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 67/2023 6:35:00 AM Lab ID: B165089006 Sample ID: TSP031223-49 AMSE1 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 67/2023 6:35:00 AM Lab ID: B165089000 Sample ID: TSP031223-49 AMSE1 Media:<	Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Maly Method Me	Lab ID:	B165089007	Sample ID:	PM032123-02	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/7/2023 6:29:00 AM
Analyte	Mangane	ese		40 CFR Part 50	Appendix G	06/20/23	1666360 L	98 ug			< 98 ug	< 0.059 ug/M3
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App. Body Appendix G 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper	Lead			40 CFR Part 50	Appendix G	06/20/23	1666360 L	14 ug			< 14 ug	< 0.008 ug/M3
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App. B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper 40 CFR Part 50 App. Bendix G 06/20/23 1748710 L 98 ug 285 ug 0.163 ug/M3 Lead 40 CFR Part 50 App. Bendix G 06/20/23 1748710 L 14 ug 14 ug 14 ug 0.008 ug/M3 Manganese 40 CFR Part 50 App. Bendix G 06/20/23 1748710 L 98 ug 98 ug 98 ug 0.056 ug/M3 Lab ID: B165089005 Sample ID: PM031223-48 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 6/7/2023 6:35:00 AM PM10 Particulates 40CFR50 App. J 06/15/23 1761790 L 1000 ug 11700 ug 7 ug/M3 Lab ID: B165089006 Sample ID: TSP031223-49 AMSE1 Media: 8/10 PREWEIGHED GLASS Sample Date: 6/7/2023 6:35:00 AM Lab ID: B165089006 Sample	Copper			40 CFR Part 50	Appendix G	06/20/23	1666360 L	98 ug			682 ug	0.409 ug/M3
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 285 ug 0.163 ug/M3 Lead 40 CFR Part 50 Appendix G 06/20/23 1748710 L 14 ug < 14 ug	Total Sus	spended Partic	ulates	40CFR50 App.B		06/15/23	1666360 L	1000 ug			23200 ug	14 ug/M3
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR50 App.B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 285 ug 0.163 ug/M3 Lead 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 40 ug<	Analyte			Method		•	Volume		Front	Rear	Total	Concentration
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App.B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 285 ug 0.163 ug/M3 Lead 40 CFR Part 50 Appendix G 06/20/23 1748710 L 14 ug < 14 ug	Lab ID:	B165089006	Sample ID:	TSP031223-49	AMSE1			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/7/2023 6:35:00 AM
Analyse Method Date Date Date Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App.B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper	PM10 Pa	articulates		40CFR50 App.J		06/15/23	1761790 L	1000 ug			11700 ug	7 ug/M3
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App. B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 285 ug 0.163 ug/M3 Lead 40 CFR Part 50 Appendix G 06/20/23 1748710 L 14 ug < 14 ug < 14 ug < 98 ug < 98 ug < 98 ug < 98 ug < 0.056 ug/M3	Analyte			Method			Volume		Front	Rear	Total	Concentration
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 285 ug 0.163 ug/M3 Lead 40 CFR Part 50 Appendix G 06/20/23 1748710 L 14 ug < 14 ug	Lab ID:	B165089005	Sample ID:	PM031223-48	AMSE1			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/7/2023 6:35:00 AM
Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40 CFR 50 App.B 06/15/23 1748710 L 1000 ug 38700 ug 22 ug/M3 Copper 40 CFR Part 50 Appendix G 06/20/23 1748710 L 98 ug 285 ug 0.163 ug/M3	Mangane	ese		40 CFR Part 50	Appendix G	06/20/23	1748710 L	98 ug			< 98 ug	< 0.056 ug/M3
Analyte Method Method Particulates 40CFR50 App.B 06/15/23 1748710 L 1000 ug September 1000 ug	Lead			40 CFR Part 50	Appendix G	06/20/23	1748710 L	14 ug			< 14 ug	< 0.008 ug/M3
Analysis Reporting Analyte Method Date Volume Limit Front Rear Total Concentration	Copper			40 CFR Part 50	Appendix G	06/20/23	1748710 L	98 ug			285 ug	0.163 ug/M3
Analysis Reporting	Total Sus	spended Partic	ulates	40CFR50 App.E		06/15/23	1748710 L	1000 ug			38700 ug	22 ug/M3
Wieula. ONTO FILEWEIGHED GEAGG Gample Date. 0/0/2023 0.30.00 AM	Analyte			Method			Volume		Front	Rear	Total	Concentration
Lab ID: B165089004 Sample ID: TSP031223-47 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 6/6/2023 6:30:00 AM	Lab ID:	B165089004	Sample ID:	TSP031223-47	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/6/2023 6:30:00 AM

Report ID:: B165089-202306203216

Analysis Report Section - Page 3



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

	•										
Lab ID:	B165089007	Sample ID:	PM032123-02	AMSE2			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	6/7/2023 6:29:00 AM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		06/15/23	1785140 L	1000 ug			10000 ug	6 ug/M3
Lab ID:	B165089008	Sample ID:	TSP032123-03	AMSE2			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	6/7/2023 6:29:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total S	uspended Partic	ulates	40CFR50 App.E		06/15/23	1779410 L	1000 ug			19700 ug	11 ug/M3
Copper			40 CFR Part 50	Appendix G	06/20/23	1779410 L	98 ug			312 ug	0.176 ug/M3
Lead			40 CFR Part 50	Appendix G	06/20/23	1779410 L	14 ug			19 ug	0.011 ug/M3
Mangar	nese		40 CFR Part 50	Appendix G	06/20/23	1779410 L	98 ug			< 98 ug	< 0.055 ug/M3
Lab ID:	B165089009	Sample ID:	PM032123-04	AMSE1			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	6/8/2023 6:44:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		06/15/23	1764130 L	1000 ug			25200 ug	14 ug/M3
Lab ID:	B165089010	Sample ID:	TSP032123-05	AMSE1			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	6/8/2023 6:44:00 AM
Analyte	9		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Si	uspended Partic	ulates	40CFR50 App.E		06/15/23	1669470 L	1000 ug			52100 ug	31 ug/M3
Copper			40 CFR Part 50	Appendix G	06/20/23	1669470 L	98 ug			665 ug	0.398 ug/M3
Lead			40 CFR Part 50	Appendix G	06/20/23	1669470 L	14 ug			< 14 ug	< 0.008 ug/M3

Report ID:: B165089

B165089-202306203216

Analysis Report Section - Page 4

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

Lab ID: B165089010	Sample ID:	TSP032123-05	AMSE1			Media: 8X1	10 PREWEIGH	IED GLASS	Sample Date:	6/8/2023 6:44:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Manganese		40 CFR Part 50	Appendix G	06/20/23	1669470 L	98 ug			< 98 ug	< 0.059 ug/M3
Lab ID: B165089011	Sample ID:	PM032123-06	AMSE2			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	6/8/2023 6:36:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/15/23	1795710 L	1000 ug			10800 ug	6 ug/M3
Lab ID: B165089012	Sample ID:	TSP032123-07	AMSE2			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	6/8/2023 6:36:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Partice	ulates	40CFR50 App.B		06/15/23	1789660 L	1000 ug			16100 ug	9 ug/M3
Copper		40 CFR Part 50	Appendix G	06/20/23	1789660 L	98 ug			209 ug	0.117 ug/M3
Lead		40 OED D 50	A	06/20/22	4700000 I					
		40 CFR Part 50	Appenaix G	00/20/23	1789660 L	14 ug			< 14 ug	< 0.008 ug/M3
Manganese		40 CFR Part 50			1789660 L	14 ug 98 ug			< 14 ug < 98 ug	< 0.008 ug/M3 < 0.055 ug/M3
Manganese Lab ID: B165089013	Sample ID:					98 ug	10 PREWEIGH	IED GLASS		-
	Sample ID:	40 CFR Part 50	Appendix G			98 ug	10 PREWEIGH Front	IED GLASS	< 98 ug	< 0.055 ug/M3

Final Report

Lab ID : B165089014	Sample ID:	TSP032123-09	AMSE1				Media:	8X10 PREV	VEIGHED GLASS	Sample Date:	6/8/2023 2:45:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	J Front	Rear	Total	Concentration
Total Suspended Partice	ulates	40CFR50 App.B	3	06/15/23	549360	L	1000 ug			44600 ug	81 ug/M3
Copper		40 CFR Part 50	Appendix G	06/20/23	549360	L	98 ug			271 ug	0.493 ug/M3
Lead		40 CFR Part 50	Appendix G	06/20/23	549360	L	14 ug			15.3 ug	0.028 ug/M3
Manganese		40 CFR Part 50	Appendix G	06/20/23	549360	L	98 ug			< 98 ug	< 0.178 ug/M3
Lab ID: B165089015	Sample ID:	PM032123-10	AMSE2				Media:	8X10 PREV	VEIGHED GLASS	Sample Date:	6/8/2023 2:57:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	J Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/15/23	C4 40F0						
		4001 100 / tpp.0		00/13/23	614050	L	1000 ug			6300 ug	10 ug/M3
Lab ID: B165089016	Sample ID:	TSP032123-11	AMSE2	00/13/23	614050	L		8X10 PREV	VEIGHED GLASS		10 ug/M3 6/8/2023 2:57:00 PM
Lab ID: B165089016 Analyte	Sample ID:			Analysis Date	Volume	L					,
		TSP032123-11	AMSE2	Analysis			Media:	1		Sample Date:	6/8/2023 2:57:00 PM
Analyte		TSP032123-11 Method	AMSE2	Analysis Date	Volume	L	Media:	1		Sample Date:	6/8/2023 2:57:00 PM Concentration
Analyte Total Suspended Partice		TSP032123-11 Method 40CFR50 App.B	AMSE2 Appendix G	Analysis Date 06/15/23 06/20/23	Volume 578650	L L	Media: Reporting Limit	1		Sample Date: Total 11700 ug	6/8/2023 2:57:00 PM Concentration 20 ug/M3



