

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

March 1st, 2023 through March 31st, 2023

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HUNTERS POINT NAVAL SHIPYARD

SAN FRANCISCO, CALIFORNIA

March 1st, 2023 through March 31st, 2023

DCN: GESL-0005-4332-0119

Prepared for:

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Prepared by:



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Acronyms and Abbreviations

AMSR ______ Air Monitoring Summary Report ASRC...... Artic Slope Regional Corporation Cal/OSHA California Occupational Safety and Health Administration Cfm _____ cubic feet per minute CFR _____ Code of Federal Regulations CTO _____ Contract Task Order DMCP _____ Dust Monitoring and Control Plan DTSC State of California Department of Toxic Substances Control EPA United States Environmental Protection Agency fiber/cm³ fibers per cubic centimeter Gilbane Gilbane Federal HPNS Hunters Point Naval Shipyard L/min liters per minute mg/m³ _____ 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 μg/m³ _____ 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 March 1st, 2023 through March 31st, 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, manganese, and lead in accordance with EPA Method 6010B (equivalent to IO-3.5 in the Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air [EPA, 1999])

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 fiber/cm ³	Cal/OSHA PEL				
PM10 ^a	5,000 ug/m ³	Cal/OSHA PEL				
		Basewide HPNS Level selected to				
TSP	0.5 mg/m ³	minimize overall permissible dust release				
		from sites				
Copper	1.0 mg/m ³	Cal/OSHA PEL				
Lead	0.050 mg/m ³	Cal/OSHA PEL				
Manganese	0.200 mg/m ³	Cal/OSHA PEL				
Radiological	10% of Effluent	Occupational and public air concentration				
	Concentration	limits for ROCs are published in 10 Code of				
	Values	Federal Regulations Part 20, Appendix B.				

Notes:

^a = The Cal/OSHA PEL for particulates not otherwise regulated (respiratory) is used for PM10 comparison. ug/m³ = micrograms per cubic meter

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

fiber/cm³ = fibers per cubic centimeter

HPNS = Hunters Point Naval Shipyard

mg/m³ = milligrams per cubic meter

PEL = permissible exposure limit

PM10 = particulate matter less than 10 microns in diameter

ROC = radionuclide of concern

TSP = total suspended particulates

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	4.0 Air Monitoring Data Interpretation and Action Levels
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5.0 Air Monitoring Results

Weather information (including ambient pressure and temperature data) is presented in the table included as **Attachment 1**. Meteorological data for Stations 1 and 2 were sourced from the Weather Underground (wunderground.com) station APTIM HPNS - KCASANFR1504. If the APTIM station did not have available data, the Bayview Manor - KCASANFR1775 was used.

Air Monitoring Data was collected from Station 1 in Parcel E (MSE01) and Station 2 in Parcel D-1 (MSE02) from March 1st, 2023, through March 31st, 2023, during which GES was excavating, grading and maintaining radiological screening yard pads, transporting excavated material and clean import. Samples were not collected during periods of site inactivity, rain events, and/or while site work was limited to non-earth moving tasks.

Construction and remediation activities conducted from March 1st, 2023, through March 31st, 2023, did not result in the exceedance of the established threshold criteria, as described in detail below.

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

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

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

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

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

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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), 1999. Quality Assurance Handbook for Air Pollution Measurement Systems, Volume II: Ambient Air Specific Methods.
- Gilbane Federal, 2019a. Final Remedial Action Work Plan, Parcel E Remedial Action, Phase 2, Hunters Point Naval Shipyard, San Francisco, California. October
- Gilbane Federal, 2019b. Radiological Procedure PR-RP-150 Radiological Survey and Sampling, Version 01, October 1.

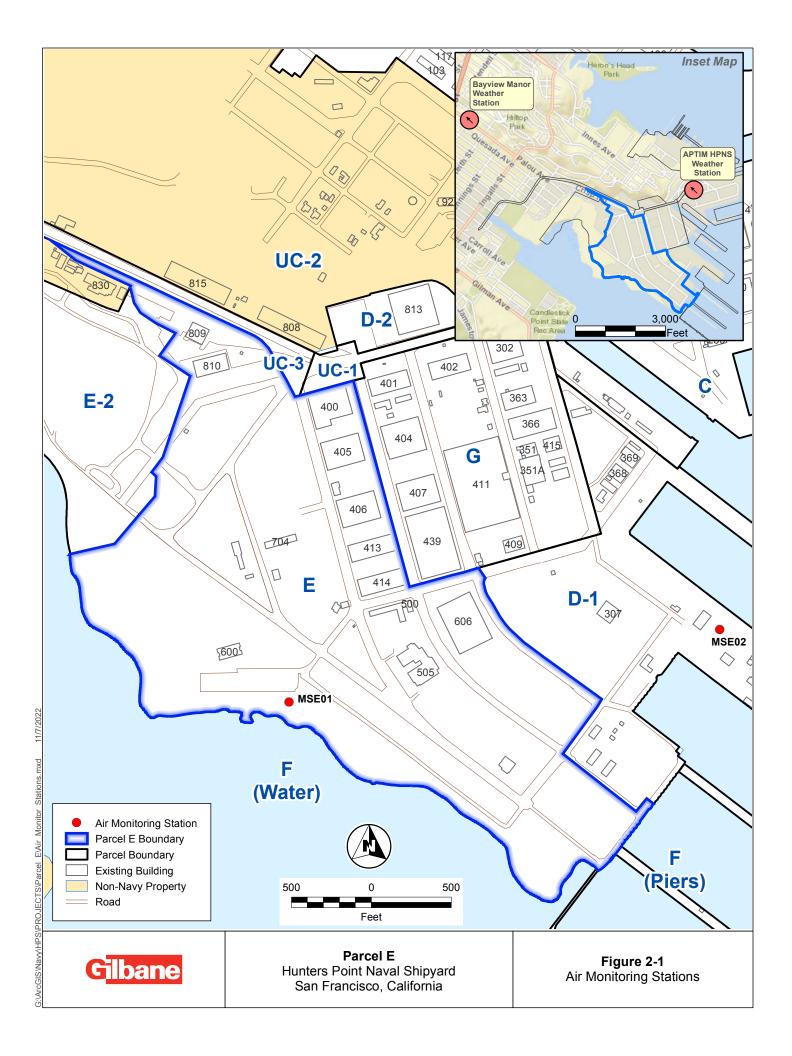
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6.0 References

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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)	Ambient Temperature (°F)	Prevalent Wind Direction
3/01/2023 ¹	30.00	48.13	NNW
3/02/2023 ¹	30.16	50.40	ESE
3/06/2023 ¹	30.16	46.81	SSE
3/07/2023 ¹	30.14	47.84	SSE
3/08/2023 ¹	30.15	47.43	SE
3/15/2023 ¹	30.00	50.55	SW
3/16/2023 ¹	30.06 50.88		SE
3/17/2023 ¹	30.08	30.08 54.66	
3/20/2023 ¹	29.79	29.79 49.83	
3/22/2023 ¹	29.99	51.65	NW
3/23/2023 ¹	30.31	49.90	WNW
3/24/2023 ¹	30.43	51.00	NNW
3/27/2023 ¹	30.11	50.94	SE
3/30/2023 ¹	29.98	49.97	ESE

Notes:

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

°F = degree Fareheit

in Hg = inches of mercury

E = East

N = North

S = South

W = West

ATTACHMENT 2 ASBESTOS MONITORING RESULTS

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)	
MSE01-030123	03/01/23	1	553	1106	8.5	0.004	No	
MSE02-030123	03/01/23	2	555	1110	7.0	0.003	No	
MSE01-030223	03/02/23	1	445	890	15.0	0.008	No	
MSE02-030223	03/02/23	2	441	882	11.5	0.006	No	
MSE01-030623	03/06/23	1	562	1124	4.0	<0.002	No	
MSE02-030623	03/06/23	2	565	1130	6.5	0.003	No	
MSE01-030723	03/07/23	1	554	1108	7.0	0.003	No	
MSE02-030723	03/07/23	2	559	1118	13.0	0.006	No	
MSE01-030823	03/08/23	1	549	1098	4.0	<0.002	No	
MSE02-030823	03/08/23	2	559	1118	8.0	0.004	No	
MSE01-031523	03/15/23	1	540	1080	8.5	0.004	No	
MSE02-031523	03/15/23	2	520	1040	9.5	0.004	No	
MSE01-031623	03/16/23	1	545	1090	7.0	0.003	No	
MSE02-031623	03/16/23	2	559	1118	12.5	0.005	No	
MSE01-031723	03/17/23	1	517	1034	9.5	0.005	No	
MSE02-031723	03/17/23	2	548	1096	7.0	0.003	No	
MSE01-032023	03/20/23	1	544	1088	11.0	0.005	No	
MSE02-032023	03/20/23	2	555	1110	7.0	0.003	No	
MSE01-032223	03/22/23	1	541	1082	6.0	0.003	No	
MSE02-032223	03/22/23	2	544	1088	6.5	0.003	No	
MSE01-032323	03/23/23	1	532	1064	8.0	0.004	No	
MSE02-032323	03/23/23	2	562	1124	9.0	0.004	No	
MSE01-032423	03/24/23	1	496	992	7.0	0.003	No	
MSE02-032423	03/24/23	2	527	1054	10.0	0.005	No	
MSE01-032723	03/27/23	1	525	1050	12.0	0.006	No	
MSE02-032723	03/27/23	2	526	1052	10.5	0.005	No	
MSE01-033023	03/30/23	1	469	938	9.0	0.005	No	
MSE02-033023	03/30/23	2	459	918	14.0	0.007	No	

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

Samples analyzed by A&B Labs

Sample locations are shown on Figure 2-1

L = liter

min = minutes

fibers/cm³ = fibers per cubic centimeter

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

Attachment 3

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

Sample, Date and Station Information			Sampler Run Information	PM10						
Sample ID	Monitoring Station	Sample End Date ¹	Total Air Volume Monitored (m³)	Concen-tration in Air (mg/m³)	Delta between Downwind and Upwind (mg/m³)	Delta between Downwind and Upwind (ug/m³)	Cal/OSHA PEL (ug/m³)	Exceedance (Yes/No)	HERO Action Level ³ (ug/m ³)	Exceedance (Yes/No)
PM020323-03	1	03/02/23	1764.49	0.00890						
PM020323-05	2	03/02/23	1786.09	0.00801	-0.0009	-0.9	5,000	No	50	No
PM020323-07	1	03/02/23 ¹	536.92	0.02160						
PM020323-09	2	03/02/23 ¹	535.29	0.01644	-0.0052	-5.2	5,000	No	50	No
PM012923-67	1	03/07/23	1760.94	0.00596						
PM012923-69	2	03/07/23	1769.55	0.00413	-0.0018	-1.8	5,000	No	50	No
PM013023-01	1	03/08/23 ¹	1773.47	0.00547						
PM013023-03	2	03/08/23 ¹	1783.61	0.00471	-0.0008	-0.8	5,000	No	50	No
PM013023-05	1	03/09/23	1767.70	0.00679						
PM013023-07	2	03/09/23	1776.57	0.00608	-0.0007	-0.7	5,000	No	50	No
PM013023-09	1	03/16/23	1765.91	0.01421						
PM013023-11	2	03/16/23	1728.59	0.01446	0.0002	14.5	5,000	No	50	No
PM020623-07	1	03/17/23	1782.97	0.01778						
PM020623-09	2	03/17/23	1773.80	0.01821	0.0004	0.4	5,000	No	50	No
PM020223-05	1	03/17/23 ¹	623.81	0.02966						
PM020223-07	2	03/17/23 ¹	667.40	0.02607	-0.0036	-3.6	5,000	No	50	No
PM020723-01	1	03/21/23	733.53 ²	0.01241						
PM020723-03	2	03/21/23	1766.12	0.01172	-0.0007	-0.7	5,000	No	50	No
PM020723-05	1	03/23/23	1758.12	0.01263						
PM020723-07	2	03/23/23	1755.91	0.00957	-0.0031	-3.1	5,000	No	50	No
PM020723-09	1	03/24/23	1756.63	0.01440						
PM020723-11	2	03/24/23	1799.81	0.01167	-0.0027	-2.7	5,000	No	50	No
PM020723-13	1	03/24/23 ¹	624.43	0.01137						
PM020723-15	2	03/24/23 ¹	660.17	0.01166	0.0003	0.3	5,000	No	50	No
PM020223-01	1	03/28/23	1742.86	0.01744						
PM020223-03	2	03/28/23	1758.05	0.00830	-0.0091	-9.1	5,000	No	50	No
PM020223-09	1	03/30/23 ¹	555.53	0.00738						
PM020223-11	2	03/30/23 ¹	553.02	0.00488	-0.0025	-2.5	5,000	No	50	No

Notes:

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

Samples analyzed by Eurofins Analytics

Sample locations are shown on Figure 2-1

min = minutes

Cal/OSHA = California Division of Occupational Safety and Health

HERO = Human and Ecological Risk Office

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

m³ = cubic meters

mg/m³ = milligrams per cubic meter

PEL = permissible exposure limit

PM10 = particulate matter smaller than 10 microns in diameter

ug/m³ = micrograms per cubic meter

² Generator malfunction

ATTACHMENT 4 TOTAL SUSPENDED PARTICULATES MONITORING RESULTS

Attachment 4

Attachment 4: Total Suspended Particulates Monitoring Results

Sample, Date and St	ation Informa	ation	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)		
TSP020323-04	1	03/02/23	1685.41	0.0138					
TSP020323-06	2	03/02/23	1781.98	0.0141	0.0003	0.5	No		
TSP020323-08	1	03/02/23 ¹	511.72	0.035					
TSP020323-10	2	03/02/23 ¹	539.56	0.0224	-0.013	0.5	No		
TSP012923-68	1	03/07/23	1667.68	0.00917					
TSP012923-70	2	03/07/23	1777.57	0.00996	0.001	0.5	No		
TSP013023-02	1	03/08/23 ¹	1682.92	0.00879					
TSP013023-04	2	03/08/23 ¹	1792.46	0.0072	-0.0016	0.5	No		
TSP013023-06	1	03/09/23	1674.99	0.0101					
TSP013023-08	2	03/09/23	1784.71	0.00958	-0.001	-0.001 0.5			
TSP013023-10	1	03/16/23	1678.24	0.0218					
TSP013023-12	2	03/16/23	1737.01	0.0238	0.002	0.5	No		
TSP020623-08	1	03/17/23	1697.41	0.0254					
TSP020623-10	2	03/17/23	1781.42	0.0268	0.001	0.5	No		
TSP020223-06	1	03/17/23 ¹	598.29	0.051					
TSP020223-08	2	03/17/23 ¹	668.70	0.0316	-0.0194	0.5	No		
TSP020723-02	1	03/21/23	662.19 ²	0.0184					
TSP020723-04	2	03/21/23	1763.05	0.0171	-0.001	0.5	No		
TSP020723-06	1	03/23/23	1675.61	0.0184					
TSP020723-08	2	03/23/23	1764.22	0.019	0.0006	0.5	No		
TSP020723-10	1	03/24/23	1685.86	0.0205					
TSP020723-12	2	03/24/23	1805.97	0.0192	-0.0013	0.5	No		
TSP020723-14	1	03/24/23 ¹	581.35	0.0155					
TSP020723-16	2	03/24/23 ¹	659.39	0.0188	0.0033	0.5	No		
TSP020223-02	1	03/28/23	1655.43	0.0356					
TSP020223-04	2	03/28/23	1767.56	0.0122	-0.023	0.5	No		
TSP020223-10	1	03/30/23 ¹	528.00	0.0155					
TSP020223-12	2	03/30/23 ¹	557.33	0.0151	-0.0004	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

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	i	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)
TSP020323-04	1	03/02/23	1685.41	0.00021419	No	< 0.00000831	No	< 0.00005815	No
TSP020323-06	2	03/02/23	1781.98	0.00026431	No	< 0.00000786	No	< 0.000055	No
TSP020323-08	1	03/02/23 ¹	511.72	0.00023841	No	< 0.00002736	No	< 0.00019151	No
TSP020323-10	2	03/02/23 ¹	539.56	0.00050041	No	< 0.00002595	No	< 0.00018163	No
TSP012923-68	1	03/07/23	1667.68	0.00057025	No	< 0.00000839	No	< 0.00005876	No
TSP012923-70	2	03/07/23	1777.57	< 0.00005513	No	< 0.00000788	No	< 0.00005513	No
TSP013023-02	1	03/08/23 ¹	1682.92	0.00050686	No	< 0.00000832	No	< 0.00005823	No
TSP013023-04	2	03/08/23 ¹	1792.46	0.0001523	No	< 0.00000781	No	< 0.00005467	No
TSP013023-06	1	03/09/23	1674.99	0.00057612	No	< 0.00000836	No	< 0.00005851	No
TSP013023-08	2	03/09/23	1784.71	0.00023813	No	< 0.00000784	No	< 0.00005491	No
TSP013023-10	1	03/16/23	1678.24	0.00046537	No	< 0.00000834	No	< 0.00005839	No
TSP013023-12	2	03/16/23	1737.01	0.00037133	No	< 0.00000806	No	< 0.00005642	No
TSP020623-08	1	03/17/23	1697.41	0.00072463	No	< 0.00000825	No	< 0.00005774	No
TSP020623-10	2	03/17/23	1781.42	0.00047153	No	< 0.00000786	No	< 0.00005501	No
TSP020223-06	1	03/17/23 ¹	598.29	0.00087249	No	< 0.0000234	No	< 0.0001638	No
TSP020223-08	2	03/17/23 ¹	668.70	0.00090175	No	< 0.00002094	No	< 0.00014655	No
TSP020723-02	1	03/21/23	662.19 ²	0.00028089	No	< 0.00002114	No	< 0.00014799	No
TSP020723-04	2	03/21/23	1763.05	0.00028757	No	< 0.00000794	No	< 0.00005559	No
TSP020723-06	1	03/23/23	1675.61	0.00028766	No	< 0.00000836	No	< 0.00005849	No
TSP020723-08	2	03/23/23	1764.22	0.00012924	No	< 0.00000794	No	< 0.00005555	No
TSP020723-10	1	03/24/23	1685.86	0.00025091	No	< 0.0000083	No	< 0.00005813	No
TSP020723-12	2	03/24/23	1805.97	< 0.00005426	No	< 0.00000775	No	< 0.00005426	No
TSP020723-14	1	03/24/23 ¹	581.35	0.00022362	No	< 0.00002408	No	< 0.00016857	No
TSP020723-16	2	03/24/23 ¹	659.39	0.00025175	No	< 0.00002123	No	< 0.00014862	No
TSP020223-02	1	03/28/23	1655.43	0.00070677	No	< 0.00000846	No	< 0.0000592	No
TSP020223-04	2	03/28/23	1767.56	0.00013861	No	< 0.00000792	No	< 0.00005544	No
TSP020223-10	1	03/30/23 ¹	528.00	0.00079356	No	< 0.00002652	No	< 0.00018561	No
TSP020223-12	2	03/30/23 ¹	557.33	0.00087201	No	< 0.00002512	No	< 0.00017584	No

Notes:

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

² Generator malfunction

Samples analyzed by Eurofins Analytics

Sample locations are shown on Figure 2-1

m³ = cubic meters

mg/m³ = milligrams per cubic meter

< = below detection limit

ATTACHMENT 6 AIR SAMPLING RESULTS – PUBLIC EXPOSURE MONITORING

Attachment 6



AIR SAMPLE RESULTS - PUBLIC EXPOSURE MONITORING

Contact/Task Crider Number: Project Infort (Josepher) Project Plane Location: Project Time		3														AIR 3	HIVIPLE	KESU	L13-F	OBLIC			MOINI	OKING
No. Part P												Effluent	Air Con	centration		Sa	mpling Peri	od			Color	Codes		
Effluent Conc (µClm*) Effl	Contract / 1	Task Order N	lumber:	Project Title	e / Location	on:		GES Project Nun	nber:					Alpha	Beta	Air s	amples colle	ected					, ,	
Sample S	N62473	3-17-D-0005 /	/ F4332	HPNS Par	rcel E Pha	ase 2 RA / Sa	n Francisco, CA	J3	10000400			Radi	onuclide	Ra-226	Sr-90	between	01 Mar 202	3		Value > 0).1 x Efflue	nt Conc (i.e	., > 10%)	
Sample S				Infor	mation et	ffective as of:	04 Apr 2023				Ef	fluent Conc	(μCi/ml)	9.E-13	6.E-12	and	30 Mar 202	3		Value >	> Effluent (Conc (i.e., >	100%)	
Number Type Location No Rate (ipm) Day Time Date Time Time (min) (mi) No Date (min) Units Alpha Beta Alpha Beta Alpha Beta Alpha Alpha Beta Alpha Al					5	Sample Colle	ction							Count I	nformation	n				Sample	Results		Initi	ials
AS-0781 Perimeter MSE01 PE13 S0 3/1/23 7.55 3/1/23 15:48 S23 2.6E-07 B 0.306/23 1 cpm 0.10 3.15 0.0 2.8 0.0E-00 4.7E-14 0.0% 0.8% JSV AS-0782 Perimeter MSE01 PE13 S0 3/1/23 7.55 3/1/23 15:12 S00 2.2E-07 B 0.306/23 1 cpm 0.05 2.95 -0.2 2.2 NA 3.9E-14 NA 0.7% JSV AS-0784 Perimeter MSE01 PE13 S0 3/2/23 652 3/2/23 15:12 S00 2.2E-07 B 0.306/23 1 cpm 0.05 2.95 -0.2 2.2 NA 3.9E-14 NA 0.7% JSV AS-0784 Perimeter MSE01 PE13 S0 3/2/23 654 3/2/23 15:12 S00	Sample	Sample	Sam	nple	Equip	Ave Flow	Start	End	Elapsed	Volume	Inst	Count	Time	Counting	Gross	Activity	Net o	dpm	Activity	(µCi/ml)	Effluent	Conc (%)	Count	Data
AS-0782 Perimeter MSE02 PE14 50 3/12/3 1:2 3/12/3 15:50 518 2.6E+07 B 03/06/23 1 cpm 0.05 4.15 -0.2 5.7 N/A 9.8E-14 N/A 1.6% JSV AS-0783 Perimeter MSE01 PE13 50 3/22/3 0:52 3/22/3 15:17 492 2.5E+07 B 03/06/23 1 cpm 0.05 2.9E -0.2 2.2 N/A 3.9E-14 N/A 0.7% JSV AS-0785 Perimeter MSE01 PE13 50 3/23/3 0:36/23 16:02 552 2.6E+07 B 03/33/3 1 cpm 0.05 3.9E -0.2 2.2 N/A 3.9E-14 N/A 1.6% JSV AS-0785 Perimeter MSE01 PE13 50 3/62/3 6:5	Number	Туре	Loca	ition	No	Rate (Ipm)	Day Time	Date Time	Time (min)	(ml)	No	Date	(min)	Units	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Tech	Reviewer
AS-0703 Perimeter MSE01 PE13 50 3/2/23 6.52 3/2/23 15.12 500 2.5E+07 B 0.306/23 1 cpm 0.05 2.95 -0.2 2.2 N/A 3.9E-14 N/A 0.7% JSV	AS-0781	Perimeter	MSE	E01	PE13	50	3/1/23 7:05	3/1/23 15:48	523	2.6E+07	В	03/06/23	1	cpm	0.10	3.15	0.0	2.8	0.0E+00	4.7E-14	0.0%	0.8%	JSV	BCS
AS-0784 Perimeter MSE02 PE14 50 3/2/23 7.05 3/2/23 15:17 492 2.5E+07 B 03/06/23 1 cpm 0.05 3.95 -0.2 5.1 N/A 9.3E-14 N/A 1.5% JSV AS-0785 Perimeter MSE01 PE13 50 36/23 6:04 38/23 16:00 6:00 2.8E-07 B 03/13/23 1 cpm 0.25 4.30 0.5 6:1 8.1E-15 9.8E-14 0.9% 1.6% JSV AS-0787 Perimeter MSE02 PE14 50 36/23 6:04 38/23 15:02 52 2.8E-07 B 03/13/23 1 cpm 0.10 4.00 0.0 5.2 0.0E-00 8.5E-14 0.9% 1.6% JSV AS-0787 Perimeter MSE01 PE13 50 37/23 6:45 37/23 15:32 5:27 2.6E-07 B 03/13/23 1 cpm 0.10 4.00 0.0 7.0 0.0E-00 1.2E-13 0.0% 1.4% JSV AS-0787 Perimeter MSE02 PE14 50 3/08/23 6:40 38/23 15:32 5:27 2.6E-07 B 03/13/23 1 cpm 0.10 4.00 0.0 7.0 0.0E-00 1.2E-13 0.0% 1.4% JSV AS-0789 Perimeter MSE02 PE14 50 3/08/23 6:45 38/23 15:52 5:00 2.6E-07 B 03/13/23 1 cpm 0.30 3.85 0.7 4.8 5 11:E-14 8.1E-14 1.3% 1.4% JSV AS-0789 Perimeter MSE01 PE13 50 3/08/23 6:45 3/82/3 15:55 50 2.8E-07 B 03/13/23 1 cpm 0.30 3.85 0.7 4.8 5 11:E-14 8.1E-14 1.3% 1.4% JSV AS-0789 Perimeter MSE01 PE13 50 3/82/3 6:45 3/82/3 15:55 50 2.8E-07 B 03/13/23 1 cpm 0.20 4.40 0.3 6:4 5.8E-15 0.6E-13 0.6% 1.7% JSV AS-0799 Perimeter MSE01 PE13 50 3/82/3 6:55 3/16/23 15:25 5:50 2.8E-07 B 03/13/23 1 cpm 0.20 4.40 0.3 6:4 5.8E-15 0.6E-13 0.6% 1.7% JSV AS-0792 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 15:25 5:50 2.8E-07 B 03/13/23 1 cpm 0.15 3.85 0.2 4.8 5 0.2 1.4 6.3 0.6E-13 0.6% 1.7% JSV AS-0792 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 15:25 5:10 2.8E-07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 5 0.2 1.4 6.3 0.6E-13 0.6% 1.7% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6:43 3/16/23 15:42 5:39 2.7E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6:43 3/16/23 15:42 5:39 2.7E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6:43 3/16/23 15:42 5:39 2.7E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6:43 3/16/23 15:42 5:39 2.7E-07 B 03/20/23 1 cpm 0.15 4.80 0.2 4.8 N/A 3.64 5.8E-15 0.3 4.8 5.8 5.8 5.8 5	AS-0782	Perimeter	MSE	E02	PE14	50	3/1/23 7:12	3/1/23 15:50	518		В	03/06/23	1	cpm	0.05		-0.2	_	N/A			1.6%	JSV	BCS
AS-0785 Perimeter MSE01 PE13 50 36/23 6:00 560 2.8E-07 B 03/13/23 1 cpm 0.25 4.30 0.5 6.1 8.1E-15 9.8E-14 0.0% 1.6% JSV AS-0786 Perimeter MSE01 PE13 50 36/23 6:00 36/23 16:02 552 2.8E-07 B 03/13/23 1 cpm 0.10 4.00 0.0 5.2 0.0E-00 8.5E-14 0.0% 1.4% JSV AS-0787 Perimeter MSE01 PE13 50 37/23 6:42 37/23 15:32 527 2.6E-07 B 03/13/23 1 cpm 0.10 4.00 0.0 7.0 0.0E-00 1.2E-13 0.0% 2.0% JSV AS-0788 Perimeter MSE01 PE13 50 36/23 6:45 38/23 15:55 550 2.8E-07 B 03/13/23 1 cpm 0.30 3.85 0.7 4.8 1.1E-14 8.1E-14 1.3% 1.4% JSV AS-0789 Perimeter MSE01 PE13 50 38/23 6:45 38/23 15:55 550 2.8E-07 B 03/13/23 1 cpm 0.05 3.90 0.02 4.9 N/A 8.1E-14 1.1% 1.1% 1.4% JSV AS-0789 Perimeter MSE02 PE14 50 38/23 6:45 38/23 15:55 550 2.8E-07 B 03/13/23 1 cpm 0.05 3.90 0.02 4.9 N/A 8.1E-14 1.1% 1.3% JSV AS-0789 Perimeter MSE02 PE14 50 38/23 6:55 3/15/23 15:25 550 2.8E-07 B 03/20/23 1 cpm 0.05 3.90 0.02 4.9 N/A 8.1E-14 0.0% 1.4% JSV AS-0789 Perimeter MSE02 PE13 50 3/15/23 6:55 3/15/23 15:25 50 2.8E-07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 1.1E-13 0.6% 1.1.% JSV AS-0789 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 15:25 510 2.5E-07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0789 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 15:25 510 2.5E-07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0789 Perimeter MSE01 PE13 50 3/15/23 6:50 3/16/23 15:42 5:39 2.7E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0789 Perimeter MSE01 PE13 50 3/15/23 6:50 3/16/23 15:42 5:39 2.7E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0789 Perimeter MSE01 PE13 50 3/15/23 6:50 3/16/23 15:42 5:39 2.7E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0789 Perimeter MSE01 PE13 50 3/15/23 6:40 3/15/23 6:50 3/16/23 15:40 5:60 2.7E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0789 Perimeter MSE01 PE13 50 3/15/23 6:50 3/16/23 15:38 5:38 2.7E-07 B 03/20/23 1 cpm 0.15 5.00 0.3 5.8 5.6E-15 3.8E-14 0.6% 1.1/% JSV AS-0789 Perimeter MSE01 PE13	AS-0783	Perimeter	MSE	E01	PE13	50	3/2/23 6:52	3/2/23 15:12	500	2.5E+07	В	03/06/23	1	cpm	0.05	2.95	-0.2	2.2	N/A	3.9E-14	N/A	0.7%	JSV	BCS
AS-0786 Perimeter MSE02 PE14 50 3/6/23 650 3/6/23 650 5/52 2.8E-07 B 03/13/23 1 cpm 0.10 4.00 0.0 5.2 0.0E-00 8.5E-14 0.0% 1.4% JSV AS-0787 Perimeter MSE01 PE13 50 3/7/23 645 3/7/23 15.32 527 2.8E-07 B 03/13/23 1 cpm 0.10 4.00 0.0 7.0 0.0E-00 1.2E-13 0.0% 2.0% JSV AS-0789 Perimeter MSE02 PE14 50 3/7/23 645 3/8/23 15.55 550 2.8E-07 B 03/13/23 1 cpm 0.30 3.85 0.7 4.88 1.1E-14 8.1E-14 1.38; 1.4% JSV AS-0789 Perimeter MSE01 PE13 50 3/8/23 645 3/8/23 15.55 550 2.8E-07 B 03/13/23 1 cpm 0.05 3.90 -0.2 4.9 N/A 8.1E-14 N/A 1.3% JSV AS-0789 Perimeter MSE01 PE13 50 3/8/23 645 3/8/23 15.55 550 2.8E-07 B 03/13/23 1 cpm 0.05 3.90 -0.2 4.9 N/A 8.1E-14 N/A 1.3% JSV AS-0799 Perimeter MSE01 PE13 50 3/8/23 645 3/8/23 15.55 550 2.8E-07 B 03/13/23 1 cpm 0.05 3.90 -0.2 4.9 N/A 8.1E-14 N/A 1.3% JSV AS-0792 Perimeter MSE01 PE13 50 3/16/23 655 3/15/23 15.25 510 2.8E-07 B 03/13/23 1 cpm 0.05 3.85 0.7 2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0792 Perimeter MSE01 PE13 50 3/16/23 643 3/16/23 15.25 510 2.8E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0792 Perimeter MSE01 PE13 50 3/16/23 643 3/16/23 15.25 510 2.8E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/16/23 643 3/16/23 15.25 510 2.8E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/16/23 643 3/16/23 15.30 526 2.8E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/16/23 640 3/17/23 15.30 526 2.8E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/17/23 640 3/17/23 15.30 526 2.8E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/17/23 640 3/17/23 15.30 526 2.8E-07 B 03/20/23 1 cpm 0.05 3.85 0.0 3.9 0.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		Perimeter		-	PE14	50	3/2/23 7:05				В		1	cpm		3.95	-0.2	5.1	N/A		N/A	1.5%	JSV	BCS
AS-0707 Perimeter MSE01 PE13 50 37/723 6.45 37/723 15.32 527 2 EB-07 B 03/13/23 1 cpm 0.10 4.60 0.0 7.0 0.0E+00 1.2E-13 0.0% 2.0% JSV AS-0708 Perimeter MSE02 PE14 50 37/723 6.42 37/723 15.52 530 2 EB-07 B 03/13/23 1 cpm 0.30 3.85 0.7 4.8 1.1E-14 8.1E-14 1.3% 1.4% JSV AS-0709 Perimeter MSE01 PE13 50 3/02/3 6.45 3/02/3 15.55 550 2 .8E-07 B 03/13/23 1 cpm 0.05 3.90 -0.2 4.9 N/A 8.1E-14 N/A 1.3% 1.4% JSV AS-0709 Perimeter MSE02 PE14 50 3/02/3 6.55 3/15/23 15.55 550 2 .8E-07 B 03/13/23 1 cpm 0.05 3.90 -0.2 4.9 N/A 8.1E-14 N/A 1.3% 1.4% JSV AS-0709 Perimeter MSE01 PE13 50 3/16/23 6.55 3/15/23 15.25 550 2 .8E-07 B 03/13/23 1 cpm 0.05 3.90 -0.2 4.9 N/A 8.1E-14 N/A 1.3% 1.4% JSV AS-0709 Perimeter MSE02 PE14 50 3/15/23 6.55 3/15/23 15.25 510 2 .5E-07 B 03/13/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 10.1E-14 0.3% 1.4% JSV AS-0709 Perimeter MSE02 PE14 50 3/15/23 6.55 3/15/23 15.25 510 2 .5E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0709 Perimeter MSE01 PE13 50 3/16/23 6.55 3/15/23 15.25 510 2 .5E-07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% 1.5V AS-0709 Perimeter MSE02 PE14 50 3/16/23 6.50 3/16/23 15.46 539 2.7E-07 B 03/20/23 1 cpm 0.15 4.80 0.0 7.5 0.0E-00 1.3E-13 0.0% 2.1% JSV AS-0709 Perimeter MSE01 PE13 50 3/16/23 6.40 3/17/23 15.30 526 2.6E-07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0709 Perimeter MSE01 PE13 50 3/17/23 6.44 3/17/23 15.30 526 2.6E-07 B 03/20/23 1 cpm 0.05 3.85 0.2 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0709 Perimeter MSE01 PE13 50 3/17/23 6.44 3/17/23 15.30 526 2.6E-07 B 03/20/23 1 cpm 0.05 3.85 0.0 3.4 3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0709 Perimeter MSE01 PE13 50 3/17/23 6.44 3/17/23 15.30 526 2.6E-07 B 03/27/23 1 cpm 0.05 3.85 0.0 3.9 0.0E-00 7.1E-14 0.6% 1.2% DFB AS-0709 Perimeter MSE01 PE13 50 3/22/23 6.40 3/22/23 15.48 548 2.7E-07 B 03/27/23 1 cpm 0.05 3.85 0.0 3.9 0.0E-00 7.1E-14 0.6% 1.4% DFB AS-0809 Perimeter MSE01 PE13 50 3/22/23 6.59 3/22/23 15.44 548 2.7E-07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E-00 6.5E-14 0.6% 1.4% DFB AS-08		Perimeter			PE13	50	3/6/23 6:40				В		1	cpm	0.25	4.30	0.5	6.1				1.6%	JSV	BCS
AS-0788 Perimeter MSE02 PE14 50 3/71/23 6.42 3/71/23 15.32 530 2.6E+07 B 03/13/23 1 ppm 0.30 3.85 0.7 4.8 1.1E-14 8.1E-14 1.3% 1.4% JSV AS-0799 Perimeter MSE01 PE13 50 3/82/3 6.45 3/82/3 15.55 550 2.8E+07 B 03/13/23 1 ppm 0.05 3.90 0.02 4.9 N/A 8.1E-14 N/A 1.3% JSV AS-0790 Perimeter MSE02 PE14 50 3/82/3 6.55 3/15/23 15.25 550 2.8E+07 B 03/13/23 1 ppm 0.05 3.90 0.02 4.9 N/A 8.1E-14 N/A 1.3% JSV AS-0791 Perimeter MSE01 PE13 50 3/15/23 6.55 3/15/23 15.25 550 2.8E+07 B 03/13/23 1 ppm 0.15 3.85 0.2 4.48 3.0E-15 1.0E-13 0.6% 1.7% JSV AS-0792 Perimeter MSE01 PE13 50 3/15/23 6.55 3/15/23 15.25 510 2.5E+07 B 03/20/23 1 ppm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 1.4% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6.54 3/16/23 15.45 599 2.7E+07 B 03/20/23 1 ppm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6.54 3/16/23 15.45 599 2.7E+07 B 03/20/23 1 ppm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE02 PE14 50 3/16/23 6.54 3/16/23 15.35 56 2.2E+07 B 03/20/23 1 ppm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0796 Perimeter MSE01 PE13 50 3/17/23 6.44 3/17/23 15.30 526 2.6E+07 B 03/20/23 1 ppm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0796 Perimeter MSE01 PE13 50 3/17/23 6.44 3/17/23 15.30 526 2.6E+07 B 03/20/23 1 ppm 0.05 3.85 0.02 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0796 Perimeter MSE01 PE13 50 3/17/23 6.44 3/17/23 15.30 526 2.6E+07 B 03/20/23 1 ppm 0.05 3.85 0.02 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0799 Perimeter MSE01 PE13 50 3/17/23 6.44 3/17/23 15.30 526 2.6E+07 B 03/20/23 1 ppm 0.05 3.85 0.0 4.2 0.05+0.0 4.2 0.06* 1.8E-14 0.0% 1.2% DFB AS-0799 Perimeter MSE01 PE13 50 3/20/23 6.54 3/20/23 15.40 52.5E-07 B 03/27/23 1 ppm 0.05 3.85 0.0 4.2 0.0E+00 7.1E-14 0.0% 1.2% DFB AS-0800 Perimeter MSE01 PE13 50 3/20/23 6.54 3/20/23 15.40 52.5E-07 B 03/27/23 1 ppm 0.20 3.95 0.3 5.1 5.5E-15 8.3E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE01 PE13 50 3/20/23 6.54 3/20/23 15.40 52.5E-07 B 03/27/23 1 ppm 0.20 3.50 0.3 4.6 5.5E-15 3.4E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE01		Perimeter			PE14	50					В		1	cpm	0.10	4.00	0.0					1.4%	JSV	BCS
AS-0789 Perimeter MSE01 PE13 50 3/8/23 6.45 3/8/23 15.55 550 2.8E+07 B 03/13/23 1 cpm 0.20 4.49 N/A 8.1E-14 N/A 1.3% JSV AS-0790 Perimeter MSE02 PE14 50 3/8/23 6.45 3/8/23 15.55 550 2.8E+07 B 03/13/23 1 cpm 0.20 4.40 0.3 6.4 5.5E-15 1.0E-13 0.6% 1.7% JSV AS-0791 Perimeter MSE01 PE13 50 3/15/23 6.55 3/15/23 15.25 510 2.5E+07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0793 Perimeter MSE02 PE14 50 3/16/23 6.55 3/15/23 15.25 510 2.5E+07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6.55 3/15/23 15.25 510 2.5E+07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6.50 3/16/23 15.42 539 2.7E+07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E+10 1.3E-13 0.3% 2.3% JSV AS-0793 Perimeter MSE02 PE14 50 3/16/23 6.50 3/16/23 15.46 536 2.7E+07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0796 Perimeter MSE01 PE13 50 3/16/23 6.50 3/16/23 15.46 536 2.7E+07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0796 Perimeter MSE02 PE14 50 3/16/23 6.40 3/17/23 15.38 538 2.7E+07 B 03/20/23 1 cpm 0.05 3.85 -0.2 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0796 Perimeter MSE02 PE14 50 3/17/23 6.40 3/17/23 15.38 538 2.7E+07 B 03/20/23 1 cpm 0.05 3.85 0.0 4.20 0.3 5.8 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0796 Perimeter MSE02 PE14 50 3/10/23 6.49 3/20/23 15.47 539 2.7E+07 B 03/20/23 1 cpm 0.02 3.70 0.3 4.3 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0799 Perimeter MSE02 PE14 50 3/20/23 6.49 3/20/23 15.47 539 2.7E+07 B 03/20/23 1 cpm 0.00 0.2 3.70 0.3 4.3 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0799 Perimeter MSE01 PE13 50 3/20/23 6.49 3/20/23 15.40 525 2.6E+07 B 03/27/23 1 cpm 0.00 0.3 5.8 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0799 Perimeter MSE01 PE13 50 3/20/23 6.49 3/20/23 15.40 525 2.6E+07 B 03/27/23 1 cpm 0.01 3.55 0.0 3.9 0.0E+00 6.5E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE01 PE13 50 3/20/23 6.49 3/20/23 15.40 525 2.6E+07 B 03/27/23 1 cpm 0.00 0.3 5.8 5.6E-15 8.3E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE01	AS-0787	Perimeter			PE13	50	3/7/23 6:45	3/7/23 15:32	527	2.6E+07	В	03/13/23	1	cpm	0.10	4.60	0.0	7.0	0.0E+00	1.2E-13	0.0%	2.0%	JSV	BCS