Eurofins Analytics, LLC 10329 Stony Run Lane Ashland, Va 23005 5-3000 Fax: (804) 365-3002

Phone: (804) 365-3000 Fax: (804) 365-3002 AIHA LAP, LLC Accreditation ID 100531

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:: B165089-202306203216

Analysis Report Section - Page 7

Gilbane Federal

COC # 061323AIRE



		Parcel E RA I	Phase 2		Lab	oorat	ory:	EURO	FIN	SBU	ILT	ENV	/IRO	NMENT TESTING ANAL	YTICS ASE	JI AND	VΔ	Event: B	arcel E Phase 2 Air
Project Number: J310000400				11.00	PO	C:									1.00,7101	IL TIVD,	V/\	Monitori	ng
WBS Code: J310000400-016	That is	11			_		103	29 Std	ny F	Run L	ane	, Asl	hland	d, VA 23005					
Comments:				Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu			(3)	12,	20		Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	е				Page 1 of 4
Event: Parcel E Phase 2 A	ir Monitorin	g			1	1	1												
	Matrix	Date	Time	Samp Init.							ı	1		Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
Sample ID		00/00/0000	0637		x		-			rf				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
1 PM031223-44	Α	06/06/2023	1631						T.	L 1	7				_				(1110).
1 PM031223-44 2 TSP031223-45	A	06/06/2023	0637			Х	X		ϵ	21	51	21	2	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
1 PM031223-44					X	Х	X		[4		23	3-	AMSE1 AMSE2	N1 N1	0.00	0.00	1	VOLUME (M3): VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/13/23	1300	Fedex	6/13/23		Shipping Date: 6/13/2023 / FEDEX / 7723 0782 4684
	3			6/14/33	12:58	
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GES.Navy_COC_Field						- Octob Judine

Gilbane Federal

COC # 061323AIRE

	oject Name: Hunters Po		I, Parcel E RA	Phase 2		La	borat	ory: E	URC	FIN	SBL	JILT	ENV	/IRO	NMENT TESTING ANAL	YTICS ASI	HIAND	\/^	Event D	
_	oject Number: J310000					PC	C								THE TESTINO AIME	1100, 70	IILAND,	VA	Monitor	arcel E Phase 2 Air
WI	3S Code: J310000400-0	16		-		Sh	ip to:	1032	9 Sto	ny F	Run I	ane	, As	hlan	d, VA 23005				-	
Co	Comments:							Cu	I X		2	3			Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	e				Page 2 of 4
≣qı	lipment: Event: Parcel E Phase	2 4:- 144			Analytical Test Method		:=	SW6010B - Air Pb Mn C				\								
	Event. Faice E Fliase	2 Air Monitor	ng		The second	1	1	1												
1	Sample ID PM031223-48	Matri		Time	Samp Init.										Location ID	Sample Type	-	(ft bgs) Bottom	Cooler	Comments
2		A	06/07/2023	0635		Х			/		-	1	,		AMSE1	N1	0.00	0.00	1	VOLUME (M3)
2	TSP031223-49	A	06/07/2023	0635			Х	X	1		1	1/2	/		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM032123-02	A	06/07/2023	0629		Х						X	Z	5	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP032123-03	A	06/07/2023	0629			Х	x		$\overline{}$		_	\rightarrow		AMSE2					(IVIO).

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
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				6/14/23	12:58	
				-119/65	12.38	Received by Laboratory (Simpature, Date, Time) & condition
						6/14/23 (VStOdy
PES Name COO Field						12:58 Seals Inter

Gilbane Federal

COC # 061323AIRE



Project Name: Hunters Point S	nipyard, i	Parcel E RA P	nase 2				ory: E	URO	FINS	BUI	LTE	IVIRO	NMENT TESTING ANALYTIC	S ASH	LAND, '	VA		arcel E Phase 2 Air
Project Number: J310000400					PO												Monitori	ing
WBS Code: J310000400-016		The state of	Tollar		Shi	p to:	1032	9 Sto	ny Ru	un La	ine, A	shlar	d, VA 23005					
Comments:		poq			Mn Cu		4		3/2	7	Code Matrix A Air Code Container/Preservative 1 1x Envelope, None		- 6.	1		Page 3 of 4		
Equipment:				I Analytical Test Method	JR - Air PM10	- Air TSP	SW6010B - Air Pb M					7						
Event: Percel E Phase 2 Air	Maritania			Anal	CAAIR	the state of	-		00000			1						
Event: Parcel E Phase 2 Air	Monitoring	3			1	the state of	3MS 1		C WE									
Event: Parcel E Phase 2 Air	-		Time	Samp	1775	the state of	-							-		(ft bgs)		
and a long t	Matrix A	Date	Time		1	the state of	-						Location ID	Туре	Top - I	Bottom	Cooler	Comments VOLUME (M2):
Sample ID	Matrix	Date 06/08/2023	0644	Samp	1775	1	1				12/		Location ID AMSE1	Type N1	Top - I	0.00	Cooler 1	VOLUME (M3):
Sample ID 1 PM032123-04	Matrix A	Date	7337505355	Samp	1	1	-				3/2	3	Location ID	Туре	Top - I	Bottom		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/13/23	1300	Fedex	6/13/23)300	Shipping Date: 6/13/2023 / FEDEX / 7723 0782 4684
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						Received by Laboratory: (Signature, Date, Time) & condition
						12:58 Sells Intel

Gilbane Federal

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

COC# 061323AIRE



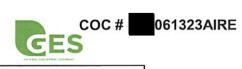
																		WHE COM	TIME COLUMN
Pro	ject Name: Hunters Point Sh	ipyard,	Parcel E RA F	Phase 2	- 1	Lab	orato	ry: E	UROF	INS	BUIL	TEN	VIRC	NMENT TESTING ANALY	TICS, ASH	HLAND,	VA	Event:	Parcel E Phase 2 Air
Pro	ject Number: J310000400		. ***	Ten-		PO										a line		Monito	
WB	S Code: J310000400-016	151		u'il i	HILF.	Shi	p to:	10329	9 Stor	ıy Rı	ın La	ne, A	shlan	d, VA 23005	S		-		
	Comments:							b Mn Cu						Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 4 of 4
Equ	lipment:				Analytical Test N	CAAIR - Air PM10	ir TSF	SW6010B - Air Pb			X	-	3						
	Event: Parcel E Phase 2 Air N	/onitorin	g			1	miglatur da	1											
	Sample ID	Matrix	Date	Time	Samp										Sample		(ft bgs)		
1	PM032123-08			Time	Init.		-						_	Location ID	Туре	_	Bottom	Cooler	Comments
-		A	06/08/2023	1445		X	_		^		1	4		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP032123-09	Α	06/08/2023	1445			Χ .	X			Q	13/		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM032123-10	А	06/08/2023	1457		Х					1	42	>	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP032123-11	Α	06/08/2023	1457			X :	x 🗆				>		AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	1	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
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					•		Received by Laboratory: (Signature, Date, Time) & condition
5 = 1 =							12:58 Seals Textage

Turnaround Time: 5 days

VOLUME (M3):

Gilbane Federal



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

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

Project Number: J310000400

WBS Code: J310000400-016

Event: Parcel E Phase 2 Air Monitoring

	Sample ID	Matrix	Time 1	Date	Comments
1	PM031223-44	Α	0637	06/06/2023	VOLUME (M3): 1759.51
2	TSP031223-45	A	0637	06/06/2023	VOLUME (M3): 1661.73
3	PM031223-46	Α	0630	06/06/2023	VOLUME (M3): 1779.03
4	TSP031223-47	Α	0630	06/06/2023	VOLUME (M3): 1748.71
5	PM031223-48	Α	0635	06/07/2023	VOLUME (M3): 1761.79
6	TSP031223-49	Α	0635	06/07/2023	VOLUME (M3): 1666.36
7	PM032123-02	Α	0629	06/07/2023	VOLUME (M3): 1785.14
8	TSP032123-03	Α	0629	06/07/2023	VOLUME (M3): 1779.41
9	PM032123-04	Α	0644	06/08/2023	VOLUME (M3): 1764.13
10	TSP032123-05	Α	0644	06/08/2023	VOLUME (M3): 1669.47
11	PM032123-06	Α	0636	06/08/2023	VOLUME (M3): 1795.71
12	TSP032123-07	Α	0636	06/08/2023	VOLUME (M3): 1789.66
13	PM032123-08	Α	1445	06/08/2023	VOLUME (M3): 580.86
14	TSP032123-09	Α	1445	06/08/2023	VOLUME (M3): 549.36
15	PM032123-10	Α	1457	06/08/2023	VOLUME (M3): 614.05
16	TSP032123-11	Α	1457	06/08/2023	VOLUME (M3): 578.65

6.