AS-0790 Perimeter MSE02 PE14 50 3/8/23 6:45 3/8/23 15:55 550 2.8E+07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.40 0.3 6.4 5.5E-15 1.0E-13 0.6% 1.7% JSV AS-0791 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 15:25 510 2.5E+07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.48 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0792 Perimeter MSE02 PE14 50 3/15/23 6:55 3/15/23 15:25 510 2.5E+07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% 1.5V AS-0793 Perimeter MSE01 PE13 50 3/16/23 6:50 3/16/23 15:42 539 2.7E+07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% 1.5V AS-0794 Perimeter MSE02 PE14 50 3/16/23 6:50 3/16/23 15:46 536 2.7E+07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% 1.5V AS-0795 Perimeter MSE01 PE13 50 3/16/23 6:50 3/16/23 15:46 536 2.7E+07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% 1.5V AS-0795 Perimeter MSE01 PE13 50 3/17/23 6:44 3/17/23 15:30 526 2.6E+07 B 03/20/23 1 cpm 0.05 3.85 0.2 4.8 N/A 8.2E-14 N/A 1.4% 1.5V AS-0796 Perimeter MSE02 PE14 50 3/17/23 6:40 3/17/23 15:30 526 2.6E+07 B 03/20/23 1 cpm 0.05 3.85 0.0 4.2 4.8 N/A 8.2E-14 N/A 1.4% 1.5V AS-0796 Perimeter MSE01 PE13 50 3/20/23 6:52 3/20/23 15:47 539 2.7E+07 B 03/20/23 1 cpm 0.20 4.20 0.3 5.8 5.6E-15 9.7E-14 0.6% 1.6% 1.5V AS-0799 Perimeter MSE01 PE13 50 3/20/23 6:52 3/20/23 15:47 539 2.7E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.6% 1.6% 1.6% 1.6% 1.6% 1.6% 1.6% 1		Perimeter			PE14	50					В		1	cpm	0.30	3.85	0.7	4.8	1.1E-14	8.1E-14		1.4%	JSV	BCS
AS-0797 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 15:25 510 2.5E+07 B 03/20/23 1 cpm 0.15 3.85 0.2 4.8 3.0E-15 8.4E-14 0.3% 1.4% JSV AS-0792 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 15:25 510 2.5E+07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0793 Perimeter MSE01 PE13 50 3/16/23 6:43 3/16/23 15:42 539 2.7E+07 B 03/20/23 1 cpm 0.15 4.80 0.0 7.5 0.0E+00 1.3E-13 0.0% 2.1% JSV AS-0794 Perimeter MSE01 PE13 50 3/16/23 6:40 3/16/23 15:46 536 2.7E+07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/17/23 6:44 3/17/23 15:30 526 2.6E+07 B 03/20/23 1 cpm 0.05 3.85 -0.2 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0795 Perimeter MSE01 PE13 50 3/17/23 6:44 3/17/23 15:30 526 2.6E+07 B 03/20/23 1 cpm 0.05 3.85 -0.2 4.8 N/A 8.2E-14 0.6% 1.6% JSV AS-0795 Perimeter MSE02 PE14 50 3/17/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/20/23 1 cpm 0.20 4.20 0.3 5.8 56E-15 9.7E-14 0.6% 1.6% JSV AS-0797 Perimeter MSE01 PE13 50 3/20/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/20/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.6% JSV AS-0799 Perimeter MSE02 PE14 50 3/20/23 6:55 3/20/23 15:42 530 2.6E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0799 Perimeter MSE02 PE14 50 3/20/23 6:54 3/20/23 15:40 545 2.7E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 5.8 56E-15 7.3E-14 0.6% 1.2% DFB AS-0800 Perimeter MSE02 PE14 50 3/20/23 6:55 3/20/23 15:40 545 2.7E+07 B 03/27/23 1 cpm 0.20 3.95 0.3 5.1 5.5E-15 8.3E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE02 PE14 50 3/20/23 6:55 3/23/23 15:40 552 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 5.8 5.8E-15 8.3E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 552 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 552 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE02 PE14 50 3/23/23 6:50 3/23/23 15:40 553 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.6% 1.6% DFB AS-0800 Perimet	AS-0789	Perimeter			PE13	50	3/8/23 6:45	3/8/23 15:55	550	2.8E+07	В	03/13/23	1	cpm	0.05	3.90	-0.2	4.9	N/A	8.1E-14	N/A	1.3%	JSV	BCS
AS-0792 Perimeter MSE01 PE13 50 3/15/23 6:55 3/15/23 6:43 3/16/23 6:54 3/15/23 6:55 510 2.5E+07 B 03/20/23 1 cpm 0.15 4.85 0.2 7.7 3.0E-15 1.4E-13 0.3% 2.3% JSV AS-0793 Perimeter MSE02 PE14 50 3/16/23 6:54 3/16/23 15:46 536 2.7E+07 B 03/20/23 1 cpm 0.10 4.80 0.0 7.5 0.0E+00 1.3E-13 0.0% 2.1% JSV AS-0795 Perimeter MSE02 PE14 50 3/16/23 6:43 3/16/23 15:46 536 2.7E+07 B 03/20/23 1 cpm 0.15 6.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/17/23 6:40 3/17/23 6:50 3/20/23	AS-0790	Perimeter			PE14	50	3/8/23 6:45	3/8/23 15:55	550	2.8E+07	В	03/13/23	1	cpm	0.20	4.40	0.3	6.4	5.5E-15	1.0E-13	0.6%	1.7%	JSV	BCS
AS-0793 Perimeter MSE01 PE13 50 3/16/23 6:43 3/16/23 15:42 539 2.7E+07 B 03/20/23 1 cpm 0.10 4.80 0.0 7.5 0.0E+00 1.3E-13 0.0% 2.1% JSV AS-0794 Perimeter MSE02 PE14 50 3/16/23 6:50 3/16/23 15:46 536 2.7E+07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/17/23 6:44 3/17/23 15:30 526 2.6E+07 B 03/20/23 1 cpm 0.05 3.85 -0.2 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0796 Perimeter MSE02 PE14 50 3/17/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/20/23 1 cpm 0.20 4.20 0.3 5.8 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0797 Perimeter MSE01 PE13 50 3/20/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0799 Perimeter MSE02 PE14 50 3/20/23 6:48 3/20/23 15:42 530 2.6E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0802 Perimeter MSE02 PE14 50 3/22/23 6:45 3/22/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 5.8 5.6E-15 7.3E-14 0.6% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:59 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.4% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:59 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/24/23 5:04 5/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/24/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/24/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0805 Perimeter MSE01 PE13 50 3/24/23 15:45 535 2.7E+07 B 03	AS-0791	Perimeter			PE13	50	3/15/23 6:55	3/15/23 15:25	510		В		1	cpm	0.15	3.85	0.2	4.8		8.4E-14			JSV	BCS
AS-0794 Perimeter MSE02 PE14 50 3/16/23 6:50 3/16/23 15:46 536 2.7E+07 B 03/20/23 1 cpm 0.15 5.00 0.2 8.1 2.8E-15 1.4E-13 0.3% 2.3% JSV AS-0795 Perimeter MSE01 PE13 50 3/17/23 6:44 3/17/23 15:30 526 2.6E+07 B 03/20/23 1 cpm 0.05 3.85 -0.2 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0796 Perimeter MSE02 PE14 50 3/17/23 6:40 3/17/23 15:38 538 2.7E+07 B 03/20/23 1 cpm 0.20 4.20 0.3 5.8 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0797 Perimeter MSE01 PE13 50 3/20/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0798 Perimeter MSE02 PE14 50 3/20/23 6:52 3/20/23 15:42 530 2.6E+07 B 03/27/23 1 cpm 0.10 3.65 0.0 4.2 0.0E+00 7.1E-14 0.0% 1.2% DFB AS-0800 Perimeter MSE02 PE14 50 3/22/23 6:45 3/22/23 15:80 545 2.7E+07 B 03/27/23 1 cpm 0.10 3.65 0.0 4.2 0.0E+00 6.5E-14 0.6% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/22/23 6:45 3/22/23 15:80 545 2.7E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.6% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:55 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.8 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.15 4.25 0.2 5.9 3.1E-15 1.1E-13 1.6% 2.0% DFB AS-0804 Perimeter MSE01 PE13 50 3/24/23 7:06 3/24/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 5.0 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE02 PE14 50 3/24/23 6:50 3/24/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 5.0 5.7E-15 9.5E-14 0.6% 1.6% DFB AS	AS-0792	Perimeter	MSE	E02	PE14	50	3/15/23 6:55	3/15/23 15:25		2.5E+07	В		1	cpm	0.15	4.85	0.2	7.7		1.4E-13	0.3%	2.3%	JSV	BCS
AS-0795 Perimeter MSE01 PE13 50 3/17/23 6:44 3/17/23 15:30 526 2.6E+07 B 03/20/23 1 cpm 0.05 3.85 -0.2 4.8 N/A 8.2E-14 N/A 1.4% JSV AS-0796 Perimeter MSE02 PE14 50 3/17/23 6:40 3/17/23 15:38 538 2.7E+07 B 03/20/23 1 cpm 0.20 4.20 0.3 5.8 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0797 Perimeter MSE01 PE13 50 3/20/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0798 Perimeter MSE02 PE14 50 3/20/23 6:52 3/20/23 15:42 530 2.6E+07 B 03/27/23 1 cpm 0.10 3.65 0.0 4.2 0.0E+00 7.1E-14 0.0% 1.2% DFB AS-0800 Perimeter MSE01 PE13 50 3/22/23 6:45 3/22/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.10 3.65 0.0 4.2 0.0E+00 7.1E-14 0.0% 1.2% DFB AS-0801 Perimeter MSE02 PE14 50 3/22/23 6:55 3/22/23 15:50 545 2.7E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.35 3.85 0.8 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.95 0.3 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0803 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.35 4.70 0.8 7.2 1.4E-14 1.2E-13 1.6% 2.0% DFB AS-0805 Perimeter MSE01 PE13 50 3/24/23 7:06 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 8.1E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE01 PE13 50 3/24/23 7:06 3/24/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 8.1E-14 0.6% 0.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/24/23 7:06 3/24/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/24/23 6:45 3/27/23 15:40 535 2.7E+07 B 03/40/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Pe	AS-0793	Perimeter	MSE	E01	PE13	50	3/16/23 6:43	3/16/23 15:42	539	-	В		1	cpm	0.10	4.80	0.0	7.5	0.0E+00	1.3E-13	0.0%		JSV	BCS
AS-0796 Perimeter MSE02 PE14 50 3/17/23 6:40 3/17/23 15:38 538 2.7E+07 B 03/20/23 1 cpm 0.20 4.20 0.3 5.8 5.6E-15 9.7E-14 0.6% 1.6% JSV AS-0797 Perimeter MSE01 PE13 50 3/20/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0798 Perimeter MSE02 PE14 50 3/20/23 6:52 3/20/23 15:42 530 2.6E+07 B 03/27/23 1 cpm 0.10 3.65 0.0 4.2 0.0E+00 7.1E-14 0.0% 1.2% DFB AS-0800 Perimeter MSE01 PE13 50 3/22/23 6:45 3/22/23 15:48 548 2.7E+07 B 03/27/23 1 cpm 0.20 3.95 0.3 5.1 5.5E-15 8.3E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE02 PE14 50 3/22/23 6:45 3/22/23 15:50 545 2.7E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0801 Perimeter MSE01 PE13 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.35 3.85 0.8 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0804 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0805 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE01 PE13 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE01 PE13 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-080		Perimeter			PE14	50	3/16/23 6:50				В		1	cpm				8.1	2.8E-15				JSV	BCS
AS-0799 Perimeter MSE01 PE13 50 3/20/23 6:48 3/20/23 15:47 539 2.7E+07 B 03/27/23 1 cpm 0.20 3.70 0.3 4.3 5.6E-15 7.3E-14 0.6% 1.2% DFB AS-0799 Perimeter MSE02 PE14 50 3/20/23 6:42 3/20/23 15:42 530 2.6E+07 B 03/27/23 1 cpm 0.10 3.65 0.0 4.2 0.0E+00 7.1E-14 0.0% 1.2% DFB AS-0800 Perimeter MSE01 PE13 50 3/20/23 6:45 3/20/23 15:48 548 2.7E+07 B 03/27/23 1 cpm 0.20 3.95 0.3 5.1 5.5E-15 8.3E-14 0.6% 1.4% DFB AS-0801 Perimeter MSE02 PE14 50 3/20/23 6:45 3/20/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0802 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.35 3.85 0.8 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0804 Perimeter MSE01 PE13 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 1.2E-13 1.6% 2.0% DFB AS-0805 Perimeter MSE01 PE13 50 3/24/23 15:45 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE01 PE13 50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 0.6% DFB AS-0807 Perimeter MSE02 PE14 50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 15:40 535 3/27/23 15:40 535 2.7E+07 B 04/03/23 1	AS-0795	Perimeter			PE13	50	3/17/23 6:44	3/17/23 15:30			В		1	cpm	0.05	3.85	-0.2	4.8		_		1.4%	JSV	BCS
AS-0798 Perimeter MSE02 PE14 50 3/20/23 6:52 3/20/23 15:48 548 2.7E+07 B 03/27/23 1 cpm 0.10 3.65 0.0 4.2 0.0E+00 7.1E-14 0.0% 1.2% DFB AS-0800 Perimeter MSE01 PE13 50 3/22/23 6:45 3/22/23 15:48 548 2.7E+07 B 03/27/23 1 cpm 0.20 3.95 0.3 5.1 5.5E-15 8.3E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE02 PE14 50 3/22/23 6:45 3/22/23 15:50 545 2.7E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0800 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.35 3.85 0.8 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0804 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.15 4.25 0.2 5.9 3.1E-15 1.1E-13 0.3% 1.8% DFB AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 15:40 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE01 PE13 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 0.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB	AS-0796	Perimeter			PE14	50	3/17/23 6:40	3/17/23 15:38		2.7E+07	В	03/20/23	1	cpm	0.20	4.20	0.3	5.8	5.6E-15	9.7E-14	0.6%	1.6%	JSV	BCS
AS-0799 Perimeter MSE01 PE13 50 3/22/23 6:40 3/22/23 15:48 548 2.7E+07 B 03/27/23 1 cpm 0.20 3.95 0.3 5.1 5.5E-15 8.3E-14 0.6% 1.4% DFB AS-0800 Perimeter MSE02 PE14 50 3/22/23 6:45 3/22/23 15:50 545 2.7E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0801 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.35 3.85 0.8 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0804 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.35 4.70 0.8 7.2 1.4E-14 1.2E-13 1.6% 2.0% DFB AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 15:45 535 2.7E+07 B 03/27/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 0.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB		Perimeter			PE13	50					В		1	cpm		3.70	0.3	4.3					DFB	BCS
AS-0800 Perimeter MSE02 PE14 50 3/22/23 6:45 3/22/23 15:50 545 2.7E+07 B 03/27/23 1 cpm 0.10 3.55 0.0 3.9 0.0E+00 6.5E-14 0.0% 1.1% DFB AS-0801 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.35 3.85 0.8 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.35 4.70 0.8 7.2 1.4E-14 1.2E-13 1.6% 2.0% DFB AS-0804 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.15 4.25 0.2 5.9 3.1E-15 1.1E-13 0.3% 1.8% DFB AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB		Perimeter				50	3/20/23 6:52				В		1	cpm			0.0	4.2						BCS
AS-0801 Perimeter MSE01 PE13 50 3/23/23 6:55 3/23/23 15:40 525 2.6E+07 B 03/27/23 1 cpm 0.35 3.85 0.8 4.8 1.4E-14 8.2E-14 1.6% 1.4% DFB AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.35 4.70 0.8 7.2 1.4E-14 1.2E-13 1.6% 2.0% DFB AS-0804 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.15 4.25 0.2 5.9 3.1E-15 1.1E-13 0.3% 1.8% DFB AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 15:45 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB		Perimeter	MSE	E01	PE13	50	3/22/23 6:40		548	2.7E+07	В		1	cpm	0.20	3.95	0.3	5.1			0.6%	1.4%	DFB	BCS
AS-0802 Perimeter MSE02 PE14 50 3/23/23 6:59 3/23/23 15:34 515 2.6E+07 B 03/27/23 1 cpm 0.20 3.80 0.3 4.6 5.9E-15 8.1E-14 0.7% 1.4% DFB AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.35 4.70 0.8 7.2 1.4E-14 1.2E-13 1.6% 2.0% DFB AS-0804 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.15 4.25 0.2 5.9 3.1E-15 1.1E-13 0.3% 1.8% DFB AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 6:50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB	AS-0800	Perimeter		-	PE14	50	3/22/23 6:45	3/22/23 15:50		2.7E+07	В		1	cpm	0.10	3.55	0.0	3.9	0.0E+00	6.5E-14	0.0%	1.1%	DFB	BCS
AS-0803 Perimeter MSE01 PE13 50 3/24/23 6:50 3/24/23 15:41 531 2.7E+07 B 03/27/23 1 cpm 0.35 4.70 0.8 7.2 1.4E-14 1.2E-13 1.6% 2.0% DFB AS-0804 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.15 4.25 0.2 5.9 3.1E-15 1.1E-13 0.3% 1.8% DFB AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 6:50 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB		Perimeter			PE13	50			525		В		1	cpm		3.85	0.8	4.8				1.4%	DFB	BCS
AS-0804 Perimeter MSE02 PE14 50 3/24/23 7:06 3/24/23 15:23 497 2.5E+07 B 03/27/23 1 cpm 0.15 4.25 0.2 5.9 3.1E-15 1.1E-13 0.3% 1.8% DFB AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 15:45 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB	AS-0802	Perimeter			PE14	50	3/23/23 6:59	3/23/23 15:34	515	2.6E+07	В	03/27/23	1	cpm	0.20	3.80	0.3	4.6	5.9E-15	8.1E-14	0.7%	1.4%	DFB	BCS
AS-0805 Perimeter MSE01 PE13 50 3/27/23 6:50 3/27/23 15:45 535 2.7E+07 B 04/03/23 1 cpm 0.20 2.90 0.3 2.0 5.7E-15 3.4E-14 0.6% 0.6% DFB AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB		Perimeter			PE13	50	3/24/23 6:50				В		1	cpm	0.35	4.70	8.0	7.2	1.4E-14	1.2E-13		2.0%		BCS
AS-0806 Perimeter MSE02 PE14 50 3/27/23 6:45 3/27/23 15:40 535 2.7E+07 B 04/03/23 1 cpm 0.20 4.15 0.3 5.7 5.7E-15 9.5E-14 0.6% 1.6% DFB AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB	AS-0804	Perimeter	MSE	E02	PE14	50	3/24/23 7:06	3/24/23 15:23	497	2.5E+07	В	03/27/23	1	cpm	0.15	4.25	0.2	5.9	3.1E-15	1.1E-13	0.3%	1.8%	DFB	BCS
AS-0807 Perimeter MSE01 PE13 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.25 3.50 0.5 3.8 9.8E-15 7.3E-14 1.1% 1.2% DFB	AS-0805	Perimeter		-	PE13	50	3/27/23 6:50	3/27/23 15:45	535	2.7E+07	В	04/03/23	1	cpm	0.20	2.90	0.3	2.0	5.7E-15	3.4E-14	0.6%	0.6%	DFB	BCS
		Perimeter			PE14	50				_	В		1	cpm		4.15	0.3						DFB	BCS
AS-0808 Perimeter MSE02 PE14 50 3/30/23 6:45 3/30/23 14:30 465 2.3E+07 B 04/03/23 1 cpm 0.10 4.30 0.0 6.1 0.0E+00 1.2E-13 0.0% 2.0% DFB	AS-0807	Perimeter			PE13	50	3/30/23 6:45	3/30/23 14:30		2.3E+07	В	04/03/23	1	cpm	0.25	3.50	0.5	3.8	9.8E-15	7.3E-14	1.1%	1.2%	DFB	BCS
, , , , , , , , , , , , , , , , , , ,	AS-0808	Perimeter	MSE	E02	PE14	50	3/30/23 6:45	3/30/23 14:30	465	2.3E+07	В	04/03/23	1	cpm	0.10	4.30	0.0	6.1	0.0E+00	1.2E-13	0.0%	2.0%	DFB	BCS

RP 05-2 (Jul 2022)

ATTACHMENT 7 LABORATORY REPORTS

Attachment 7

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Laboratory Analysis Report

Job ID: 23030812



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 Removal Site Evaluation

Report To: Client Name: GES - ASRC Industrial Total Number of Pages: 7

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

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 03/08/2023 10:26

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

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

Client Sample ID	Sample Collection Date & Time	Matrix	A&B Job Sample ID
MSE01-030123	3/1/2023 15:56	Cassette	23030812.01
MSE02-030123	3/1/2023 15:51	Cassette	23030812.02
MSE01-030223	3/2/2023 14:04	Cassette	23030812.03
MSE02-030223	3/2/2023 13:52	Cassette	23030812.04



Title: Vice President Operations

Analyst:

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

ab-q210-0321

Report Number: RPT230315111



ANALYSIS OF AIRBORNE FIBER SAMPLING SAMPLING PERFORMED BY CLIENT

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

Date 3/15/2023

Job ID: 23030812

Analytical Method: NIOSH 7400-I2-Aug1994

Client: GES - /	ASRC Industrial		Project: J31	0000400 / H	lunters P	oint Shipy	ard, Parcel E	Removal S	Site Eval	uation	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
23030812.01	MSE01-030123	03/01/2023	Area	2			553	1106	100	8.5	10.828	0.004		03/15/23	
23030812.02	MSE02-030123	03/01/2023	Area	2			555	1110	100	7	8.917	0.003		03/15/23	
23030812.03	MSE01-030223	03/02/2023	Area	2			445	890	100	15.0	19.108	0.008		03/15/23	
23030812.04	MSE02-030223	03/02/2023	Area	2			441	882	100	11.5	14.650	0.006		03/15/23	

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload, Unable To Read



Sample Condition Checklist

A&I	B JobID : 23030812	Date Received: 03/08/2023 Time Received: 10:	26AM		
Clie	ent Name : GES - ASRC Industrial				
Ter	nperature : 22.0°C	Sample pH: NA			
The	rmometer ID : IR4	pH Paper ID: NA			
Pe	rservative :		ī	T	1
		Check Points	Yes	No	N/A
1.	Cooler Seal present and signed.		Х		
2.	Sample(s) in a cooler.			Х	
3.	If yes, ice in cooler.				Х
4.	Sample(s) received with chain-of-custo	ody.	Х		
5.	C-O-C signed and dated.		Х		
6.	Sample(s) received with signed sample	custody seal.		Х	
7.	Sample containers arrived intact. (If No	o comment)	Х		
8.	Water Soil Liquid Slu	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	l time.	Х		
16.	VOA vials completely filled.				Х
17.	Sample accepted.		Х		
18.	Has client been contacted about sub-ou	ut			Х
	nments : Include actions taken to resol				
No c	ooler was received, however samples are re	eceived in a box with a custody seal. Black Cassettes. ~ 03/08/23			

Received by: Check in by/date: / 03/08/2023

ab-s005-0321

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

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

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

Laboratory: A&B Labs

COC ID# 030723ASBE

22.0 IP4



_	oject Number: J310000400 3S Code: J310000400					POO					e. 100	Hous	ston T	X 77029					Event	Parcel E Asbestos
03	Job ID:230				Analytical Test Method	Asbestos								A A A A A Code Code	Matrix Addition Quality Coloration Color	ative				Page 3 of
	Event: Parcel E Asbestos Sample ID	Matrix	Date	Time	Samp Init.	1								Lo	cation ID	Sample Type		epth (ft bgs)	Cooler	Comments
_	MSE01-030123	A	03/01/2023	1556		×	+	Н		+	+			-	MSE01	N1	0.00	op - Bottom 0.00	1	Somman
2	MSE02-030123	Α	03/01/2023	1551		×								1	MSE02	N1	0.00	0.00	1	
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6						Ħ	\pm		\top	†		\forall	+						+	
8																				
9						\sqcup	_	Н	4	1										
10						Н	+	Н	+	+	+	\perp	+							
11						H	+	Н	+	+	+	\dashv	+							
- 12.77	naround Time: 7 days						_		_	+			-						4	
teli	nquished by: (Signature)		Date	Time R	eceived b	y: (Sig	gnatui	re)						Date	Time	Shipping Date	e / Carrie	r / Airbill Numbe	er	
		3	3/7/23	1400			Fe	de,	χ				31-	1/23	1400			7/23 / FEDEX		3/6/23
	Fedex											6	05/00	8/23	or 4	Received by I	aborator	y: (Signature, Da	ate, Time) 8	& condition

Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520 COC ID # 030723ASBE



- 1	Project Number: J310000400	ard, Parce	el E Removal S	ite Evaluation	1	POC	ratory.	A&B	Labs									Event: F	Parcel E Asbestos
	WBS Code: J310000400							00 E	ast Fw	y Ste	100 H	lausto	n TX 77029					-	
	Comments:												A A		Control Matrix				Page A674
	Facilities				Analytical Test Method	Asbestos			1	\			1	ntainer/Preservi	V.W.C.II				
	Equipment: Event: Parcel E Asbestos				Ani	1		-	+			1		0 100 10					
	Sample ID	Matrix	Date	Time	Samp				T			1	Lor	cation ID	Sample Type	_	epth (ft bgs)	Cooler	Comments
n	1 MSE01-030223	Α	03/02/2023	1404	- VANDA	×	+	\dashv	+	+	H	+		MSE01			op - Bottom		is an invented
n	2 MSE02-030223	Α	03/02/2023	1352		×	+	\forall	+	+	H	+	_	ISE02	N1	0.00	0.00	1	
	4 5																		
	7						+	+	+	-		+							
	8						П							_					
-	9						Ш												
L	11				1	\vdash	+	+	+	\vdash	H	+							
	Furnaround Time: 7 days					_		+	_	_		_						-	
F	Relinquished by: (Signature)		Date	Time F	Received b	y: (Sig	nature	J				T	Date	Time	Shipping Dat	e / Carrie	r / Airbill Numbe	r	
-			3/7/23	1400		1	ea	le,	X			_	3/7/23	1400	Shipping D	ate:03/0	7/23 / FEDEX 7	7713 8831	18994
	Fedex											9	3/08/23	1026	Received by	Laborato	r y : (Signature, Da	ite, Time) 8	condition
	•											T							

COC ID # 030723ASBE

Project Name: Hunters		d, Parcel E Re	moval Site Evaluation	Event: Parcel E Asbestos
Project Number: J3100	000400			
WBS Code: J31000040	00			
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)	
MSE01-030123	1-Mar	15:56	2; 553	
MSE02-030123	1-Mar	15:51	2; 555	
MSE01-030223	2-Mar	14:04	2; 445	
MSE02-030223	2-Mar	13:52	2; 441	_

ORIGIN ID: JCCA

200 FISHER STREET

SHIP DATE: 28FEB23 ACTWGT: 1.00 LB CAD: 254128867/INET4580

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



Fed€xx.