Sample ID	Cubic Meter	Volume (L)
PM031223-44	1759.51	1759510
TSP031223-45	1661.73	1661730
PM031223-46	1779.03	1779030
TSP031223-47	1748.71	1748710
PM031223-48	1761.79	1761790
TSP031223-49	1666.36	1666360
PM032123-02	1785.14	1785140
TSP032123-03	1779.41	1779410
PM032123-04	1764.13	1764130
TSP032123-05	1669.47	1669470
PM032123-06	1795.71	1795710
TSP032123-07	1789.66	1789660
PM032123-08	580.86	580860
TSP032123-09	549.36	549360
PM032123-10	614.05	614050
TSP032123-11	578.65	578650
101 002 120 11		0
		0
		0



Level 2 QA/QC Summary Report

Work Order #: B165089

Report Date: 6/20/2023

Batch ID:ICP230615BAnalysis Date:6/19/2023Media::8X10PW GFFPreparation Date6/15/2023

Blank Spike Results

Percent Recovery

QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP2	BLKSPK	Copper	97	98	75-125	1.0	25
LCS ICP2	BLKSPK	Lead	110	112	75-125	1.0	25
LCS ICP2	BLKSPK	Manganese	95	95	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 26, 2023

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

Laboratory Workorder ID: B172035

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: June 21, 2023 Reported: June 26, 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: B172035-202306261844



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: 06/21/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

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

, , _ 00_0_					0	00.0000.000	. •				PT
Lab ID: B17203500	1 Sample ID:	PM032123-30	AMSE1			Media:	8X10 P	REWEIGH	IED GLASS	Sample Date:	6/13/2023 6:35:00 AM
Analyte		Method		Analysis Date	Volume	Reportir Limit	•	ront	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.	I	06/22/23	1755480 L	1000 ug				17500 ug	10 ug/M3
	0 0 1 10	T0D000400 04	111051			14 P	0)/40 D	DEWEIGI	UED 01 400	0 1 5 /	0/40/0000 0 05 00 444
Lab ID : B17203500	2 Sample ID:	TSP032123-31	AMSE1			Media:	8X10 P	REWEIGH	IED GLASS	Sample Date:	6/13/2023 6:35:00 AM
				Analysis		Reportir	ıg				
Analyte		Method		Date	Volume	Limit	F	ront	Rear	Total	Concentration
Total Suspended Pa	rticulates	40CFR50 App.E	3	06/22/23	1657010 L	1000 ug				46000 ug	28 ug/M3
Copper		40CFR50App.G 6010B	Mod./EPA	06/23/23	1657010 L	98 ug				1636 ug	0.9872 ug/M3
Lead		40CFR50App.G 6010B	Mod./EPA	06/23/23	1657010 L	14 ug				18.13 ug	0.0109 ug/M3
Manganese		40CFR50App.G 6010B	Mod./EPA	06/23/23	1657010 L	98 ug				< 98 ug	< 0.0591 ug/M3
			_								
Lab ID: B17203500	3 Sample ID:	PM032123-32	AMSE2			Media:	8X10 P	REWEIGH	IED GLASS	Sample Date:	6/13/2023 6:28:00 AM
				Analysis		Reportir	a a				
Analyte		Method		Date	Volume	Limit	•	ront	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.	ı	06/22/23	1787090 L	1000 ug				9000 ug	5 ug/M3

4 Sample ID:	TSP032123-33	AMSE2			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/13/2023 6:28:00 AM
	Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
rticulates	40CFR50 App.f	В	06/22/23	1777000 L	1000 ug			21900 ug	12 ug/M3
	40CFR50App.G 6010B	6 Mod./EPA	06/23/23	1777000 L	98 ug			158.6 ug	0.0892 ug/M3
	40CFR50App.G 6010B	Mod./EPA	06/23/23	1777000 L	14 ug			< 14 ug	< 0.0079 ug/M3
	40CFR50App.G 6010B	Mod./EPA	06/23/23	1777000 L	98 ug			< 98 ug	< 0.0551 ug/M3
5 Sample ID:	PM032123-34	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/14/2023 6:34:00 AM
	Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
	40CFR50 App.	J	06/22/23	1749470 L	1000 ug			38400 ug	22 ug/M3
Sample ID:	TSP032123-35	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/14/2023 6:34:00 AM
	Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
rticulates	40CFR50 App.F	В	06/22/23	1653170 L	1000 ug			98600 ug	60 ug/M3
	40CFR50App.G 6010B	Mod./EPA	06/23/23	1653170 L	98 ug			973.8 ug	0.589 ug/M3
	40CFR50App.G 6010B	Mod./EPA	06/23/23	1653170 L	14 ug			33.08 ug	0.02 ug/M3
De la constant de la	articulates Sample ID:	Method articulates 40CFR50 App. 06010B 40CFR50App. 06010B 40CFR50App. 06010B 40CFR50App. 06010B Method 40CFR50 App. 06010B Method 40CFR50 App. 06010B Method 40CFR50 App. 06010B 40CFR50App. 06010B 40CFR50App. 06010B 40CFR50App. 06010B 40CFR50App. 06010B 40CFR50App. 06010B	Method	Method Analysis Date articulates 40CFR50 App.B 06/22/23 40CFR50App.G Mod./EPA 06/23/23 6010B 40CFR50App.G Mod./EPA 06/23/23 6010B 40CFR50App.G Mod./EPA 06/23/23 6010B 40CFR50App.G Mod./EPA 06/23/23 05 Sample ID: PM032123-34 AMSE1 Method Analysis Date Method Analysis Date	Method	Method Analysis Date Volume Reporting Limit articulates 40CFR50 App.B 06/22/23 1777000 L 1000 ug 40CFR50App.G Mod./EPA 6010B 06/23/23 1777000 L 98 ug 40CFR50App.G Mod./EPA 6010B 06/23/23 1777000 L 14 ug 40CFR50App.G Mod./EPA 6010B 06/23/23 1777000 L 98 ug Method Analysis Date Volume Reporting Limit Anticulates 40CFR50 App.B 06/22/23 1653170 L 1000 ug 40CFR50App.G Mod./EPA 60/23/23 1653170 L 14 ug 14 ug	Method	Method	Method



Lab ID:	B172035007	Sample ID:	PM032123-36	AMSE2			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	6/14/2023 6:26:00 AM
Analyte	.		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.	J	06/22/23	1770870 L	1000 ug			6000 ug	3 ug/M3
Lab ID:	B172035008	Sample ID:	TSP032123-37	AMSE2			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	6/14/2023 6:26:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Partic	culates	40CFR50 App.E	3	06/22/23	1765830 L	1000 ug			17800 ug	10 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	06/23/23	1765830 L	98 ug			< 98 ug	< 0.0555 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	06/23/23	1765830 L	14 ug			< 14 ug	< 0.0079 ug/M3
Mangar	nese		40CFR50App.G 6010B	Mod./EPA	06/23/23	1765830 L	98 ug			< 98 ug	< 0.0555 ug/M3
Lab ID:	B172035009	Sample ID:	PM032123-38	AMSE1			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	6/15/2023 6:31:00 AM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.	J	06/22/23	989290 L	1000 ug			23500 ug	24 ug/M3
Lab ID:	B172035010	Sample ID:	TSP032123-39	AMSE1			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	6/15/2023 6:31:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Partic	culates	40CFR50 App.E	3	06/22/23	936880 L	1000 ug			56000 ug	60 ug/M3

Lab ID:	B172035010	Sample ID:	TSP032123-39	AMSE1			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/15/2023 6:31:00 AM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Copper			40CFR50App.G 6010B	Mod./EPA	06/23/23	936880 L	98 ug			427.7 ug	0.4565 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	06/23/23	936880 L	14 ug			16.27 ug	0.0174 ug/M3
Mangar	nese		40CFR50App.G 6010B	Mod./EPA	06/23/23	936880 L	98 ug			< 98 ug	< 0.1046 ug/M3
Lab ID:	B172035011	Sample ID:	PM032123-40	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/15/2023 6:23:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		06/22/23	1767330 L	1000 ug			16600 ug	9 ug/M3
Lab ID:	B172035012	Sample ID:	TSP032223-01	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	6/15/2023 6:23:00 AM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total S	uspended Partic	ulates	40CFR50 App.E	3	06/22/23	1766380 L	1000 ug			35500 ug	20 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	06/23/23	1766380 L	98 ug			114.2 ug	0.0647 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	06/23/23	1766380 L	14 ug			< 14 ug	< 0.0079 ug/M3
Mangar	nese		40CFR50App.G 6010B	Mod./EPA	06/23/23	1766380 L	98 ug			< 98 ug	< 0.0555 ug/M3



		_									_	
Lab ID: B172035013	Sample ID:	PM032223-02	AMSE1				Media:	8X1	10 PREWEIGH	ED GLASS	Sample Date:	6/15/2023 2:15:00 PM
							. .:					
Analyte		Method		Analysis Date	Volume		Reporting Limit	g	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/22/23	560880	L	1000 ug				11400 ug	20 ug/M3
Lab ID: B172035014	Sample ID:	TSP032223-03	AMSE1				Media:	8X1	10 PREWEIGH	ED GLASS	Sample Date:	6/15/2023 2:15:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	g	Front	Rear	Total	Concentration
Total Suspended Particu	lates	40CFR50 App.B		06/22/23	532380	L	1000 ug				24300 ug	46 ug/M3
Copper		40CFR50App.G 6010B	Mod./EPA	06/23/23	532380	L	98 ug				571.7 ug	1.074 ug/M3
Lead		40CFR50App.G 6010B	Mod./EPA	06/23/23	532380	L	14 ug				< 14 ug	< 0.0263 ug/M3
Manganese		40CFR50App.G 6010B	Mod./EPA	06/23/23	532380	L	98 ug				< 98 ug	< 0.1841 ug/M3
Lab ID: B172035015	Sample ID:	PM032223-04	AMSE2				Media:	8X1	10 PREWEIGH	ED GLASS	Sample Date:	6/15/2023 2:07:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	g	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/22/23	571130	L	1000 ug				7100 ug	12 ug/M3
Lab ID: B172035016	Sample ID:	TSP032223-05	AMSE2				Media:	8X1	I0 PREWEIGH	ED GLASS	Sample Date:	6/15/2023 2:07:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	g	Front	Rear	Total	Concentration
Total Suspended Particu	lates	40CFR50 App.B		06/22/23	567980	L	1000 ug				13900 ug	24 ug/M3

Lab ID: B172035016	Sample ID:	TSP032223-05 AN	MSE2			Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	6/15/2023 2:07:00 PM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Copper		40CFR50App.G Mod 6010B	d./EPA	06/23/23	567980 L	98 ug			115 ug	0.2024 ug/M3
Lead		40CFR50App.G Mod 6010B	d./EPA	06/23/23	567980 L	14 ug			< 14 ug	< 0.0246 ug/M3
Manganese		40CFR50App.G Mod 6010B	d./EPA	06/23/23	567980 L	98 ug			< 98 ug	< 0.1725 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:: B172035-202306261844