7713 8831 1894

WED - 01 MAR 4:30P STANDARD OVERNIGHT

AB HB

77029 IAH



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Laboratory Analysis Report

Job ID: 23031611



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 Removal Site Evaluation

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

Attn:

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 03/15/2023 10:29

P.O.#.:

J310000400-0015

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

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

Client Sample ID	Sample Collection Date & Time	Matrix	A&B Job Sample ID
MSE01-030623	3/6/2023 15:59	Cassette	23031611.01
MSE02-030623	3/6/2023 15:54	Cassette	23031611.02
MSE01-030723	3/7/2023 15:50	Cassette	23031611.03
MSE02-030723	3/7/2023 15:44	Cassette	23031611.04
MSE01-030823	3/8/2023 15:47	Cassette	23031611.05
MSE02-030823	3/8/2023 15:51	Cassette	23031611.06



Vice President Operations

Analyst:

Title:

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ab-q210-0321

3/22/2023

Page 1 of 8 Report Number: RPT230322072



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

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

Date 3/22/2023

Job ID: 23031611

Analytical Method: NIOSH 7400-I2-Aug1994

Client: GES - /	ASRC Industrial		Project: J31	0000400 / H	lunters P	oint Shipy	ard, Parcel E	Removal S	Site Eval	uation	ļ	Attn:			
A&B Sample ID	Client Sample ID	Collected Date	Area/Person	Flow Rate L/m	Time On	Time Off	Total Time (min)	Volume (Liters)	Total Fields	Total Fibers	F/mm2	Fiber/cc	8 Hour TWA	Analysis Date	Analyzed By
23031611.01	MSE01-030623	03/06/2023	Area	2			562	1124	100	4	5.096	< 0.002		03/22/23	
23031611.02	MSE02-030623	03/06/2023	Area	2			565	1130	100	6.5	8.280	0.003		03/22/23	
23031611.03	MSE01-030723	03/07/2023	Area	2			554	1108	100	7.0	8.917	0.003		03/22/23	
23031611.04	MSE02-030723	03/07/2023	Area	2			559	1118	100	13.0	16.561	0.006		03/22/23	
23031611.05	MSE01-030823	03/08/2023	Area	2			549	1098	100	4	5.096	< 0.002		03/22/23	
23031611.06	MSE02-030823	03/08/2023	Area	2			559	1118	100	8	10.191	0.004		03/22/23	

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

Sr Value

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

*Fiber Range = # of Fibers / 100 Counts

OUTR = Overload, Unable To Read



Sample Condition Checklist

A&I	B JobID : 23031611	Date Received: 03/15/2023 Time Received: 10:	29AM		
Clie	ent Name : GES - ASRC Industrial	<u> </u>			
Ter	nperature : 19.4°C	Sample pH: NA			
The	ermometer ID : IR4	pH Paper ID : NA			
Pe	rservative :			ı	1
		Check Points	Yes	No	N/A
1.	Cooler Seal present and signed.		Х		
2.	Sample(s) in a cooler.			Х	
3.	If yes, ice in cooler.				Х
4.	Sample(s) received with chain-of-custo	ody.	Х		
5.	C-O-C signed and dated.		Х		
6.	Sample(s) received with signed sample	e custody seal.		Х	
7.	Sample containers arrived intact. (If N	o comment)	Х		
8.	Water Soil Liquid Slu	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.	Χ		
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.				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. ~ 03/15/23			
.,0	sole. Was received, nowever samples are r	OJ 13/23			

Received by: Check in by/date: // 03/15/2023

ab-s005-0321

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

Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520 COC ID # 031423ASBE



	ct Name: Hunters Point Shipya	rd, Parce	I E Removal Sit	te Evaluation			ratory:	A&B La	bs								Event: Parc	el E Asbestos
	ct Number: J310000400					POC												
NBS	Code: J310000400					Ship	to: 1010	00 East	Fwy St	e. 100 H	ouston	TX 77029						
Comr	ments:				1		П	\neg	П	\Box		Code Ma	trix				П	D 1 6
												A Air					1	Page 1 of
							1					AQ Air	Quality Co	ontrol Matrix			11	3/6
					po	sot		X		11							-	
					Meth	Asbestos		`				III God Code III God III	ainer/Preserv]	
					Test	Ä			1			1 Filter	/No Preserva	atives]	
					Analytical Test Method													
quip	oment:				naly	11					1							
E	Event: Parcel E Asbestos	47.5		N HUE	4	1									I Day			
T			D. (_	Samp									Sample	D	epth (ft bgs)		
	ample ID	Matrix	Date	Time	Init.							Loca	ation ID	Туре		op - Bottom	Cooler	Comments
	MSE01-030623	Α	03/06/2023	1559		×						MS	SE01	N1	0.00	0.00	1	
2 M	ISE02-030623	Α	03/06/2023	1554	_	×	\perp	_		\perp		Ms	SE02	N1	0.00	0.00	1	
4		_			-	++	+	+	\vdash	++	+							
5					+	+	+	+	-	++	+						+	
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9	03/15/202						Ц											
11	03/13/20/	<i>i</i> 3 (BES - ASRC I	ndustriai	ACH		H	\perp	1	\perp	4							
	round Time: 7 days			(t) (t)	ì	1 1	Ш		Ш									
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/		7	1 1												9	ry: (Signature, D	911	
K	COX	7	15/23													7	115/23	1029
														1				
_																		c Tom

Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520 COC ID # 031423ASBE



	ject Name: Hunters Point Shipya	rd, Parce	I E Removal Si	te Evaluation				A&B L	abs									Event: P	arcel E Asbestos
	eject Number: J310000400					POC													
WB	S Code: J310000400					Ship	to: 101	00 Eas	t Fwy S	Ste. 100	Housto	on TX 77	029						
Cor	mments:							Ŧ	F	Ŧ	Н	Co	de Mai	rix				Н	Page 2 of 4
												100	A Air	Quality Contr	rol Matrix				3/9/23
					D.	S		\bigvee					14	addity oont	OF WILLIA			الـ	- 1 (
					Metho	Asbestos					П	C		ainer/Preservativ					
					Test	As							f Filter	No Preservative	5]	
					Analytical Test Method	П													
Equ	uipment:				Anal						1								
	Event: Parcel E Asbestos			ALCH TELES		1													
	Sample ID	Matrix	Date	Time	Samp Init.	Н						1	Loca	tion ID	Sample Type		epth (ft bgs) op - Bottom	Cooler	Comments
1	MSE01-030723	А	03/07/2023	1550		x							MS	SE01	N1	0.00	0.00	1	
2	MSE02-030723	А	03/07/2023	1544		х							MS	SE02	N1	0.00	0.00	1	
4					-	\vdash	+	\perp	\sqcup	_	\sqcup								
5						\vdash	+		+	+	H	-						+	
6										ed.									
8												_							
9						H	+	-	+	-	\vdash	-							
10						H	\forall		\forall	\top	\vdash	+			+ +				
11																			
	naround Time: 7 days inquished by: (Signature)		Date	Time R	eceived b	v· (Sic	natur	e)		_	-	Dat	0	Time S	Shipping Dat	o / Corrio	er / Airbill Numb		
		-				20, 10, 110	-				+	-					4/23 / FEDEX		3 9432
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Gilbane Federal 1655 Grant Street Suite 1200, Concord, CA 94520 COC ID # 031423ASBE



	roject Name: Hunters Point Shipy	ard, Parce	E Removal Si	te Evaluation				ry: A&	B Lab	5									Event: F	Parcel E Asbestos
	roject Number: J310000400					PO	45/4													
V	/BS Code: J310000400					Ship	p to: 1	10100	East F	wy St	e. 100	Housto	n TX 77	029						
_	omments:					_		_		_			По	. 1						
·	onnients.					1				1			Co		atrix					Page 3 of
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								1	П			П		AQ AI	Quality Cor	ntrol Matrix			J۱ 💮	3 9 4
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					Met	Asbestos			$ \setminus $						er/No Preservati				4	
					Test	٩				V				Filt	er/No Preservati	ves			_	
					Analytical Test Method				П		1									
F	quipment:				alyt								1						!	
33	Event: Parcel E Asbestos	Anglin in the sail	Ā					E 1 TE 1 C	4		1									
0	Lverii, r arcei L Asbestos		N. III	1											200		1000			
	Sample ID	Matrix	Date	Time	Samp Init.									Loc	ation ID	Sample		epth (ft bgs)	Cooler	Comments
	1 MSE01-030823			10.00	II III.			_		4	4					Туре	Т	op - Bottom		Commence
	2 MSE02-030823	A	03/08/2023	1547		х		_		4	-				ISE01	N1	0.00	0.00	1	
	2 WSE02-030623	A	03/08/2023	1551		х	Щ	\perp	Н	\perp	\perp	\perp		N	ISE02	N1	0.00	0.00	1	
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ORIGIN ID: JCCA

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

200 FISHER STREET

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

TO

A & B LABS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

(713) 453-6060

REF J31000.400 00.18.04



WED - 08 MAR 4:30P STANDARD OVERNIGHT

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Project Name: Hunters	ject Number: 131000400									
Project Number: J3100	00400									
WBS Code: J31000040	0									
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)							
MSE01-030623	6-Mar	15:59	2; 562							
MSE02-030623	6-Mar	15:54	2; 565							
MSE01-030723	7-Mar	15:50	2; 554							
MSE02-030723	7-Mar	15:44	2; 559							
MSE01-030823	8-Mar	15:47	2; 549							
MSE02-030823	8-Mar	15:51	2; 559							

Laboratory Analysis Report

Job ID: 23032330



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

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

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 03/22/2023 09:28

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

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

Client Sample ID	Sample Collection Date & Time	Matrix	A&B Job Sample ID
MSE01-031523	3/15/2023 15:36	Cassette	23032330.01
MSE02-031523	3/15/2023 15:42	Cassette	23032330.02
MSE01-031623	3/16/2023 15:43	Cassette	23032330.03
MSE02-031623	3/16/2023 15:47	Cassette	23032330.04
MSE01-031723	3/17/2023 15:21	Cassette	23032330.05
MSE02-031723	3/17/2023 15:36	Cassette	23032330.06



Analyst:



Title: Vice President Operations

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ab-q210-0321

3/29/2023

Page 1 of 8 Report Number: RPT230329081



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

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

Date 3/29/2023

Job ID: 23032330

Analytical Method: NIOSH 7400-I2-Aug1994

Client: GES - /	ASRC Industrial		Project: J31	0000400 / H	Hunters P	oint Shipy	ard, Parcel E	RA Phase	II		ļ	Attn:			
A&B Sample ID	Client Sample ID	Collected Date	Area/Person	Flow Rate L/m	Time On	Time Off	Total Time (min)	Volume (Liters)	Total Fields	Total Fibers	F/mm2	Fiber/cc	8 Hour TWA	Analysis Date	Analyzed By
23032330.01	MSE01-031523	03/15/2023	Area	2			540	1080	100	8.5	10.828	0.004		03/29/23	
23032330.02	MSE02-031523	03/15/2023	Area	2			520	1040	100	9.5	12.102	0.004		03/29/23	
23032330.03	MSE01-031623	03/16/2023	Area	2			545	1090	100	7	8.917	0.003		03/29/23	
23032330.04	MSE02-031623	03/16/2023	Area	2			559	1118	100	12.5	15.924	0.005		03/29/23	
23032330.05	MSE01-031723	03/17/2023	Area	2			517	1034	100	9.5	12.102	0.005		03/29/23	
23032330.06	MSE02-031723	03/17/2023	Area	2			548	1096	100	7.0	8.917	0.003		03/29/23	

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



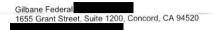
Sample Condition Checklist

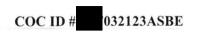
A&I	3 JobID : 23032330	Date Received: 03/22/2023 Time Received	ived: 9:28AM									
Clie	nt Name : GES - ASRC Industrial											
Ter	nperature : 22.6°C	Sample pH: NA										
The	rmometer ID : IR4	pH Paper ID: NA										
Pe	rservative :		1	ı	1							
		Check Points	Yes	No	N/A							
1.	Cooler Seal present and signed.		Х									
2.	Sample(s) in a cooler.			Х								
3.	If yes, ice in cooler.			Х								
4.	Sample(s) received with chain-of-custo	ody.	Х									
5.	5. C-O-C signed and dated.											
6.	6. Sample(s) received with signed sample custody seal.											
7.	7. Sample containers arrived intact. (If No comment)											
8.	Water Soil Liquid Slu	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	s requested.	Х									
15.	Samples were received with in the hold	I time.	Х									
16.	VOA vials completely filled.				Х							
17.	Sample accepted.		Х									
18. Has client been contacted about sub-out												
	nments: Include actions taken to resol	ve discrepancies/problem: eceived in a box with a custody seal. Black Cassettes. 3/22/20	123									
140	ooici was received, nowever samples are i	3/22/20	J2J									

Received by: Check in by/date: // 03/22/2023

ab-s005-0321

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







Proj	ect Name: Hunters Point Shipya	Name: Hunters Point Shipyard, Parcel E RA Phase II Number: J310000400						Laboratory: A&B Labs								Event: Parcel E Asbestos	
Proj	ect Number: J310000400					POC	0:										
WBS	S Code: J310000400					Ship	to: 10100	East Fw	y Ste. 100 I	Houston	TX 77029						
	D:2303233	SO ACH			Analytical Test Method	Asbestos					Code Conta						Page 1 of 3
Equ	Event: Parcel E Asbestos		g a circula		Ā	1									Sept.		
(0.36)		21.000	ESSENTENCE DE LA CONTRACTOR DE LA CONTRA		Samp							les ID	Sample	De	pth (ft bgs)	Castas	Comments
	Sample ID	Matrix	Date	Time	Init.						Local	tion ID	Туре	То	p - Bottom	Cooler	Comments
1	MSE01-031523	А	03/15/2023	153%	-	×					MS	E01	N1	0.00	0.00	1	
2	MSE02-031523	А	03/15/2023	1542		×					MS	E02	N1	0.00	0.00	1	
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4								\perp									
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7							$\sqcup \sqcup$	\perp								-	
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11								\perp									
	naround Time: 7 days					- /	C'				Date	Time	Shipping Da	to / Carrio	r / Airbill Numl	nor.	
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Gilbane Federa 1655 Grant Street. Suite 1200, Concord, CA 94520 COC ID # 032123ASBE



	ect Name: Hunters Point		, raicei	L IVA I liase II			1	20180000	,.,	Labs												rcel E Asbestos
roje	ect Number: J310000400)					POC															
WBS	Code: J310000400						Ship	to: 1	0100 E	ast Fv	vy Ste.	100 Ho	uston T	X 77029								
Com	ments:								T				П	Code	Matri	ix						Page 2
														Α	Air							
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	Event: Parcel E Asbestos	s	No. 18	1000 000			1	877	12/11/2		102	100	7 1755			and the contract of	S S S S S S S S S S S S S S S S S S S		epth (ft bgs	North Galler		
	Sample ID		Matrix	Date	Time	Samp Init,									Locat	tion ID	Sample Type		op - Botton	C	ooler	Comments
1	MSE01-031623	-	А	03/16/2023	1543		×								MS	E01	N1	0.00	0.0		1	
2	MSE02-031623		А	03/16/2023	1547		×	\Box		Н					MS	E02	N1	0.00	0.0	0	1	
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Gilbane Federal 1655 Grant Street, Suite 1200, Concord, CA 94520





Project Name: Hunters Point Ship	yard, Parce	I E RA Phase II	Laboratory: A&B Labs									Event: Parcel E Asbestos					
Project Number: J310000400					POC	:											
WBS Code: J310000400					Ship	to: 101	00 East	Fwy Ste.	00 Hou	ston TX	77029						
				_						т п	Code Ma	atrix				П	Page 3 o
Comments:					1 1				- 1		-					4	rage 3 o
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				Test Method	Asbestos						Code Co	ntainer/Preserva	tive			٦	
				t Me	Asbe						1 Filt	ter/No Preservati	ves				
				Tes												_	
				tical													
Equipment:				Analytical													
Event: Parcel E Asbestos				٩	1	$\dashv \dagger$	+			+							
				Samp								100 000	Sample	D	epth (ft bgs)		2
Sample ID	Matrix	Date	Time	Init.							Lo	cation ID	Туре	Т	op - Bottom	Cooler	Comments
1 MSE01-031723	А	03/17/2023	1521		х		S 11 5				N	MSE01	N1	0.00	0.00	1	
2 MSE02-031723	А	03/17/2023	1536		×						٨	MSE02	N1	0.00	0.00	1	
3																	
4																	
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		1912	11111111111	190	14	_				11	40	600	Re				& condition
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rucing	/	1090)								+						1 /	
										1							

COC ID # 032123ASBE

15:36

MSE02-031723

17-Mar

Project Name: Hunters	Point Shipya	rd, Parcel E RA	Phase II	Event: Parcel E Asbestos
Project Number: J3100	000400			
WBS Code: J31000040	00			المستحد كالمراك
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)	
MSE01-031523	15-Mar	15:36	2; 540	7
MSE02-031523	15-Mar	15:42	2; 520	
MSE01-031623	16-Mar	15:43	2; 545	
MSE02-031623	16-Mar	15:47	2; 559	
MSE01-031723	17-Mar	15:21	2; 517	7

2; 548

SHIP DATE: 21MAR23 ACTWGT: 1.00 LB CAD: 254128867/INET4580

200 FISHER STREET

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HOUSTON TX 77029

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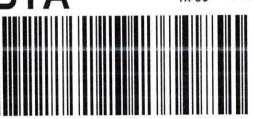
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Page 8 of 8

Laboratory Analysis Report

Job ID: 23032991



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: 03/29/2023 09:28
City, State, Zip: Tempe, Arizona, 85282 Sample Collected By:

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

Client Sample ID MSE01-032023	Sample Collection Date & Time 3/20/2023 15:51	Matrix Cassette	A&B Job Sample I 23032991.01
MSE02-032023	3/20/2023 15:46	Cassette	23032991.02
MSE01-032223	3/22/2023 15:53	Cassette	23032991.03
MSE02-032223	3/22/2023 15:46	Cassette	23032991.04
MSE01-032323	3/23/2023 15:35	Cassette	23032991.05
MSE02-032323	3/23/2023 15:46	Cassette	23032991.06
MSE01-032423	3/24/2023 15:24	Cassette	23032991.07
MSE02-032423	3/24/2023 15:40	Cassette	23032991.08



Analyst:

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ab-q210-0321

4/4/2023

ID

Page 1 of 9 Report Number: RPT230404019



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 4/4/2023

Job ID: 23032991

Analytical Method: NIOSH 7400-I2-Aug1994

Client: GES -	lient: GES - ASRC Industrial Project: J310000400 / Hunters Point Shipyard, Parcel E RA Phase II														
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
23032991.01	MSE01-032023	03/20/2023	Area	2			544	1088	100	11	14.013	0.005		04/04/23	
23032991.02	MSE02-032023	03/20/2023	Area	2			555	1110	100	7	8.917	0.003		04/04/23	
23032991.03	MSE01-032223	03/22/2023	Area	2			541	1082	100	6	7.643	0.003		04/04/23	
23032991.04	MSE02-032223	03/22/2023	Area	2			544	1088	100	6.5	8.280	0.003		04/04/23	
23032991.05	MSE01-032323	03/23/2023	Area	2			532	1064	100	8	10.191	0.004		04/04/23	
23032991.06	MSE02-032323	03/23/2023	Area	2			562	1124	100	9.0	11.465	0.004		04/04/23	
23032991.07	MSE01-032423	03/24/2023	Area	2			496	992	100	7	8.917	0.003		04/04/23	
23032991.08	MSE02-032423	03/24/2023	Area	2			527	1054	100	10.0	12.739	0.005		04/04/23	

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 : 23032991	Date Received: 03/29/2023 Time Received: 9:2	28AM		
Clie	ent Name : GES - ASRC Industrial				
Ter	nperature: 18.6°C	Sample pH: NA			
The	rmometer ID : IR4	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.				X
4.	Sample(s) received with chain-of-custon	ody.	Х		
5.	C-O-C signed and dated.		Х		
6.	Sample(s) received with signed sample	e custody seal.		Χ	
7.	Sample containers arrived intact. (If N	o comment)	Х		
8.	Water Soil Liquid Slu Matrix:	udge Solid Cassette Tube Bulk Badge Food Other			
9.	Samples were received in appropriate		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 hold	l time.	Х		
16.	VOA vials completely filled.				Х
17.	Sample accepted.		Х		
18.	Has client been contacted about sub-o	ut			Х
	nments : Include actions taken to resol	ve discrepancies/problem: eceived in a box with a custody seal. Black cassettes. ~EV 3/29/2023			
	issis. The received, notices sumples are r	223.732 2 30% man a castoa j 350m 2.40% cassocies.			

Received by: Check in by/date: // 03/29/2023

ab-s005-0321

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



Gilbane Federal Brett Womack 1655 Grant Street, Suite 1200, Concord, CA 94520 bwomack@gilbaneco.com



	roject Name: Hunters Point Shipy		Laboratory: A&B Labs											Event: Parcel E Asbestos					
	roject Number: J310000400	POC	Ship to: 10100 East Fwy Ste, 100 Houston TX 77029																
W	WBS Code: J310000400								at rwy .										
Co	omments:						T						Code Mat	rix					Page 1
t							1						A Air	Quality Cont	trol Matrix			-	
					pod	stos		$ \rangle$					Code Conti	aner/Preservati	ive.			1	
					Test Method	Asbestos								No Preservativ				-	
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Ec	quipment:				Analytical						N								
	Event: Parcel E Asbestos	100	1 200 10 21			1	20			500	104		SEL IN	s od V					
	Sample ID	Matrix	Date	Time	Samp Init.								Loca	ition ID	Sample Type		epth (ft bgs)	Cooler	Comments
	1 MSE01-032023	A	03/20/2023	1551	***	×	1						MS	SE01	N1	0.00	0.00	1	
7	2 MSE02-032023	А	03/20/2023	1546		×		$ \wedge $		\top	П		MS	SE02	N1	0.00	0,00	1	
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-	urnaround Time: 7 days				_	ш	_	ш				Ш							
	telinquished by: (Signature)	_	Date	Time	Received	by: (Si	gnatu	ire)	_				Date	Time	Shipping Da	ite / Carri	er / Airbill Numb	er	_
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H							1			_		1.5	-0(2)		Received by	Laberate	ory: (Signature, L	Date, Time)	& condition
	/		haps	9:28										1				3/23	9:28

Gilbane Federal Brett Wornack 1655 Grant Street, Suite 1200, Concord, CA 94520 bwomack@gilbaneco.com



100									Laboratory; A&B Labs											Liver Liver Liver		
Pro	oject Number: J310000400	POC																				
WE	BS Code: J310000400	Ship	Ship to: 10100 East Fwy Ste. 100 Houston TX 77029																			
Co	omments:				Analytical Test Method	Asbestos								Code Conta	Quality Cont	Ve				Page 2		
Eq	Event: Parcel E Asbestos Sample ID	Matrix	Date	Time	Samp	1						\ 		Loca	ation ID	Sample Type	$\overline{}$	epth (ft bgs)	Cooler	Comments		
_	1 MSE01-032223	A	03/22/2023	1553	MA C	×	1		+	П			T	MS	SE01	N1	0.00	0.00	1			
0	2 MSE02-032223	A	03/22/2023	1546	1	×	П	X	\top	П			П	MS	SE02	N1	0.00	0.00	1			
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Gilbane Federal Brett Wornack 1655 Grant Street, Suite 1200, Concord, CA 94520 bwomack@gilbaneco.com



oject Name: Hunters Point Si	Labo	Laboratory, A&B Labs											Event: F	Event Parcel E Asbestos						
oject Number: J310000400	POC	POC																		
BS Code: J310000400					Ship	to: 10	0100 E	East F	wy St	e. 100	Housto	n TX	77029							
omments:				Aethod	bestos								A Air AQ Air C	Quality Continued	ive	ix				Page 3 o
quipment: Event: Parcel E Asbestos				Analytical Test N	As As					\			1 Filter/	No Preservativo	ves.					
Sample ID	Matrix	Date	Time	Samp Init.									Local	tion ID				- 1107-1101 - 110	Cooler	Comments
1 MSE01-032323	A	03/23/2023	1535		×		\top	\Box	1		11		MS	E01		N1	0.00	0.00	- 1	
2 MSE02-032323	A	03/23/2023			×		\checkmark	П	\neg	\top	\vdash	\top	MS	E02		N1	0.00	0.00	-1	
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urnaround Time: 7 days																				
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files			9:28												Receiv	ed by	Laborator	y: (Signature, 1	Date, Time)	8 condition 9:28
	quipment: Event: Parcel E Asbestos Sample ID 1 MSE01-032323 2 MSE02-032323 3 4 5 6 7 7 8 9 9 100 11 urnaround Time: 7 days elinquished by: (Signature)	auipment: Event: Parcel E Asbestos Sample ID Matrix MSE01-032323 A MSE02-032323 A MSE02-032323 A MSE02-032323 A MSE02-032323 A MSE02-032323 A MSE02-032323 A	Date Date	### Date Time	Description Description	Pool Pool	Poc Poc	Description Description	Description Description	POC Ship to 10100 East Fwy St Ship to 10100 East Fwy	Poc Ship to 10100 East Fwy Ste. 100 Ship to 10100 East Fwy Ste. 100	POC Ship to 10100 East Fwy Ste 100 Houses Ship to 10100 East Fwy Ste 1010	POC Ship to 10100 East Fwy Ste 100 Houston To Ship to 10100 East Fwy Ste 10100	Poc Ship to 10100 East Fwy Ste 100 Houston TX 77029 Ship to 10100 East Fwy Ste 100 Houston	Ship to 10100 East Fay Ste 100 Houston TX 77029 Ship to 10100 East Fay Ste 100 Houston TX 77029 Ship to 10100 East Fay Ste 100 Houston TX 77029 Ship to 10100 East Fay Ste 100 Houston TX 77029 Ship to 10100 East Fay Ste 100 Houston TX 77029 A Air	Ship to 10100 East Fey Sie 100 Houston TX 77029	Solid Supplied S	POC Ship to 10100 East Pwy Ste 100 Houston TX 77029 East Pwy S	POC Ship to 10100 East Fwy Ste 100 Houston TX 77029 Ship to 10100 East Fwy Ste 100 Houston TX 77029 Ship to 10100 East Fwy Ste 100 Houston TX 77029 Smments:	POC Ship to 10100 East Fwy Ste 100 Houston TX 77029 Ship to 10100 East Fwy Ste 100 Houston

Gilbane Federal Brett Womack 1655 Grant Street, Suite 1200, Concord, CA 94520 bwomack@gilbaneco.com



Project Nar	Laboratory: A&B Labs											Event: Pa	Event: Parcel E Asbestos							
Project Nu	mber: J310000400					POC:														
WBS Code	: J310000400	Ship to: 10100 East Fwy Ste. 100 Houston TX 77029																		
Comments	:				1		F							Code Matr	ix				П	Page 4 of 4
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L D SMERT					Samp	- 111		+				-				Samp	0 0	Depth (ft bgs)		
Sample	e ID	Matrix	Date	Time	Init.									Loca	tion ID	Туре		Top - Bottom	Cooler	Comments
1 MSE01	1-034223	А	03/24/2023	1524		×	V							MS	E01	N1	0.00	0.00	1.	
2 MSE02	2-032423	А	03/24/2023	1540		×		X						MS	E02	N1	0.00	0.00	1	
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4								\perp		1	\perp		Ш							
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11			1																	
	d Time: 7 days																			
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Project Name: Hunters	Event Parcel E Asbesto			
Project Number: J3100				
WBS Code: J31000040				
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)	
MSE01-032023	20-Mar	15:51	2; 544	
MSE02-032023	20-Mar	15:46	2; 555	
MSE01-032123	21-Mar	0:00	no sampling	
MSE02-032123	21-Mar	0:00	no sampling	
MSE01-032223	22-Mar	15:53	2; 541	
MSE02-032223	22-Mar	15:46	2; 544	
MSE01-032323	23-Mar	15:35	2; 532	
MSE02-032323	23-Mar	15:46	2; 562	
MSE01-032423	24-Mar	15:24	2; 496	
MSE02-032423	24-Mar	15:40	2; 527	

200 FISHER STREET

(925) 250-6097

SHIP DATE: 23MAR23 ACTWGT: 1.00 LB CAD: 254128867/INET4580

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

TO

A & B LABS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

REF J31000 400 00 18 04





FRI - 24 MAR 4:30P STANDARD OVERNIGHT

7715 7678 3429

77029 IAH





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

additional billing charges, along with the cancellation of your FedEx account number.

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

Laboratory Analysis Report

Job ID: 23040574



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: 7

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

Client Address: 1501 West Fountainhead Parkway, Ste. #550 Date Received: 04/06/2023 10:36

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

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

Client Sample ID	Sample Collection Date & Time	Matrix	A&B Job Sample ID
MSE01-032723	3/27/2023 15:28	Cassette	23040574.01
MSE02-032723	3/27/2023 15:20	Cassette	23040574.02
MSE01-033023	3/30/2023 14:33	Cassette	23040574.03
MSE02-033023	3/30/2023 14:14	Cassette	23040574.04



Vice President Operations

Title:

Analyst:



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

ab-q210-0321

4/14/2023

Page 1 of 7 Report Number: RPT230414003



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 4/14/2023

Job ID: 23040574

Analytical Method: NIOSH 7400-I2-Aug1994

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
23040574.01	MSE01-032723	03/27/2023	Area	2			525	1050	100	12.0	15.287	0.006		04/13/23	
23040574.02	MSE02-032723	03/27/2023	Area	2			526	1052	100	10.5	13.376	0.005		04/13/23	
23040574.03	MSE01-033023	03/30/2023	Area	2			469	938	100	9	11.465	0.005		04/13/23	
23040574.04	MSE02-033023	03/30/2023	Area	2			459	918	100	14.0	17.834	0.007		04/13/23	

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&l	3 JobID : 23040574	Date Received: 04/06/2023 Time Received: 10	:36AM		
Clie	ent Name : GES - ASRC Industrial				
Ter	nperature : 20.7°C	Sample pH: NA			
The	rmometer ID : IR4	pH Paper ID: NA			
Pe	rservative :			ı	
		Check Points	Yes	No	N/A
1.	Cooler Seal present and signed.		Х		
2.	Sample(s) in a cooler.			Х	
3.	If yes, ice in cooler.				Х
4.	Sample(s) received with chain-of-custon	ody.	Х		
5.	C-O-C signed and dated.		Х		
6.	Sample(s) received with signed sample	e custody seal.		Х	
7.	Sample containers arrived intact. (If N	o comment)	Х		
8.	Water Soil Liquid Slu	adge Solid Cassette Tube Bulk Badge Food Other			
9.	Samples were received in appropriate	container(s)	Х		
10.	Sample(s) were received with Proper p	reservative			Х
11.	All samples were tagged or labeled.		Х		
12.	Sample ID labels match C-O-C ID's.		Х		
13.	Bottle count on C-O-C matches bottles	found.	Х		
14.	Sample volume is sufficient for analyse	es requested.	Х		
15.	Samples were received with in the hole	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 resol	ve discrepancies/problem: eceived in a box with a custody seal. Black cassettes. ~ 4/6/2023			
140	ooici. Was received, nowever samples are r	To John With a castody Scall Didek cassettes. " To J 2023			

Received by: Check in by/date: // 04/06/2023

ab-s005-0321

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





COC ID # 040423ASBE



	roject Name: Hunters Point Shipy	ard, Parce	I E RA Phase II			_	-	A&B L	abs									Event: F	arcel E Asbestos	
1100	roject Number: J310000400					POC														
W	BS Code: J310000400					Ship	to: 10	100 Eas	st Fwy	Ste. 10	O Hou	uston 1	X 77029							
Co	omments:				1		NT.	П	Т	П	Т	Т	Code Ma	itrix				П	Page	1 of 4
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					the state of	Asbestos	▎▕▋		5	1/1	X		Code Cor	ntainer/Preserve	ative			ור		
					is St	Asb			17	Ø,	4.		1 Fib	rr/No Preservat	tives.			11		
					Analytical Test Method	П				1	4	3						٦		
					yte	П				П										
Ec	quipment:				Anal															
2	Event: Parcel E Asbestos					1							Marie I							H
	Sample ID	Matrix	Date	Time	Samp			П				П	Lor	ation ID	Sample	D	lepth (ft bgs)	Cooler	Comments	
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14 2A	1 MSE01-032723	Α	03/27/2023	1528		×	1	\sqcup	_	\sqcup	\perp	\perp		ISE01	N1	0.00	0.00	1		
2A	2 MSE02-032723	Α	03/27/2023	1520	_	×	`	7			+	_	, N	ISE02	N1	0.00	0.00	1		
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Project Name: Hunters Point Shipyard, Parcel E RA Phase II



Laboratory: A&B Labs





Event Parcel E Asbestos

	Comments:						\		I	I					A Air						Page 20
	Equipment:				Analytical Test Method	Asbestos				4	(Z)	/ / /	3	0	ode Conti	Quality Contro	l Matrix				
	Event: Parcel E Asbestos					1											,				
	Sample ID	Matrix	Date	Time	Samp Init.										Loca	ation ID	Sample Type		epth (ft bgs) op - Bottom	Cooler	Comments
03A	1 MSE01-033023	A	03/30/2023	1433		×									MS	SE01	N1	0.00	0.00	1	
4A	2 MSE02-033023	A	03/30/2023	1414		×		N			\Box	Ц	\perp		MS	SE02	N1	0.00	0.00	1	
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Project Name: Hunters	Point Shipya	d, Parcel E RA	Phase II	Event: Parcel E Asbestos									
Project Number: J3100	oject Number: J310000400												
WBS Code: J31000040	Code: J310000400												
Sample ID	End Date	End Time	Flow Rate (L/min), Total Time (mins)										
MSE01-032723	27-Mar	15:28	2; 525										
MSE02-032723	27-Mar	15:20	2; 526										
MSE01-033023	30-Mar	14:33	2; 469										
MSE02-033023	30-Mar	14:14	2; 459										

200 FISHER STREET

SAN FRANCISCO, CA 94124 UNITED STATES US

BILL SENDER

SHIP DATE: 05APR23 ACTWGT: 1.00 LB CAD: 254128867/INET4580

TO

A & B LABS 10100 EAST FREEWAY, SUITE 100

HOUSTON TX 77029

PO

REF: J31000.400 00.18.04



TRK# 0201

7717 6598 0880

THU - 06 APR 4:30P STANDARD OVERNIGHT

77029 IAH TX-US



Page 7 of 7

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

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

March 14, 2023

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

Laboratory Workorder ID: B067011

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: March 8, 2023 Reported: March 14, 2023

Attached are the results we obtained on the analysis of your samples submitted to Analytics. Any Chains-of-Custody associated by this sample group are enclosed. Air concentrations are calculated as a convenience to the client and the overall accuracy of this result depends on both the accuracy of the air volume and the amount found by analysis. Theoretical air volumes for passive monitors are calculated using the sampling time submitted and the 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: B067011-202303144508



Final Report

Work Order B067011

AIS-GES, LLC Customer: PARCELE1 Date Received: 03/08/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