Gilbane Federal

COC# 062023AIRE



B 1 7 2 0 3 5

Project Name: Hunters Point Shi	Name: Hunters Point Shipyard, Parcel E RA Phase 2 Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA									/A	Event: Parcel E Phase 2 Air							
Project Number: J310000400	100		Z-mm	-	POC										Monitoring			
WBS Code: J310000400-016				519	Ship	to: 10	329 Sto	ny Rui	Lane,	Ashlar	d, VA 23005			-115				
Comments:				Test Method		B - Air Pb Mn Cu	1 1				Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 1 of 4		
Event: Parcel E Phase 2 Air M	Monitorin	g.		Analytica	CAAIR -	SW6010B								- A				
Sample ID	Matrix	Date	Time	Samp Init.							Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments		
1 PM032123-30	Α	06/13/2023	0635		Х						AMSE1	N1	0.00	0.00	1	VOLUME (M3):		
2 TSP032123-31	Α	06/13/2023	0635		7	(X					AMSE1	N1	0.00	0.00	1	VOLUME (M3):		
3 PM032123-32	Α	06/13/2023	0628		х						AMSE2	N1	0.00	0.00	1	VOLUME (M3):		
4 TSP032123-33	Α	06/13/2023	0628		7	(X					AMSE2	N1	0.00	0.00	1	VOLUME (M3):		
Turnaround Time: 5 days																		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/20/23	las	Felge	6/20/23	600	Shipping Date: 6/20/2023 / FEDEX / 7723 0854 5625
- 1 , 4.	' '			-6/21/23	11:30	
10						Received by Laboratory: (Signature, Date, Time) & condition 6/U/73 Custody
, in the second				2		11:30 Seals Tustoes

Gilbane Federal

COC# 062023AIRE



Project Name: Hunters Point Shipyard, Parcel E RA Phase 2	Laboratory: EUROFINS BUILT ENVIRON	MENT TESTING ANALYTICS, ASHLAND, VA	Event: Parcel E Phase 2 Air
Project Number: J310000400	POC:	10 PT 10 NO.	Monitoring
NBS Code: J310000400-016	Ship to: 10329 Stony Run Lane, Ashland,	VA 23005	
Comments:	Mn Cu	Code Matrix A Air Code Container/Preservative 1 1x Envelope, None	Page 2 of 4
Equipment:	Analytical Test Meth. CAAIR - Air PM10 N0500 - Air TSP SW6010B - Air Pb Mn		
Event: Parcel E Phase 2 Air Monitoring	1 1 1		
Sample ID Matrix Date Time	np t.	Location ID Sample Depth (ft b	
1 PM032123-34 A 06/14/2023 0634	x	AMSE1 N1 0.00 0.	.00 1 VOLUME (M3):
2 TSP032123-35 A 06/14/2023 0634	x x	AMSE1 N1 0.00 0.	.00 1 VOLUME (M3):
3 PM032123-36 A 06/14/2023 06 26	x	AMSE2 N1 0.00 0.	.00 1 VOLUME (M3):
4 TSP032123-37 A 06/14/2023 0626	x x	AMSE2 N1 0.00 0.	.00 1 VOLUME (M3):
Furnaround Time: 5 days			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/20/23	las	Fed Go	6/20/23	1600	Shipping Date: 6/20/2023 / FEDEX / 7723 0854 5625
				6/21/23	11:30	
						Received by Laboratory: (Signature, Date, Time) & condition 6/21/13 Custody
						11:30 Seals Intact

Gilbane Federal

COC# 062023AIRE



Pro	ject Name: Hunters Point Sh	ipyard, I	Parcel E RA P	hase 2		Labo	rator	y: EU	ROFIN	IS BU	ILT EN	IVIRC	NMENT TESTING ANAL	YTICS, ASH	ILAND,	VA		rcel E Phase 2 Air
Pro	ject Number: J310000400					POC	:										Monitorin	g
WE	S Code: J310000400-016		10.00	NH.	17.7	Ship	to: 1	0329	Stony	Run L	ane, A	shlan	d, VA 23005	1 4 2				
Co	mments:		5	÷									Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	ve	No			Page 3 of 4
Eqı	uipment:				 Analytical Test Method	- Air PM	ir TSP	SW6010B - Air PB Min Cu										
	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	PM032123-38	А	06/15/2023	0631		Х							AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP032123-39	А	06/15/2023	0631			x >	<					AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM032123-40	А	06/15/2023	0623		Х							AMSE2	N1	0.00	0.00	1	VOLUME (M3):
•	TSP032223-01	A	06/15/2023	0623			x is	$\overline{}$		_	-	_	AMSE2	N1	0.00	0.00		VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/2423	1600	Rd(x	6/20/23	1600	Shipping Date: 6/20/2023 / FEDEX / 7723 0854 5625
7	, ,			6/21/23	11:30	
						Received by Laboratory: (Signature, Date, Time) & condition 6/U/13 Cessody
			4			11:30 Seuls Intact

Gilbane Federal

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

COC# 062023AIRE



			**			1												AN ABOVE DISLIGHTS	MAL COMPANY
Pro	ject Name: Hunters Point Sh	ipyard, l	Parcel E RA P	hase 2		Lab	orato	ry: El	JROFII	NS BI	JILT E	ENVIE	RONM	ENT TESTING ANAL	YTICS, ASH	ILAND, '	VA		arcel E Phase 2 Air
Pro.	ject Number: J310000400			(deep	-	POC	C:									B. C.	100	Monitor	ing
WB	S Code: J310000400-016			THE STATE OF	The state of	Ship	o to:	10329	Stony	Run	Lane,	Ashl	and, V	A 23005			The state		
Con	nments:			÷.										Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	е				Page 4 of 4
Equ	ipment:	:#3	2 ,.		I I Test Method	Air PM10	ir TSP	- Air Pb Mn Cu											
				e .	Analytical	- 1	N0500 - A	SW6010B						ì					
	Event: Parcel E Phase 2 Air N	Monitorin	g			1	1	1											
				77,	Samp										Sample	Depth	(ft bgs)		
	Sample ID	Matrix	Date	Time	Init.					31				Location ID	Туре	Top -	Bottom	Cooler	Comments
1	PM032223-02	Α	06/15/2023	1415		Х								AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP032223-03	Α	06/15/2023	1415			Х	X						AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM032223-04	А	06/15/2023	1407		Х								AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP032223-05	Α	06/15/2023	1407			Х	x			\Box			AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/20/23	1600	Res (x	6/24/23	1600	Shipping Date: 6/20/2023 / FEDEX / 7723 0854 5625
				6/21/23	11:30	
						Received by Laboratory: (Signature, Date, Time) & condition
						11:30 Seals Intact

Turnaround Time: 5 days





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	PM032123-30	Α	06/13/2023	0635	VOLUME (M3): 1755.48
2	TSP032123-31	А	06/13/2023	0635	VOLUME (M3): 1657.01
3	PM032123-32	Α	06/13/2023	0628	VOLUME (M3): 1787.09
4	TSP032123-33	А	06/13/2023	0628	VOLUME (M3): 1777.00
5	PM032123-34	Α	06/14/2023	0634	VOLUME (M3): 1749.47
6	TSP032123-35	Α	06/14/2023	0634	VOLUME (M3): 1653.17
7	PM032123-36	А	06/14/2023	0626	VOLUME (M3): 1770.87
8	TSP032123-37	Α	06/14/2023	0626	VOLUME (M3): 1765.83
9	PM032123-38	А	06/15/2023	0631	VOLUME (M3): 989.29
10	TSP032123-39	А	06/15/2023	0631	VOLUME (M3): 936.88
11	PM032123-40	Α	06/15/2023	0623	VOLUME (M3): 1767.33
12	TSP032223-01	Α	06/15/2023	0623	VOLUME (M3): 1766.38
13	PM032223-02	А	06/15/2023	1415	VOLUME (M3): 560.88
14	TSP032223-03	Α	06/15/2023	1415	VOLUME (M3): 532.38
15	PM032223-04	Α	06/15/2023	1407	VOLUME (M3): 571.13
16	TSP032223-05	Α	06/15/2023	1407	VOLUME (M3): 567.98

Sample ID	Cubic Meter	Volume (L)
PM032123-30	1755.48	1755480
TSP032123-31	1657.01	1657010
PM032123-32	1787.09	1787090
TSP032123-33	1777	1777000
PM032123-34	1749.47	1749470
TSP032123-35	1653.17	1653170
PM032123-36	1770.87	1770870
TSP032123-37	1765.83	1765830
PM032123-38	989.29	989290
TSP032123-39	936.88	936880
PM032123-40	1767.33	1767330
TSP032223-01	1766.38	1766380
PM032223-02	560.88	560880
TSP032223-03	532.38	532380
PM032223-04	571.13	571130
TSP032223-05	567.98	567980
		0
		0
		0



Level 2 QA/QC Summary Report

Work Order #: B172035 Report Date: 6/26/2023

Batch ID:ICP230622AAnalysis Date:6/23/2023Media::8X10PW GFFPreparation Date6/22/2023

Blank Spike Results

Percent Recovery

Parameter	LCS	LCSD	Acceptance	RPD	Limit
Copper	91	88	75-125	2.0	25
Lead	104	100	75-125	3.0	25
Manganese	88	85	75-125	3.0	25
	Parameter Copper Lead Manganese	Copper 91 Lead 104	Copper 91 88 Lead 104 100	Copper 91 88 75-125 Lead 104 100 75-125	Copper 91 88 75-125 2.0 Lead 104 100 75-125 3.0

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

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

AIHA LAP, LLC Accreditation ID 100531

July 5, 2023

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

Laboratory Workorder ID: B179013

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: June 28, 2023 Reported: July 5, 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: B179013-202307054311



Final Report

AIS-GES, LLC Customer: PARCELE1 Date Received: 06/28/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