TEMPE,	AZ 85282				F	O Number	J310000400-010	6		Client Project	ID J310000400 PARCEL E HUNTERS PT
Lab ID:	B067011001	Sample ID:	PM020323-03	AMSE1			Media: 8	8X10 PREWEI	GHED GLASS	Sample Date:	3/2/2023 6:38:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	J Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.	l	03/09/23	1764490 L	1000 ug			15700 ug	9 ug/M3
Lab ID:	B067011002	Sample ID:	TSP020323-04	AMSE1			Media: 8	8X10 PREWEI	GHED GLASS	Sample Date:	3/2/2023 6:38:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	J Front	Rear	Total	Concentration
Total Su	spended Particu	ılates	40CFR50 App.E	3	03/09/23	1685410 L	1000 ug			23300 ug	14 ug/M3
		aiatoo			00/00/20	1000110 2	1000 ug				
Copper		aidtoo	40CFR50App.G 6010B		03/13/23	1685410 L	98.0 ug			361 ug	0.2142 ug/M3
			40CFR50App.G	Mod./EPA			ŭ			•	•
Copper			40CFR50App.G 6010B 40CFR50App.G	Mod./EPA	03/13/23	1685410 L	98.0 ug			361 ug	0.2142 ug/M3
Copper Lead Mangan		Sample ID:	40CFR50App.G 6010B 40CFR50App.G 6010B 40CFR50App.G	Mod./EPA	03/13/23	1685410 L	98.0 ug 14.0 ug 98.0 ug	8X10 PREWEK	GHED GLASS	361 ug	0.2142 ug/M3 < 0.0083 ug/M3
Copper Lead Mangan	ese B067011003		40CFR50App.G 6010B 40CFR50App.G 6010B 40CFR50App.G 6010B	i Mod./EPA i Mod./EPA i Mod./EPA	03/13/23	1685410 L	98.0 ug 14.0 ug 98.0 ug		GHED GLASS Rear	361 ug < 14 ug < 98 ug	0.2142 ug/M3 < 0.0083 ug/M3 < 0.0581 ug/M3

Final Report

Work Order B067011

Lab ID:	B067011004	Sample ID:	TSP020323-06	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	3/2/2023 6:31:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	03/09/23	1781980 L	1000 ug			25200 ug	14 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	03/13/23	1781980 L	98.0 ug			471 ug	0.2643 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	03/13/23	1781980 L	14.0 ug			< 14 ug	< 0.0079 ug/M3
Mangan	ese		40CFR50App.G 6010B	Mod./EPA	03/13/23	1781980 L	98.0 ug			< 98 ug	< 0.055 ug/M3
Lab ID:	B067011005	Sample ID:	PM020323-07	AMSE1			Media: 8X	(10 PREWEIGI	HED GLASS	Sample Date:	3/2/2023 2:01:00 PM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		03/09/23	536920 L	1000 ug			11600 ug	22 ug/M3
Lab ID:	B067011006	Sample ID:	TSP020323-08	AMSE1			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	3/2/2023 2:01:00 PM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	03/09/23	511720 L	1000 ug			17900 ug	35 ug/M3
Copper			40CFR50App.G	Mod./EPA	03/13/23	511720 L	98.0 ug			122 ug	0.2384 ug/M3
			6010B								
Lead			6010B 40CFR50App.G 6010B	Mod./EPA	03/13/23	511720 L	14.0 ug			< 14 ug	< 0.0274 ug/M3

Final Report

Work Order B067011

Lab ID: B0670	011007	Sample ID:	PM020323-09	AMSE2				Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	3/2/2023 1:49:00 PM
Analyte			Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
PM10 Particula	ates		40CFR50 App.J		03/09/23	535290	L	1000 ug			8800 ug	16 ug/M3
Lab ID: B0670	011008	Sample ID:	TSP020323-10	AMSE2				Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	3/2/2023 1:49:00 PM
					Analysis			Reporting				
Analyte			Method		Date	Volume		Limit	Front	Rear	Total	Concentration
Total Suspend	ed Particu	ulates	40CFR50 App.B	1	03/09/23	539560	L	1000 ug			12100 ug	22 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	03/13/23	539560	L	98.0 ug			270 ug	0.5004 ug/M3
Lead			40CFR50App.G	Mod./EPA	03/13/23	539560	L	14.0 ug			< 14 ug	< 0.0259 ug/M3
			6010B									



Final Report

Work Order B067011

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



JSTODY

Gilbane Federal

COC # 030723AIRE

GES

2300 Clayton Road, Suite 1050, Concord, CA 94520

Project Number: J310000400 POC	Monitoring
Project Number. 331000400	All the state of t
WBS Code: J310000400-016 Ship to: 10329 Stor	y Run Lane, Ashland, VA 23005

Cor	nments:				ethod			Mn Cu			3	17/			A	Matrix Air Container/Preservative 1x Envelope, None					Page 1 of 2
Equ	ipment:				Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb				\(\rac{1}{2}\)	3								
	Event: Parcel E Phase 2 Air I	Monitorin	9			1	1	1	-	-	+	-		-			Cample	Denth	(ft han)		
	Sample ID	Matrix	Date	Time	Samp Init.										ı	ocation ID	Sample Type			Cooler	Comments
1	PM020323-03	Α	03/02/2023	0638		Х										AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP020323-04	Α	03/02/2023				X	X			3	5/	/_	T		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM020323-05	Α	03/02/2023	- (3		X		\Box	\neg	十	7	7	23			AMSE2	N1	0.00	0.00	1	VOLUME (M3):
3				5631	-			X	\rightarrow	-	-	-	-	1		AMSE2	N1	0.00	0.00		VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/7/23	1400	Fedex	3/7/23	1400	Shipping Date: 3/7/2023 / FEDEX / 7713 8823 6358
	J		7 5 1. 3/2	(0)		a grand
						Received by Laboratory: (Signature, Date, Time) & condition
			4.7			Custody Seal Intact
						3/8/23 11:180
			4 10			0/8/23 11.18am

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





Pro	oject Name: Hunters Point Shi	pyard, f	Parcel E RA P	hase 2		Lab	orate	orv: F	URC	FIN	IS BI	UII T	FNV	IRO	NMENT TESTING ANALY	TICS, ASH	LAND, \	/A		arcel E Phase 2 Air
Pro	ject Number: J310000400					PO	C:									1			Monitor	ing
WB	SS Code: J310000400-016			Train (West	7777	Shi	p to:	1032	9 Sto	ony	Run	Lane	e, Asl	nland	d, VA 23005					the Williams
	mments: uipment:				Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu			3/		A		Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 2 of 2
1	Front Devel F Dhane 2 Air N	lonitorin			A A	7	1	1												
	Event: Parcel E Phase 2 Air M	ionitorin	9		T	-	-			+						Sample	Depth	(ft bas)		
	Sample ID	Matrix	Date	Time	Samp Init.										Location ID	Туре		Bottom	Cooler	Comments
1	PM020323-07	Α	03/02/2023	1401		X	\Box	-	7						AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP020323-08	A	03/02/2023	1401			X	X	7	7	X	1/			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM020323-09	Α	03/02/2023	1349		X	Н	\dashv	\top	T	7	110	*		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
	TSP020323-10	Α	03/02/2023	1349			X	X	\top	\top	\top	T	T	1	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Tur	rnaround Time: 5 days			10																The state of the s

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/7/23	1400	Fedex	3/7/23	1400	Shipping Date: 3/7/2023 / FEDEX / 7713 8823 6358
						Received by Laboratory: (Signature, Date, Time) & condition
						Custody Seal Intact -
						3/8/23 11:18an





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

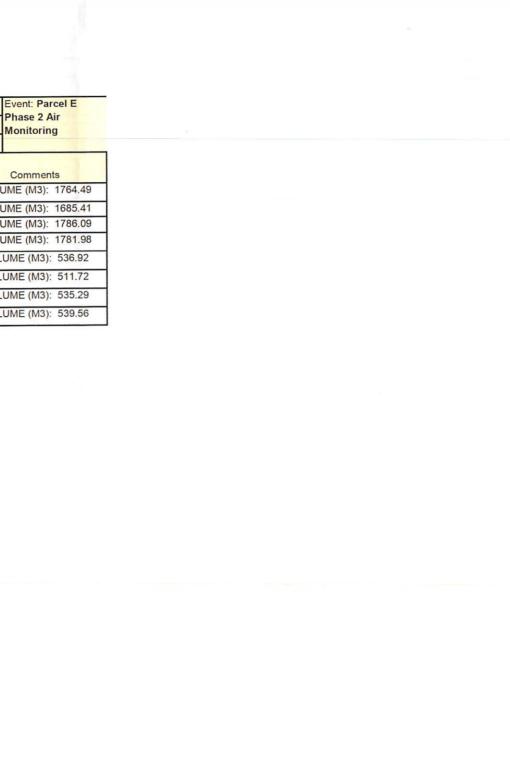
Project Number: J310000400

Project Number: J310000400

Event: Parcel E Phase 2 Air Monitoring

WBS Code: J310000400-016

	Sample ID	Matrix	Date	Time	Comments
1	PM020323-03	Α	03/02/2023	0638	VOLUME (M3): 1764.49
2	TSP020323-04	Α	03/02/2023	0638	VOLUME (M3): 1685.41
3	PM020323-05	Α	03/02/2023	0631	VOLUME (M3): 1786.09
4	TSP020323-06	Α	03/02/2023	0631	VOLUME (M3): 1781.98
5	PM020323-07	Α	03/02/2023	1401	VOLUME (M3): 536.92
6	TSP020323-08	Α	03/02/2023	1401	VOLUME (M3): 511.72
7	PM020323-09	Α	03/02/2023	1349	VOLUME (M3): 535.29
8	TSP020323-10	Α	03/02/2023	1349	VOLUME (M3): 539.56



Sample ID	Cubic Meter	Volume (L)
PM020323-03	1764.49	1764490
TSP020323-04	1685.41	1685410
PM020323-05	1786.09	1786090
TSP020323-06	1781.98	1781980
PM020323-07	536.92	536920
TSP020323-08	511.72	511720
PM020323-09	535.29	535290
TSP020323-10	539.56	539560
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0

Level 2 QA/QC Summary Report

Work Order #: B067011

Report Date: 3/14/2023

Batch ID: ICP230309C

Blank Spike	e Results		Percent R	Recovery			
QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP2	BLKSPK	Copper	95.0	96.0	75-125	1.0	25
LCS ICP2	BLKSPK	Lead	94.0	97.0	75-125	2.0	25
LCS ICP2	BLKSPK	Manganese	96.0	98.0	75-125	1.0	25
Method Bla	nk Results						
QC ID	QC Type	Parameter	Result	LOD		Units	
LMB ICP2	LMB	Copper	< 98.0	98.0		ug	
LMB ICP2	LMB	Lead	< 14.0	14.0		ug	
LMB ICP2	LMB	Manganese	< 98.0	98.0		ug	

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

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

March 20, 2023

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

Laboratory Workorder ID: B074034

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: March 15, 2023 Reported: March 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

Report ID: B074034-202303205730



Final Report

Work Order B074034

AIS-GES, LLC Customer: PARCELE1 Date Received: 03/15/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

TEMPE, AZ 85282				F	O Number	J310000400-016	;		Client Project	ID J310000400 PARCEL E HUNTERS PT
Lab ID: B074034001 Sa	ample ID:	PM012923-67	AMSE1			Media: 8	X10 PREWEIG	HED GLASS	Sample Date:	3/7/2023 6:37:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		03/16/23	1760940 L	1000 ug			10500 ug	6 ug/M3
Lab ID: B074034002 Sa	ample ID:	TSP012923-68	AMSE1			Media: 8	X10 PREWEIG	HED GLASS	Sample Date:	3/7/2023 6:37:00 AM
				Amaluaia		Damantin a				
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Particulat	tes	40CFR50 App.B		03/16/23	1667680 L	1000 ug			15300 ug	9 ug/M3
						ŭ			_	
Copper		40CFR50App.G 6010B	Mod./EPA	03/20/23	1667680 L	98.0 ug			951 ug	0.5703 ug/M3
Copper		40CFR50App.G		03/20/23	1667680 L 1667680 L				951 ug < 14 ug	0.5703 ug/M3 < 0.0084 ug/M3
		40CFR50App.G 6010B 40CFR50App.G	Mod./EPA			98.0 ug				<u> </u>
Lead Manganese	ample ID:	40CFR50App.G 6010B 40CFR50App.G 6010B 40CFR50App.G	Mod./EPA	03/20/23	1667680 L	98.0 ug 14.0 ug 98.0 ug	X10 PREWEIG	HED GLASS	< 14 ug	< 0.0084 ug/M3
Lead Manganese	ample ID:	40CFR50App.G 6010B 40CFR50App.G 6010B 40CFR50App.G 6010B	Mod./EPA Mod./EPA	03/20/23	1667680 L	98.0 ug 14.0 ug 98.0 ug		HED GLASS Rear	< 14 ug < 98 ug	< 0.0084 ug/M3 < 0.0588 ug/M3

Final Report

Work Order B074034

Lab ID:	B074034004	Sample ID:	TSP012923-70	AMSE2			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	3/7/2023 6:29:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	ıspended Particu	ulates	40CFR50 App.B	3	03/16/23	1777570 L	1000 ug			17700 ug	10 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	03/20/23	1777570 L	98.0 ug			< 98 ug	< 0.0551 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	03/20/23	1777570 L	14.0 ug			< 14 ug	< 0.0079 ug/M3
Mangane	ese		40CFR50App.G 6010B	Mod./EPA	03/20/23	1777570 L	98.0 ug			< 98 ug	< 0.0551 ug/M3
Lab ID:	B074034005	Sample ID:	PM013023-01	AMSE1			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	3/8/2023 6:39:00 AM
Analyte			Method		Analysis Date	Walana	Reporting Limit	_	_		
					Date	Volume	Lillin	Front	Rear	Total	Concentration
PM10 Pa	articulates		40CFR50 App.J		03/16/23	1773470 L	1000 ug	Front	Rear	9700 ug	5 ug/M3
	B074034006	Sample ID:	40CFR50 App.J	AMSE1			1000 ug	Front 10 PREWEIGH			
	B074034006	Sample ID:					1000 ug			9700 ug	5 ug/M3
Lab ID:	B074034006		TSP013023-02	AMSE1	03/16/23 Analysis	1773470 L	1000 ug Media: 8X Reporting	10 PREWEIGH	HED GLASS	9700 ug Sample Date:	5 ug/M3 3/8/2023 6:39:00 AM
Lab ID:	B074034006		TSP013023-02 Method	AMSE1	03/16/23 Analysis Date	1773470 L Volume	Media: 8X Reporting Limit	10 PREWEIGH	HED GLASS	9700 ug Sample Date:	5 ug/M3 3/8/2023 6:39:00 AM Concentration
Lab ID: Analyte Total Su:	B074034006		TSP013023-02 Method 40CFR50 App.E 40CFR50App.G	AMSE1 B Mod./EPA	03/16/23 Analysis Date 03/16/23	1773470 L Volume 1682920 L	Media: 8X Reporting Limit 1000 ug	10 PREWEIGH	HED GLASS	9700 ug Sample Date: Total 14800 ug	5 ug/M3 3/8/2023 6:39:00 AM Concentration 9 ug/M3



Work Order B074034	V	Nork	Order	B074034
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Analyte											
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 03/16/23 1783610 L 1000 ug 8400 ug 5 ug/M3 Lab ID: B074034008 Sample ID: TSP013023-04 AMSE2 Media: 8X10 PREWEIGHED GLASS Sample Date: 3/8/2023 6:30:000 A Analyte Method Analysis Date Volume Reporting Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 03/16/23 1792460 L 1000 ug 12900 ug 7 ug/M3 Copper 40CFR50 App.B Mod/EPA 03/20/23 1792460 L 98.0 ug 273 ug 0.1523 ug/M3 Lead 40CFR50 App.G Mod/EPA 03/20/23 1792460 L 98.0 ug < 14 ug	Lab ID: B07403400	B074034007 Sample ID: PM013023-03 AMSE2					Media: 8	X10 PREWEIG	HED GLASS	Sample Date:	3/8/2023 6:30:00 AM
Media: 8X10 PREWEIGHED GLASS Sample Date: 3/8/2023 6:30:00 A	Analyte		Method		-	Volume		Front	Rear	Total	Concentration
Analyte	PM10 Particulates		40CFR50 App.	J	03/16/23	1783610 L	1000 ug			8400 ug	5 ug/M3
Analyte Method Date Volume Limit Front Rear Total Concentration Total Suspended Particulates 40CFR50 App.B 03/16/23 1792460 L 1000 ug 12900 ug 7 ug/M3 Copper 40CFR50App.G Mod./EPA 6010B 03/20/23 1792460 L 98.0 ug 273 ug 0.1523 ug/M3 Lead 40CFR50App.G Mod./EPA 6010B 03/20/23 1792460 L 14.0 ug < 14 ug	Lab ID: B07403400	8 Sample ID:	TSP013023-04	AMSE2			Media: 82	X10 PREWEIG	GHED GLASS	Sample Date:	3/8/2023 6:30:00 AM
Copper	Analyte		Method		•	Volume		Front	Rear	Total	Concentration
Concentration Concentratio	Total Suspended Pa	rticulates	40CFR50 App.I	3	03/16/23	1792460 L	1000 ug			12900 ug	7 ug/M3
Manganese MocFR50App.G Mod./EPA 03/20/23 1792460 L 98.0 ug 400FR50App.G Mod./EPA 03/20/23 1792460 L 98.0 ug 400FR50App.G Mod./EPA 03/20/23 1792460 L 98.0 ug 400FR50App.G Mod./EPA 3/9/2023 6:37:00 A	Copper			Mod./EPA	03/20/23	1792460 L	98.0 ug			273 ug	0.1523 ug/M3
Analyte Method Analysis Date Volume Concentration Volume Concentration Media: 8X10 PREWEIGHED GLASS Sample Date: 3/9/2023 6:37:00 A	Lead			Mod./EPA	03/20/23	1792460 L	14.0 ug			< 14 ug	< 0.0078 ug/M3
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 03/16/23 1767700 L 1000 ug 12000 ug 7 ug/M3 Lab ID: B074034010 Sample ID: TSP013023-06 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 3/9/2023 6:37:00 A Analyte Method Date Volume Limit Front Rear Total Concentration	Manganese			Mod./EPA	03/20/23	1792460 L	98.0 ug			< 98 ug	< 0.0547 ug/M3
Analyte Method Date Volume Limit Front Rear Total Concentration PM10 Particulates 40CFR50 App.J 03/16/23 1767700 L 1000 ug 12000 ug 7 ug/M3 Lab ID: B074034010 Sample ID: TSP013023-06 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 3/9/2023 6:37:00 A Analyte Method Particulates 40CFR50 App.J 03/16/23 1767700 L 1000 ug 7 ug/M3 Media: 8X10 PREWEIGHED GLASS Sample Date: 3/9/2023 6:37:00 A Reporting Limit Front Rear Total Concentration	ab ID: B07403400	9 Sample ID:	PM013023-05	AMSE1			Media: 82	X10 PREWEIG	HED GLASS	Sample Date:	3/9/2023 6:37:00 AM
Analyte Sample ID: TSP013023-06 AMSE1 Media: 8X10 PREWEIGHED GLASS Sample Date: 3/9/2023 6:37:00 A Analysis Date Volume Reporting Limit Front Rear Total Concentration	Analyte		Method		•	Volume		Front	Rear	Total	Concentration
Analysis Reporting Analyte Method Date Volume Limit Front Rear Total Concentration	PM10 Particulates		40CFR50 App.	J	03/16/23	1767700 L	1000 ug			12000 ug	7 ug/M3
Analyte Method Date Volume Limit Front Rear Total Concentration	_ab ID: B07403401	0 Sample ID:	TSP013023-06	AMSE1			Media: 8	X10 PREWEIG	HED GLASS	Sample Date:	3/9/2023 6:37:00 AM
Total Suspended Particulates 40CFR50 App.B 03/16/23 1674990 L 1000 ug 17000 ug 10 ug/M3	Analyte		Method		-	Volume		Front	Rear	Total	Concentration
	Total Suspended Pa	rticulates	40CFR50 App.I	3	03/16/23	1674990 L	1000 ug			17000 ug	10 ug/M3