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

Analyte			Metriou								
			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Lab ID:	D11 90 13003	Sample ID.	F IVIU32423-22	AIVISEZ			ivieula. 67	NIO FINEWEIGH	LD GLASS	Sample Date.	0/20/2023 0.29.00 AW
Lab ID:	B179013003	Sample ID:	PM032423-22	AMSE2			Media: 8>	K10 PREWEIGH	ED GLASS	Sample Date:	6/20/2023 6:29:00 AM
Mangane	ese		40 CFR Part 50	Appendix G	06/30/23	1609810 L	98 ug			< 98 ug	< 0.061 ug/M3
Lead			40 CFR Part 50	Appendix G	06/30/23	1609810 L	14 ug			28.1 ug	0.017 ug/M3
Copper			40 CFR Part 50	Appendix G	06/30/23	1609810 L	98 ug			794 ug	0.493 ug/M3
Total Sus	spended Partic	ulates	40CFR50 App.B		06/29/23	1609810 L	1000 ug			128000 ug	79 ug/M3
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Lub ID.	D170010002	Campio ib.	101 002 120 21	/ WIGE !			Would. 67	(1011KEWEIGH	22 02/100	campio Bato.	0/20/2020 0.00.00 / tim
Lab ID:	B179013002	Sample ID:	TSP032423-21	AMSE1			Media: 8>	K10 PREWEIGH	ED GLASS	Sample Date:	6/20/2023 6:39:00 AM
PM10 Pa	articulates		40CFR50 App.J		06/29/23	1704110 L	1000 ug			71600 ug	42 ug/M3
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Lab ID.	D170010001	Campie 15.	1 WOOZ-120 20	TIVIOLI			Wicala. 07	(10 1 KEWEIGH	LD GL/100	Campie Bate.	0/20/2020 0.00.00 / NVI
Lab ID:	B179013001	Sample ID:	PM032423-20	AMSE1			Media: 8)	K10 PREWEIGH	ED GLASS	Sample Date:	6/20/2023 6:39:00 AM



Lab ID:	B179013004	Sample ID:	TSP032423-23	AMSE2			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	6/20/2023 6:29:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.B		06/29/23	1717070 L	1000 ug			85400 ug	50 ug/M3
Copper			40 CFR Part 50	Appendix G	06/30/23	1717070 L	98 ug			248 ug	0.144 ug/M3
Lead			40 CFR Part 50	Appendix G	06/30/23	1717070 L	14 ug			18.6 ug	0.011 ug/M3
Mangane	ese		40 CFR Part 50	Appendix G	06/30/23	1717070 L	98 ug			< 98 ug	< 0.057 ug/M3
Lab ID:	B179013005	Sample ID:	PM032223-24	AMSE1			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	6/21/2023 6:33:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		06/29/23	1766380 L	1000 ug			48500 ug	27 ug/M3
Lab ID:	B179013006	Sample ID:	TSP032223-25	AMSE1			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	6/21/2023 6:33:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partice	ulates	40CFR50 App.B		06/29/23	1670950 L	1000 ug			94300 ug	56 ug/M3
Copper			40 CFR Part 50	Appendix G	06/30/23	1670950 L	98 ug			1110 ug	0.663 ug/M3
Lead			40 CFR Part 50	Appendix G	06/30/23	1670950 L	14 ug			21.1 ug	0.013 ug/M3
Mangane	ese		40 CFR Part 50	Appendix G	06/30/23	1670950 L	98 ug			< 98 ug	< 0.059 ug/M3
Lab ID:	B179013007	Sample ID:	PM032223-26	AMSE2			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	6/21/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration



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

	•										
Lab ID:	B179013007	Sample ID:	PM032223-26	AMSE2			Media: 8X	(10 PREWEIGH	IED GLASS	Sample Date:	6/21/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.J		06/29/23	1734330 L	1000 ug			30500 ug	18 ug/M3
Lab ID:	B179013008	Sample ID:	TSP032223-27	AMSE2			Media: 8X	(10 PREWEIGH	IED GLASS	Sample Date:	6/21/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	06/29/23	1733560 L	1000 ug			61000 ug	35 ug/M3
Copper			40 CFR Part 50	Appendix G	06/30/23	1733560 L	98 ug			267 ug	0.154 ug/M3
Lead			40 CFR Part 50	Appendix G	06/30/23	1733560 L	14 ug			< 14 ug	< 0.008 ug/M3
Mangan	iese		40 CFR Part 50	Appendix G	06/30/23	1733560 L	98 ug			< 98 ug	< 0.057 ug/M3
Lab ID:	B179013009	Sample ID:	PM032223-28	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/22/2023 6:33:00 AM
Analyte	1		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.J		06/29/23	1766810 L	1000 ug			32400 ug	18 ug/M3
Lab ID:	B179013010	Sample ID:	TSP032223-29	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/22/2023 6:33:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E		06/29/23	1671590 L	1000 ug			70400 ug	42 ug/M3
Copper			40 CFR Part 50	Appendix G	06/30/23	1671590 L	98 ug			955 ug	0.572 ug/M3
Lead			40 CFR Part 50	Appendix G	06/30/23	1671590 L	14 ug			15.2 ug	0.009 ug/M3

Report ID:: B179013-202307054311 Analysis Report Section - Page 4



Lab ID: B179013010	Sample ID:	TSP032223-29	AMSE1			Media: 8	8X10 PREWE	IGHED GLASS	Sample Date:	6/22/2023 6:33:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	l Front	Rear	Total	Concentration
Manganese		40 CFR Part 50	Appendix G	06/30/23	1671590 L	98 ug			< 98 ug	< 0.059 ug/M3
Lab ID: B179013011	Sample ID:	PM032223-30	AMSE2			Media: 8	8X10 PREWE	EIGHED GLASS	Sample Date:	6/22/2023 6:26:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	l Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/29/23	1771060 L	1000 ug			23200 ug	13 ug/M3
Lab ID: B179013012	Sample ID:	TSP032423-01	AMSE2			Media: 8	8X10 PREWE	EIGHED GLASS	Sample Date:	6/22/2023 6:26:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	l Front	Rear	Total	Concentration
Analyte Total Suspended Partic	culates	Method 40CFR50 App.E	3	•	Volume 1754750 L		•	Rear	Total 46300 ug	Concentration 26 ug/M3
	culates			Date 06/29/23		Limit	•	Rear		
Total Suspended Partic	culates	40CFR50 App.E	Appendix G	Date 06/29/23 06/30/23	1754750 L	Limit 1000 ug	•	Rear	46300 ug	26 ug/M3
Total Suspended Partic	culates	40CFR50 App.E 40 CFR Part 50	Appendix G Appendix G	06/29/23 06/30/23 06/30/23	1754750 L 1754750 L	1000 ug 98 ug	•	Rear	46300 ug 113 ug	26 ug/M3 0.065 ug/M3
Total Suspended Partic Copper Lead Manganese	culates Sample ID:	40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G	06/29/23 06/30/23 06/30/23	1754750 L 1754750 L 1754750 L	1000 ug 98 ug 14 ug 98 ug	Front	Rear	46300 ug 113 ug < 14 ug	26 ug/M3 0.065 ug/M3 < 0.008 ug/M3
Total Suspended Partic Copper Lead Manganese		40 CFR Part 50 40 CFR Part 50 40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G Appendix G	06/29/23 06/30/23 06/30/23	1754750 L 1754750 L 1754750 L	1000 ug 98 ug 14 ug 98 ug	Front 8X10 PREWE		46300 ug 113 ug < 14 ug < 98 ug	26 ug/M3 0.065 ug/M3 < 0.008 ug/M3 < 0.056 ug/M3

Lab ID: B179013014	Sample ID:	TSP032423-03	AMSE1			Media: 8	3X10 PREWEIGH	ED GLASS	Sample Date:	6/22/2023 2:35:00 PM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Particu	ulates	40CFR50 App.B	}	06/29/23	592960 L	1000 ug			25100 ug	42 ug/M3
Copper		40 CFR Part 50	Appendix G	06/30/23	592960 L	98 ug			520 ug	0.877 ug/M3
Lead		40 CFR Part 50	Appendix G	06/30/23	592960 L	14 ug			< 14 ug	< 0.024 ug/M3
Manganese		40 CFR Part 50	Appendix G	06/30/23	592960 L	98 ug			< 98 ug	< 0.165 ug/M3
Lab ID: B179013015	Sample ID:	PM032423-04	AMSE2			Media: 8	3X10 PREWEIGH	ED GLASS	Sample Date:	6/22/2023 2:22:00 PM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		06/29/23	=					
		1001 100 / tpp.0		00/29/23	580620 L	1000 ug			10500 ug	18 ug/M3
Lab ID: B179013016	Sample ID:	TSP032423-05	AMSE2	00/29/23	580620 L		3X10 PREWEIGH	ED GLASS	10500 ug Sample Date:	18 ug/M3 6/22/2023 2:22:00 PM
Lab ID: B179013016 Analyte	Sample ID:			Analysis Date	Volume			ED GLASS	, ,	
		TSP032423-05	AMSE2	Analysis		Media: 8			Sample Date:	6/22/2023 2:22:00 PM
Analyte		TSP032423-05 Method	AMSE2	Analysis Date	Volume	Media: 8 Reporting Limit			Sample Date:	6/22/2023 2:22:00 PM Concentration
Analyte Total Suspended Particu		TSP032423-05 Method 40CFR50 App.B	AMSE2 Appendix G	Analysis Date 06/29/23 06/30/23	Volume 578560 L	Media: 8 Reporting Limit 1000 ug			Sample Date: Total 16700 ug	6/22/2023 2:22:00 PM Concentration 29 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:: B179013-202307054311 Analysis Report Section - Page 7

Gilbane Federal

COC # 062723AIRE



Project Name: Hunters Point Shipyard, Parcel E RA Phase	2	Lab	orato	ory: E	URO	FINS	BUI	ILT E	ENVI	ROI	NMENT TESTING ANALY	TICS, ASH	ILAND, Y	VA		arcel E Phase 2 Air
Project Number: J310000400		PO	C:									A PROPERTY.			Monitori	ng
WBS Code: J310000400-016		Shi	p to:	1032	9 Sto	ny R	un La	ane,	Ash	land	d, VA 23005					
Comments: Please return coolers to 200 Fisher Ave; San Francisco, CA 94124	To de la constant de la constant de la constant de la constant de la constant de la constant de la constant de	C		Air Pb Mn Cu		Š	(2)	1/2	3		Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 1 of 4
Equipment:	1 7	CAAIR - Air PM10		SW6010B - Air P								2		9		
Event: Parcel E Phase 2 Air Monitoring		1	1	1									T.			
Sample ID Matrix Date	Samp										Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1 PM032423-20 A 06/20/2023 0	39	X					-	1			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP032423-21 A 06/20/2023 β	539		Х	Х			61		1		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM032423-22 A 06/20/2023 D	29	X					1	J	77	2	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
	629		Х	х		\Box	П		7		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Turnaround Time: 5 days										7						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/27/23	1200	Fedex	6/27/23	1200	Shipping Date: 6/27/2023 / FEDEX / 7723 0896 7789
				6/28/23	11:20	
2						Received by Laboratory: (Signature, Date, Time) & condition 6/23/23 Costaday
						11:20 Seals Intact

Gilbane Federal

COC # 062723AIRE

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



Pro	ject Name: Hunters Point S	hipyard, l	Parcel E RA P	hase 2		Lab	orat	ory:	EURO	FINS	BUI	LTE	NVIF	105	MENT TESTING ANALY	TICS, ASH	LAND, V	VA		Parcel E Phase 2 Air
Pro	ject Number: J310000400					РО	C: S	teph	anie S	timps	on S	teph	anie.	.Stir	mson@ET.EurofinsUS.cor	n			Monitor	ing
WB	S Code: J310000400-016				THE	Shi	p to:	103	29 Sto	ny R	un La	ane,	Ashla	and	, VA 23005	1 610				
Coi	mments:	ía.			× 1					/ 8	/				Code Matrix A Air Code Container/Preservative 1 1x Envelope, None				-	Page 2 of 4
Equ	uipment:				Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu		SX	27		3		ac.					
	Event: Parcel E Phase 2 Air	Monitorin	g			1	1	1				2,0								
	Sample ID	Matrix	Date	Time	Samp Init.										Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM032223-24	Α	06/21/2023	0633		X				- /	1		\neg		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP032223-25	А	06/21/2023	0633			Х	Х		E	12	7/	7 ->		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM032223-26	А	06/21/2023	0626		Х						/	1		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP032223-27	Α	06/21/2023	1626			Х	Х					\checkmark		AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date		Shipping Date / Carrier / Airbill Number
	6/27/23	1200	Pedex	6/27/23	1200	Shipping Date: 6/27/2023 / FEDEX / 7723 0896 7789
				6/28/23	11:20	
- 4				4		Received by Laboratory: (Signature, Date, Time) & condition 2/28/23 Custody
						120 Seals Intact

Turnaround Time: 5 days

Gilbane Federal

COC#

062723AIRE



	AN ABRIC SUBJECTION CONTRACT
Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA	Event: Parcel E Phase 2 Air
POC	Monitoring
Ship to: 10329 Stony Run Lane, Ashland, VA 23005	Find Back to Michigan
Code Matrix	
A Air	Page 3 of 4
Code Container/Preservative	
	Ship to: 10329 Stony Run Lane, Ashland, VA 23005 Code Matrix A Air

	uipment:		н		est Method	Air PM10	TSP	Air Pb Mn Cu				27/	723	3		Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 3 of 4
					Analytical Test Method	CAAIR -	N0500 - Air T	SW6010B - A						\	1						
	Event: Parcel E Phase 2 Air N	Monitorin	g			1	1	1			19	-		+	-		I Cample	Danth	/ft h == 1		
	Sample ID	Matrix	Date	Time	Samp Init.					ap 0						Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM032223-28	Α	06/22/2023	0633		Х			J							AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP032223-29	Α	06/22/2023	0633			Х	X			ľ	1	1			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM032223-30	Α	06/22/2023	0626		Х						16	X	2	3	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP032423-01	Α	06/22/2023	0626			Х	Х						×		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Tur	naround Time: 5 days		The same													To and the second secon			4.11		

Relinquished by: (Signature)	 Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/27/23	1200	Fodex	6/27/23	1200	Shipping Date: 6/27/2023 / FEDEX / 7723 0896 7789
				6/28/23	11:20	
						Received by Laboratory: (Signature, Date, Time) & condition [27/23 Custody]
		19				17:20 Seuls Tutan

Gilbane Federal

COC# 062723AIRE

GES

		AN ARTE MEAN THAT CORPORED
Project Name: Hunters Point Shipyard, Parcel E RA Phase 2		Event: Parcel E Phase 2 Air
Project Number: J310000400	POC	Monitoring
WBS Code: J310000400-016	Ship to: 10329 Stony Run Lane, Ashland, VA 23005	

Cor	nments:				Method			An Cu	& A	27	/			Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 4 of 4	
Equ	lipment:				Analytical Test Me	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn				\								
	Event: Parcel E Phase 2 Air I	Monitorin	g			1	1	1												
			14.4		Samp	- 80									Sample	Depth	(ft bgs)			-
	Sample ID	Matrix	Date	Time	Init.					100				Location ID	Туре	Top -	Bottom	Cooler	Comments	
1	PM032423-02	Α	06/22/2023	1435	CA	Х				-	ſ	1		AMSE1	N1	0.00	0.00	1	VOLUME (M3):	
2	TSP032423-03	Α	06/22/2023	1435	CA		Х	Х		6	12	,/_		AMSE1	N1	0.00	0.00	1	VOLUME (M3):	
3	PM032423-04	А	06/22/2023	1422	CA	Х				9	2	10	3	AMSE2	N1	0.00	0.00	1	VOLUME (M3):	
4	TSP032423-05	А	06/22/2023	1422	CA		Х	X		\top				AMSE2	N1	0.00	0.00	1	VOLUME (M3):	
Γur	naround Time: 5 days			The same of the sa	1100	1							111							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	6/27/23	1200	Fedex	6/27/23	1200	Shipping Date: 6/27/2023 / FEDEX / 7723 0896 7789
				6/28/23	11:20	
						Received by Laboratory: (Signature, Date, Time) & condition 6/23/23 Custodly
	,			W. A.		6/28/23 Custody 11:20 Scals Intact





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

Project Number: J310000400

WBS Code: J310000400-016

					CONTRACTOR OF THE PARTY OF THE
	Sample ID	Matrix	Date	Time	Comments
1	PM032423-20	Α	06/20/2023	0639	VOLUME (M3): 1704.11
2	TSP032423-21	. А	06/20/2023	0639	VOLUME (M3): 1609.81
3	PM032423-22	Α	06/20/2023	0629	VOLUME (M3): 1719.18
4	TSP032423-23	Α	06/20/2023	0629	VOLUME (M3): 1717.07
5	PM032223-24	Α	06/21/2023	0633	VOLUME (M3): 1766.38
6	TSP032223-25	Α	06/21/2023	0633	VOLUME (M3): 1670.95
7	PM032223-26	Α	06/21/2023	0626	VOLUME (M3): 1734.33
8	TSP032223-27	Α	06/21/2023	0626	VOLUME (M3): 1733.56
9	PM032223-28	Α	06/22/2023	0633	VOLUME (M3): 1766.81
10	TSP032223-29	Α	06/22/2023	0633	VOLUME (M3): 1671.59
11	PM032223-30	Α	06/22/2023	0626	VOLUME (M3): 1771.06
12	TSP032423-01	Α	06/22/2023	0626	VOLUME (M3): 1754.75
13	PM032423-02	Α	06/22/2023	1435	VOLUME (M3): 592.89
14	TSP032423-03	Α	06/22/2023	1435	VOLUME (M3): 592.96
15	PM032423-04	Α	06/22/2023	1422	VOLUME (M3): 580.62
16	TSP032423-05	Α	06/22/2023	1422	VOLUME (M3): 578.56

Sample ID	Cubic Meter	Volume (L)
PM032423-20	1704.11	1704110
TSP032423-21	1609.81	1609810
PM032423-22	1719.18	1719180
TSP032423-23	1717.07	1717070
PM032223-24	1766.38	1766380
TSP032223-25	1670.95	1670950
PM032223-26	1734.33	1734330
TSP032223-27	1733.56	1733560
PM032223-28	1766.81	1766810
TSP032223-29	1671.59	1671590
PM032223-30	1771.06	1771060
TSP032423-01	1754.75	1754750
PM032423-02	592.89	592890
TSP032423-03	592.96	592960
PM032423-04	580.62	580620
TSP032423-05	578.56	578560
		0
		0
		0



Level 2 QA/QC Summary Report

Work Order #: B179013 Report Date: 7/5/2023

Batch ID:ICP230629BAnalysis Date:6/30/2023Media::8X10PW GFFPreparation Date6/29/2023

Blank Spike Results

Percent Recovery

QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP23	BLKSPK	Copper	95	93	75-125	2.0	25
LCS ICP23	BLKSPK	Lead	98	98	75-125	0.0	25
LCS ICP23	BLKSPK	Manganese	91	90	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

July 13, 2023

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

Laboratory Workorder ID: B187095

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: July 6, 2023 Reported: July 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: B187095-202307132715



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: 07/06/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

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

											PI
Lab ID:	B187095001	Sample ID:	PM031623-02	AMSE1			Media: 8)	(10 PREWEIGI	HED GLASS	Sample Date:	6/27/2023 6:32:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.	1	07/07/23	1780580 L	1000 ug			18000 ug	10 ug/M3
Lab ID:	B187095002	Sample ID:	TSP031623-03	AMSE1			Media: 8>	(10 PREWEIGI	HED GLASS	Sample Date:	6/27/2023 6:32:00 AM
					Analysis		Reporting				
Analyte			Method		Date	Volume	Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	07/07/23	1683710 L	1000 ug			37700 ug	22 ug/M3
Copper			40 CFR Part 50	Appendix G	07/12/23	1683710 L	98 ug			1280 ug	0.761 ug/M3
Lead			40 CFR Part 50	Appendix G	07/12/23	1683710 L	14 ug			20.2 ug	0.012 ug/M3
Mangan	ese		40 CFR Part 50	Appendix G	07/12/23	1683710 L	98 ug			< 98 ug	< 0.058 ug/M3
Lab ID:	B187095003	Sample ID:	PM031623-04	AMSE2			Media: 8)	(10 PREWEIGI	HED GLASS	Sample Date:	6/27/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.		07/07/23	1739620 L	1000 ug			12500 ug	7 ug/M3



Final Report

				_								
Lab ID:	B187095004	Sample ID:	TSP031623-05	AMSE2			Media:	8X10	0 PREWEIGH	ED GLASS	Sample Date:	6/27/2023 6:26:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	g	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.B		07/07/23	1738190 L	1000 ug				26900 ug	15 ug/M3
Copper			40 CFR Part 50	Appendix G	07/12/23	1738190 L	98 ug				113 ug	0.065 ug/M3
Lead			40 CFR Part 50	Appendix G	07/12/23	1738190 L	14 ug				< 14 ug	< 0.008 ug/M3
Mangane	ese		40 CFR Part 50	Appendix G	07/12/23	1738190 L	98 ug				< 98 ug	< 0.056 ug/M3
Lab ID:	B187095005	Sample ID:	PM031623-06	AMSE1			Media:	8X10	0 PREWEIGH	ED GLASS	Sample Date:	6/28/2023 6:28:00 AM
Analyte			Method		Analysis Date	Volume	Reportino Limit	g	Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		07/07/23	1763360 L	1000 ug				21500 ug	12 ug/M3
Lab ID:	B187095006	Sample ID:	TSP031623-07	AMSE1			Media:	8X10	0 PREWEIGH	ED GLASS	Sample Date:	6/28/2023 6:28:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	g	Front	Rear	Total	Concentration
Total Sus	spended Partic	ulates	40CFR50 App.B		07/07/23	1667680 L	1000 ug				50600 ug	30 ug/M3
Copper			40 CFR Part 50	Appendix G	07/12/23	1667680 L	98 ug				759 ug	0.455 ug/M3
Lead			40 CFR Part 50	Appendix G	07/12/23	1667680 L	14 ug				19.6 ug	0.012 ug/M3
Mangane	ese		40 CFR Part 50	Appendix G	07/12/23	1667680 L	98 ug				< 98 ug	< 0.059 ug/M3
Lab ID:	B187095007	Sample ID:	PM031623-08	AMSE2			Media:	8X10	0 PREWEIGH	ED GLASS	Sample Date:	6/28/2023 6:21:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	g	Front	Rear	Total	Concentration

Report ID:: B187095-202307132715



Final Report

Lab ID:	B187095007	Sample ID:	PM031623-08	AMSE2			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/28/2023 6:21:00 AM
					Analysis		Reporting Limit	_	_		
Analyte			Method		Date	Volume	Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		07/07/23	1728970 L	1000 ug			8700 ug	5 ug/M3
Lab ID:	B187095008	Sample ID:	TSP031623-09	AMSE2			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/28/2023 6:21:00 AM
A l			No at la a al		Analysis Date	Valores	Reporting Limit	F===+	Deen	Tatal	Composition
Analyte)		Method		Date	Volume	Lillin	Front	Rear	Total	Concentration
Total Su	uspended Partic	ulates	40CFR50 App.E		07/07/23	1742260 L	1000 ug			17100 ug	10 ug/M3
Copper			40 CFR Part 50	Appendix G	07/12/23	1742260 L	98 ug			101 ug	0.058 ug/M3
Lead			40 CFR Part 50	Appendix G	07/12/23	1742260 L	14 ug			< 14 ug	< 0.008 ug/M3
Mangar	nese		40 CFR Part 50	Appendix G	07/12/23	1742260 L	98 ug			< 98 ug	< 0.056 ug/M3
Lab ID:	B187095009	Sample ID:	PM031623-10	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/29/2023 6:43:00 AM
					Analysis Date		Reporting Limit		_		
Analyte)		Method		Date	Volume	LIIIII	Front	Rear	Total	Concentration
PM10 P	Particulates		40CFR50 App.J		07/07/23	1787950 L	1000 ug			19800 ug	11 ug/M3
										_	
Lab ID:	B187095010	Sample ID:	TSP031623-11	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	6/29/2023 6:43:00 AM
A I1 -			Madaad		Analysis Date	Walana	Reporting Limit	F	D	T-4-1	O-manufaction
Analyte	<u> </u>		Method		Date	Volume	LIIIII	Front	Rear	Total	Concentration
Total Su	uspended Partic	ulates	40CFR50 App.E		07/07/23	1691130 L	1000 ug			51300 ug	30 ug/M3
Copper			40 CFR Part 50	Appendix G	07/12/23	1691130 L	98 ug			1010 ug	0.596 ug/M3
Lead			40 CFR Part 50	Appendix G	07/12/23	1691130 L	14 ug			24.9 ug	0.015 ug/M3

Report ID:: B187095-202307132715

Analysis Report Section - Page 4



Lab ID: B187095010	Sample ID:	TSP031623-11	AMSE1			Media: 8X1	10 PREWEIGH	HED GLASS	Sample Date:	6/29/2023 6:43:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Manganese		40 CFR Part 50	Appendix G	07/12/23	1691130 L	98 ug			< 98 ug	< 0.058 ug/M3
Lab ID: B187095011	Sample ID:	PM031623-12	AMSE2			Media: 8X1	10 PREWEIGH	HED GLASS	Sample Date:	6/29/2023 6:36:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		07/07/23	1752540 L	1000 ug			6700 ug	4 ug/M3
Lab ID: B187095012	Sample ID:	TSP031623-13	AMSE2			Media: 8X1	10 PREWEIGH	HED GLASS	Sample Date:	6/29/2023 6:36:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Analyte Total Suspended Particu	ulates	Method 40CFR50 App.B			Volume 1754190 L		Front	Rear	Total	Concentration 10 ug/M3
	ulates			Date 07/07/23		Limit	Front	Rear		
Total Suspended Particu	ulates	40CFR50 App.B	Appendix G	07/07/23 07/12/23	1754190 L	Limit 1000 ug	Front	Rear	17100 ug	10 ug/M3
Total Suspended Particu	ulates	40CFR50 App.B 40 CFR Part 50	Appendix G Appendix G	07/07/23 07/12/23 07/12/23	1754190 L 1754190 L	1000 ug 98 ug	Front	Rear	17100 ug 186 ug	10 ug/M3 0.106 ug/M3
Total Suspended Partice Copper Lead	ulates Sample ID:	40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G	07/07/23 07/12/23 07/12/23	1754190 L 1754190 L 1754190 L	1000 ug 98 ug 14 ug 98 ug	Front		17100 ug 186 ug < 14 ug	10 ug/M3 0.106 ug/M3 < 0.008 ug/M3
Total Suspended Partice Copper Lead Manganese		40 CFR Part 50 40 CFR Part 50 40 CFR Part 50 40 CFR Part 50	Appendix G Appendix G Appendix G	07/07/23 07/12/23 07/12/23	1754190 L 1754190 L 1754190 L	1000 ug 98 ug 14 ug 98 ug			17100 ug 186 ug < 14 ug < 98 ug	10 ug/M3 0.106 ug/M3 < 0.008 ug/M3 < 0.056 ug/M3

Lab ID: B187095014	Sample ID:	TSP031623-15	AMSE1				Media:	8X10	PREWEIGH	ED GLASS	Sample Date:	6/29/2023 12:26:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	g	Front	Rear	Total	Concentration
Total Suspended Partic	ulates	40CFR50 App.E	3	07/07/23	397940	L	1000 ug				20300 ug	51 ug/M3
Copper		40 CFR Part 50	Appendix G	07/12/23	397940	L	98 ug				520 ug	1.31 ug/M3
Lead		40 CFR Part 50	Appendix G	07/12/23	397940	L	14 ug				< 14 ug	< 0.035 ug/M3
Manganese		40 CFR Part 50	Appendix G	07/12/23	397940	L	98 ug				< 98 ug	< 0.246 ug/M3
Lab ID: B187095015	Sample ID:	PM031623-16	AMSE2				Media:	8X10	PREWEIGH	ED GLASS	Sample Date:	6/29/2023 12:13:00 PM
Δnalvte		Method		Analysis Date	Volume		Reporting Limit	g	Front	Rear	Total	Concentration
Analyte		Method		Date	Volume		Limit	g	Front	Rear	Total	Concentration
Analyte PM10 Particulates		Method 40CFR50 App.J		•	Volume 406480			g	Front	Rear	Total 4600 ug	Concentration 11 ug/M3
	Sample ID:		AMSE2	Date			Limit 1000 ug		Front PREWEIGH			
PM10 Particulates	Sample ID:	40CFR50 App.J		Date			Limit 1000 ug				4600 ug	11 ug/M3
PM10 Particulates	Sample ID:	40CFR50 App.J		Date		L	Limit 1000 ug	8X10			4600 ug	11 ug/M3
PM10 Particulates	Sample ID:	40CFR50 App.J		07/07/23		L	1000 ug Media:	8X10			4600 ug	11 ug/M3
PM10 Particulates Lab ID: B187095016		40CFR50 App.J TSP031623-17	AMSE2	07/07/23 Analysis	406480	L	Limit 1000 ug Media:	8X10	PREWEIGH	ED GLASS	4600 ug Sample Date:	11 ug/M3 6/29/2023 12:13:00 PM
PM10 Particulates Lab ID: B187095016 Analyte		40CFR50 App.J TSP031623-17 Method	AMSE2	07/07/23 Analysis Date 07/07/23	406480 Volume	L	Limit 1000 ug Media: Reporting Limit	8X10	PREWEIGH	ED GLASS	4600 ug Sample Date:	11 ug/M3 6/29/2023 12:13:00 PM Concentration
PM10 Particulates Lab ID: B187095016 Analyte Total Suspended Particulates		40CFR50 App.J TSP031623-17 Method 40CFR50 App.E	AMSE2 Appendix G	Date 07/07/23 Analysis Date 07/07/23 07/12/23	406480 Volume 404000	L L	Limit 1000 ug Media: Reporting Limit 1000 ug	8X10	PREWEIGH	ED GLASS	4600 ug Sample Date: Total 8700 ug	11 ug/M3 6/29/2023 12:13:00 PM Concentration 22 ug/M3
PM10 Particulates Lab ID: B187095016 Analyte Total Suspended Particulates		40CFR50 App.J TSP031623-17 Method 40CFR50 App.E 40 CFR Part 50	AMSE2 Appendix G Appendix G	07/07/23 Analysis Date 07/07/23 07/07/23 07/12/23	406480 Volume 404000 404000	L L	Limit 1000 ug Media: Reporting Limit 1000 ug 98 ug	8X10	PREWEIGH	ED GLASS	4600 ug Sample Date: Total 8700 ug 127 ug	11 ug/M3 6/29/2023 12:13:00 PM Concentration 22 ug/M3 0.314 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:: B187095-202307132715 Analysis Report Section - Page 7

Gilbane Federal

COC# 070523AIRE



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	

Con	nments:	¥		-	Method			Mn Cu	1	X.	1/2	3			Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	е			,	Page 1 of 4
iqu	ipment:				Analytical Test M	- Air PM	N0500 - Air TSP	SW6010B - Air Pb	E					\			=			
	Event: Parcel E Phase 2 A	ir Monitorin	g			1	1	1												
					Samp											Sample				"Near Blick
	Sample ID	Matrix	Date	Time	Init.										Location ID	Туре	Top - I	Bottom	Cooler	Comments
1	PM031623-02	Α	06/27/2023	0632		Х					1	1			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031623-03	А	06/27/2023	0632			Х	Х		10	2/9	1/2	7		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031623-04	А	06/27/2023	0626		X				7	X	16	5	\neg	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
	TSP031623-05	А	06/27/2023	0626			Х	х	\neg					\neg	AMSE2	N1	0.00	0.00		VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	7/5/23	1300	Fedex	7/5/23	5300	Shipping Date: 7/5/2023 / FEDEX / 7724 3175 0219
				7/6/23	13:45	
						Paceived by Laboratory: (Signature, Date, Time) & condition 7/6/23 Custowy
						13:45 Seals Infact

Gilbane Federal

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

070523AIRE

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2							Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, N											/Δ	Event: P	Parcel E Phase 2 Air
	ject Number: J310000400	pyaru, i	arcere INA	nase z		PO		Ji y . L	ONO	1140	DOI		4011	TOI	AMENT LEGITIO MAKETT	100, 701	ILAND,		Monitor	
	S Code: J310000400-016				7.45	_		1032	9 Sto	ny R	un La	ane, /	Ashl	and	, VA 23005					
Cor	mments:							1		F		Т	T	Т	Code Matrix					
001	milents.						- 1			١,					A Air					Page 2 of 4
								1	4	X C					Code Container/Preservative	man pr				
										TY.	12	5			1 1x Envelope, None					
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					ethod			Mn Cu												
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Equ	uipment:				Test	Air PM10	TSP	Air Pb												
					g	- Air	.⊨	3.1			Ш		1							
					Analyti	CAAIR	N0500	SW6010B			Ш		- [$\backslash $						
					Ā	S	ĝ	S						1						
	Event: Parcel E Phase 2 Air M	onitorin	g			1	1	1												
	The state of the s				Samp					18						Sample		(ft bgs)		
	Sample ID	Matrix	Date	Time	Init.									-	Location ID	Туре			Cooler	Comments
1	PM031623-06	Α	06/28/2023	0628		Х		`							AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031623-07	Α	06/28/2023	0628			Х	Х			H	51-	2.3		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031623-08	Α	06/28/2023	9621		X						4	\leq		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP031623-09	Α	06/28/2023	0621			Х	Х				10		1	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Tur	naround Time: 5 days						-													

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	7/5/23	1300	Fodex	7/5/23	(300	Shipping Date: 7/5/2023 / FEDEX / 7724 3175 0219
				7/6/13	13:45	
						Received by Laboratory: (Signature, Date, Time) & condition 7/6/13 USTUY
	7					13:45 Stub Judock

Equipment:

Gilbane Federal

COC#

070523AIRE

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

		AN AGING PICARTHIA, COMPANY	
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		
	1 1x Envelope, None		

S

Analytical Test Method SW6010B - Air Pb Mn CAAIR - Air PM10 N0500 - Air TSP 1 1 Event: Parcel E Phase 2 Air Monitoring Sample Depth (ft bgs) Samp Location ID Top - Bottom Cooler Comments Sample ID Matrix Date Time Init. Type AMSE1 VOLUME (M3): PM031623-10 0643 N1 0.00 0.00 1 1 Α 06/29/2023 0643 AMSE1 0.00 0.00 1 VOLUME (M3): 2 TSP031623-11 Α 06/29/2023 Χ N₁ 0636 AMSE2 0.00 0.00 1 VOLUME (M3): 3 PM031623-12 Α 06/29/2023 N1 0636 TSP031623-13 X X AMSE2 N1 0.00 0.00 1 VOLUME (M3): Α 06/29/2023 Turnaround Time: 5 days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	7/5/23	1300	Fedex	76/23	1300	Shipping Date: 7/5/2023 / FEDEX / 7724 3175 0219
	9	1200		7/6/23	13:45	
						Received by Laboratory: (Signature, Date, Time) & condition
						7/6/13 Cestody
						13:45 Scals Intact

Gilbane Federal

COC#

070523AIRE

GES

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	

Cor	nments:				poq			Mn Cu	1	N.	5/2	3			Code Matrix A Air Code Container/Preservative 1 1x Envelope, None)		-		Page 4 of 4
≣qı	uipment:				 Analytical Test Method		N0500 - Air TSP	0B - Air Pb						\	-					
	Event: Parcel E Phase 2 Air N	Monitorin	g			1	1	1												
					Samp										e care and	Sample				
	Sample ID	Matrix	Date	Time	Init.										Location ID	Туре	Top - E	Bottom	Cooler	Comments
1	PM031623-14	Α	06/29/2023	1226		X						j	1		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP031623-15	Α	06/29/2023	1226			Х	Х			7	5	19	2	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM031623-16	А	06/29/2023	1213		Х						V	10	1	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP031623-17	Α	06/29/2023	1213			Х	Х							AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	7/5/23	1300	Fedex	7/5/23	1300	Shipping Date: 7/5/2023 / FEDEX / 7724 3175 0219
				7/6/23	13:45	
						Received by Laboratory: (Signature, Date, Time) & condition 7/6/23 Custody
						13:45 Sents Justine





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	PM031623-02	Α	06/27/2023	0632	VOLUME (M3): 1780.58
2	TSP031623-03	Α	06/27/2023	0632	VOLUME (M3): 1683.71
3	PM031623-04	Α	06/27/2023	0626	VOLUME (M3): 1739.62
4	TSP031623-05	Α	06/27/2023	0626	VOLUME (M3): 1738.19
5	PM031623-06	Α	06/28/2023	0628	VOLUME (M3): 1763.36
6	TSP031623-07	Α	06/28/2023	0628	VOLUME (M3): 1667.68
7	PM031623-08	Α	06/28/2023	0621	VOLUME (M3): 1728.97
8	TSP031623-09	Α	06/28/2023	0621	VOLUME (M3): 1742.26
9	PM031623-10	Α	06/29/2023	0643	VOLUME (M3): 1787.95
10	TSP031623-11	Α	06/29/2023	0643	VOLUME (M3): 1691.13
11	PM031623-12	Α	06/29/2023	0636	VOLUME (M3): 1752.54
12	TSP031623-13	Α	06/29/2023	0636	VOLUME (M3): 1754.19
13	PM031623-14	Α	06/29/2023	1226	VOLUME (M3): 417.08
14	TSP031623-15	Α	06/29/2023	1226	VOLUME (M3): 397.94
15	PM031623-16	Α	06/29/2023	1213	VOLUME (M3): 406.48
16	TSP031623-17	Α	06/29/2023	1213	VOLUME (M3): 404.00

Sample ID	Cubic Meter	Volume (L)
PM031623-02	1780.58	1780580
TSP031623-03	1683.71	1683710
PM031623-04	1739.62	1739620
TSP031623-05	1738.19	1738190
PM031623-06	1763.36	1763360
TSP031623-07	1667.68	1667680
PM031623-08	1728.97	1728970
TSP031623-09	1742.26	1742260
PM031623-10	1787.95	1787950
TSP031623-11	1691.13	1691130
PM031623-12	1752.54	1752540
TSP031623-13	1754.19	1754190
PM031623-14	417.08	417080
TSP031623-15	397.94	397940
PM031623-16	406.48	406480
TSP031623-17	404	404000
		0
		0
		0

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Level 2 QA/QC Summary Report

Work Order #: B187095
Report Date: 7/13/2023

Batch ID:ICP230705BAnalysis Date:7/12/2023Media::8X10PW GFFPreparation Date7/5/2023

Blank Spike Results

Percent Recovery

QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP23	BLKSPK	Copper	95	93	75-125	2.0	25
LCS ICP23	BLKSPK	Lead	109	106	75-125	1.0	25
LCS ICP23	BLKSPK	Manganese	96	96	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