Final Report

Work Order B074034

Lab ID:	B074034010	Sample ID:	TSP013023-06	AMSE1			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	3/9/2023 6:37:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Copper			40CFR50App.G 6010B	Mod./EPA	03/20/23	1674990 L	98.0 ug			965 ug	0.5761 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	03/20/23	1674990 L	14.0 ug			< 14 ug	< 0.0084 ug/M3
Mangan	ese		40CFR50App.G 6010B	Mod./EPA	03/20/23	1674990 L	98.0 ug			< 98 ug	< 0.0585 ug/M3
Lab ID:	B074034011	Sample ID:	PM013023-07	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	3/9/2023 6:27:00 AM
Analyte	1		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.J		03/16/23	1776570 L	1000 ug			10800 ug	6 ug/M3
Lab ID:	B074034012	Sample ID:	TSP013023-08	AMSE2			Media: 8X	10 PREWEIGI	HED GLASS	Sample Date:	3/9/2023 6:27:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	03/16/23	1784710 L	1000 ug			17100 ug	10 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	03/20/23	1784710 L	98.0 ug			425 ug	0.2381 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	03/20/23	1784710 L	14.0 ug			< 14 ug	< 0.0078 ug/M3
Mangan	iese		40CFR50App.G 6010B	Mod./EPA	03/20/23	1784710 L	98.0 ug			< 98 ug	< 0.0549 ug/M3



Final Report

Work Order B074034

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:: B074034-202303205730

Gilbane Federal

COC # 031423AIRE



2300 Clayton Road, Suite 1050, Concord, 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 Monitoring WBS Code: J310000400-016

						Join	ip to			otom	y I tu	La	ic, A	Siliai	d, VA 23005					
	uipment:				Analytical Test Method	r PM	N0500 - Air TSP	SW6010B - Air Pb Mn Cu			37	V.			Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	e	100			Page 1 of A'
	Event: Parcel E Phase 2 Air	Monitorin	g		4	1	1	1												
	Sample ID	Matrix	Date	Time	Samp Init.		- 31									Sample		(ft bgs)		
1	PM012923-67	A	03/07/2023	0637	nint.	Х		-				+	+		Location ID	Туре		Bottom	Cooler	Comments
2	TSP012923-68	А	03/07/2023	0637		^	X	Х	7		-	//		Н	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM012923-69	A	03/07/2023			V	^	^	+	4	*	14/	-	Н	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
4	TSP012923-70	A		0629		X	-	-	_	+	+		9	Н	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
1 5 6 1 11	naround Time: 5 days		03/07/2023	0629			X	X					1	1	AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/14/23	1400	Fedex	3/14/23	1400	Shipping Date: / FEDEX / 7714 5792 0914
					14	Received by Laboratory: (Signature, Date, Time) & condition
						3/15/23 11:09

2300 Clayton Road, Suite 1050, Concord, CA 94520

Gilbane Federal





Project Name: Hunters Point Sh	invard	Darred E DA	Dhans 2	The State of the S	L	Barrier Barrier								NAME OF THE PARTY				AN JAING BIOLEMAN	E. GOLIMPY
Project Number: J310000400	іруага,	rarcei E RA	rnase z				ory: E	URC	PIN	IS B	JILT	EN	/IRO	NMENT TESTING ANAL	YTICS, ASI	HLAND,	VA	Event: P	arcel E Phase 2 Air
WBS Code: J310000400-016					PO	1000	4000	0.01							110			Monitori	ng
			No. of Contract of		Sni	p to:	1032	9 50	ony I	Run	Lane	e, As	hlan	d, VA 23005				1	
Comments:	a.						_			2/.				Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	re				Page 2 of 4 3 3
Equipment:			-	 Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu			XX	33								
Event: Parcel E Phase 2 Air M	lonitorin	g			1	1	1											A refer	
	Matrix	Date	Time	Samp Init.										Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1 PM013023-01	Α	03/08/2023	0639		X			1		1				AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP013023-02	Α	03/08/2023	0639			Х	X			14	1/2	-	\neg	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM013023-03	Α	03/08/2023	0630		X			Т	T	1	8		\neg	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4 TSP013023-04	Α	03/08/2023				Х	X	\perp						AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Turnaround Time: 5 days		E 1	100										1						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/14/23	1400	Falex	3/14/23		Shipping Date: / FEDEX / 7714 5792 0914 3/14/2 3
						Received by Laboratory: (Signature, Date, Time) & condition Custody Stal Intact
						3/15/23 11:09a

Gilbane Federal

COC# 031423AIRE



2300 Clayton Road, Suite 1050, Concord, CA 94520

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2	Laboratory ELIDOCING DIN T CAN (DOAN TO THE CONTROL OF THE CONTROL	AN ARRO BIOLERTHINE, CORRINARY
Project Number: J310000400		Event: Parcel E Phase 2 Air Monitoring
WBS Code: J310000400-016	Ship to: 10329 Stony Run Lane, Ashland, VA 23005	- Market

Cor	omments:									26	<i>f</i>				Code Matrix A Air Code Container/Preservativ 1 1x Envelope, None	210.70				Page 3 of A 3
	uipment: Event: Parcel E Phase 2 Air N	A d — Ego cin			Analytical Test Method	CAAIR - Air	N0500 - /	SW6010		1	100	23								
	Event i dioci E i nace E i mi	Johnson				1	1	1			4	4	4	4						
-	Sample ID	Matrix	Date	Time	Samp Init.				A			AW			Location ID	Sample			1 1	
1	PM013023-05	Α	03/09/2023	0637		X		7	V	İ	1		-	+	AMSE1	Type N1	0.00		Cooler	Comments
2	TSP013023-06	Α				_	-	X	_		\$	Hal-	+		AMSE1			0.00	1	VOLUME (M3):
3	PM013023-07		03/09/2023		1	X	\rightarrow		+		YD	#	较	A+	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP013023-08				+		+	X	+	+	+	+	1		1.0	N1	0.00	0.00	1	VOLUME (M3):
_	naround Time: 5 days			0001		4		^				1	1 '		AMSE2	N1	0.00	0.00	1 1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3(14/23	1400	Fedex	3/14/23		Shipping Date: / FEDEX / 7714 5792 0914
				01110	100	3/14/23
					-	Received by Laboratory: (Signature, Date, Time) & condition
						Custody Seal Jutor t -
						aludaac
.Navy_COC_Field						3/15/23 11:09





Project Name: Hunters Point Shipyard, Parcel E RA Phase II Event: Parcel E Phase 2 Air Monitoring Project Number: J310000400

WBS Code: J310000400-016

	Sample ID	Matrix	Date	Time	Comments
1	PM012923-67	Α	03/07/2023	0637	VOLUME (M3): 1760.94
2	TSP012923-68	Α	03/07/2023	0637	VOLUME (M3): 1667.68
3	PM012923-69	Α	03/07/2023	0629	VOLUME (M3): 1769.55
4	TSP012923-70	Α	03/07/2023	0629	VOLUME (M3): 1777.57
5	PM013023-01	Α	03/08/2023	0639	VOLUME (M3): 1773.47
6	TSP013023-02	Α	03/08/2023	0639	VOLUME (M3): 1682.92
7	PM013023-03	А	03/08/2023	0630	VOLUME (M3): 1783.61
8	TSP013023-04	А	03/08/2023	0630	VOLUME (M3): 1792.46
9	PM013023-05	А	03/09/2023	0637	VOLUME (M3): 1767.70
10	TSP013023-06	А	03/09/2023	0637	VOLUME (M3): 1674.99
11	PM013023-07	Α	03/09/2023	0627	VOLUME (M3): 1776.57
12	TSP013023-08	А	03/09/2023	0627	VOLUME (M3): 1784.71

Relinquished by: (Signature)

Date Time

Received by: (Signature) AIR_VOLUME_KT031423AIRE

Date Time

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

Sample ID	Cubic Meter	Volume (L)
PM012923-67	1760.94	1760940
TSP012923-68	1667.68	1667680
PM012923-69	1769.55	1769550
TSP012923-70	1777.57	1777570
PM013023-01	1773.47	1773470
TSP013023-02	1682.92	1682920
PM013023-03	1783.61	1783610
TSP013023-04	1792.46	1792460
PM013023-05	1767.7	1767700
TSP013023-06	1674.99	1674990
PM013023-07	1776.57	1776570
TSP013023-08	1784.71	1784710
		0
		0
		0
	•	0
		0
		0
		0

Level 2 QA/QC Summary Report

Work Order #: B074034

Report Date: 3/20/2023

Batch ID: ICP230315B

Blank Spike	e Results		Percent F				
QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP2	BLKSPK	Copper	90.0	90.0	75-125	0.0	25
LCS ICP2	BLKSPK	Lead	95.0	95.0	75-125	0.0	25
LCS ICP2	BLKSPK	Manganese	90.0	90.0	75-125	0.0	25
Method Bla	nk Results						
QC ID	QC Type	Parameter	Result	LOD		Units	
LMB ICP2	LMB	Copper	< 98.0	98.0		ug	
LMB ICP2	LMB	Lead	< 14.0	14.0		ug	
LMB ICP2	LMB	Manganese	< 98.0	98.0		ug	

March 30, 2023

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

Laboratory Workorder ID: B081014

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: March 22, 2023 Reported: March 30, 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: B081014-202303302326



Final Report

AIS-GES, LLC Customer: PARCELE1 Date Received: 03/22/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

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

TEIVII E, AZ 00202		ļ	O Number	3310000400-010			Olichic Froject	PT PT
Lab ID: B081014001 Sample ID:	PM013023-09 AMS	SE1		Media: 8X	(10 PREWEIGH	IED GLASS	Sample Date:	3/16/2023 6:41:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates	40CFR50 App.J	03/23/23	1765910 L	1000 ug			25100 ug	14 ug/M3
Lab ID: B081014002 Sample ID:	TSP013023-10 AMS	SE1		Media: 8X	(10 PREWEIGH	IED GLASS	Sample Date:	3/16/2023 6:41:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Particulates	40CFR50 App.B	03/23/23	1678240 L	1000 ug			36600 ug	22 ug/M3
Copper	40CFR50App.G Mod. 6010B	/EPA 03/28/23	1678240 L	98.0 ug			781 ug	0.4654 ug/M3
Lead	40CFR50App.G Mod. 6010B	/EPA 03/28/23	1678240 L	14.0 ug			< 14 ug	< 0.0083 ug/M3
Manganese	40CFR50App.G Mod. 6010B	/EPA 03/28/23	1678240 L	98.0 ug			< 98 ug	< 0.0584 ug/M3
Lab ID: B081014003 Sample ID:	PM013023-11 AMS	SE2		Media: 8X	(10 PREWEIGH	IED GLASS	Sample Date:	3/16/2023 6:31:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates	40CFR50 App.J	03/23/23	1728590 L	1000 ug			25000 ug	14 ug/M3

Lab ID:	B081014004	Sample ID:	TSP013023-12	AMSE2			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	3/16/2023 6:31:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	spended Partic	ulates	40CFR50 App.E	3	03/23/23	1737010 L	1000 ug			41400 ug	24 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	03/28/23	1737010 L	98.0 ug			645 ug	0.3713 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	03/28/23	1737010 L	14.0 ug			< 14 ug	< 0.0081 ug/M3
Mangan	ese		40CFR50App.G 6010B	Mod./EPA	03/28/23	1737010 L	98.0 ug			< 98 ug	< 0.0564 ug/M3
Lab ID:	B081014005	Sample ID:	PM020623-07	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	3/17/2023 6:46:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.	I	03/23/23	1782970 L	1000 ug			31700 ug	18 ug/M3
Lab ID:	B081014006	Sample ID:	TSP020623-08	AMSE1			Media: 8X	(10 PREWEIGH	HED GLASS	Sample Date:	3/17/2023 6:46:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
							4000			42400	05/140
Total Su	spended Partic	ulates	40CFR50 App.E	3	03/23/23	1697410 L	1000 ug			43100 ug	25 ug/M3
Total Su Copper	spended Partic	ulates	40CFR50 App.E 40CFR50App.G 6010B		03/23/23	1697410 L 1697410 L	98.0 ug			1230 ug	25 ug/M3 0.7246 ug/M3
	spended Partic	ulates	40CFR50App.G	Mod./EPA			<u> </u>			¥	, and the second



Lab ID: B081014007	Sample ID:	PM020623-09	AMSE2			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	3/17/2023 6:30:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		03/23/23	1773800 L	1000 ug			32300 ug	18 ug/M3
Lab ID: B081014008	Sample ID:	TSP020623-10	AMSE2			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	3/17/2023 6:30:00 AM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Partic	ulates	40CFR50 App.E	3	03/23/23	1781420 L	1000 ug			47700 ug	27 ug/M3
Copper		40CFR50App.G 6010B	Mod./EPA	03/28/23	1781420 L	98.0 ug			840 ug	0.4715 ug/M3
Lead		40CFR50App.G 6010B	Mod./EPA	03/28/23	1781420 L	14.0 ug			< 14 ug	< 0.0079 ug/M3
Manganese		40CFR50App.G 6010B	Mod./EPA	03/28/23	1781420 L	98.0 ug			< 98 ug	< 0.055 ug/M3
Lab ID: B081014009	Sample ID:	PM020223-05	AMSE1			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	3/17/2023 3:17:00 PM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		03/23/23	623810 L	1000 ug			18500 ug	30 ug/M3
Lab ID: B081014010	Sample ID:	TSP020223-06	AMSE1			Media: 8X	(10 PREWEIG	HED GLASS	Sample Date:	3/17/2023 3:17:00 PM
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Partic	ulates	40CFR50 App.E	<u> </u>	03/23/23	598290 L	1000 ug			30500 ug	51 ug/M3

1 -1 10	D004044040	0	T0000000 00	AN40E4			Marilla O	V40 PDEWEIOL	IED OLAGO	Ocasala Data	0/47/0000 0 47 00 DM
Lab ID:	B081014010	Sample ID:	TSP020223-06	AMSE1			iviedia: 8.	X10 PREWEIGH	IED GLASS	Sample Date:	3/17/2023 3:17:00 PM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Copper			40CFR50App.G 6010B	Mod./EPA	03/28/23	598290 L	98.0 ug			522 ug	0.8725 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	03/28/23	598290 L	14.0 ug			< 14 ug	< 0.0234 ug/M3
Mangan	nese		40CFR50App.G 6010B	Mod./EPA	03/28/23	598290 L	98.0 ug			< 98 ug	< 0.1638 ug/M3
Lab ID:	B081014011	Sample ID:	PM020223-07	AMSE2			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	3/17/2023 3:33:00 PM
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Pa	PM10 Particulates										
	articulates		40CFR50 App.J		03/23/23	667400 L	1000 ug			17400 ug	26 ug/M3
Lab ID:	B081014012	Sample ID:	40CFR50 App.J	AMSE2	03/23/23	667400 L		X10 PREWEIGH	HED GLASS	17400 ug Sample Date:	26 ug/M3 3/17/2023 3:33:00 PM
Lab ID:	B081014012	Sample ID:			03/23/23 Analysis Date	667400 L Volume		X10 PREWEIGH Front	HED GLASS		· ·
Analyte	B081014012		TSP020223-08	AMSE2	Analysis		Media: 8.			Sample Date:	3/17/2023 3:33:00 PM
Analyte	B081014012		TSP020223-08 Method	AMSE2	Analysis Date	Volume	Media: 8. Reporting Limit			Sample Date:	3/17/2023 3:33:00 PM Concentration
Analyte Total Su	B081014012		TSP020223-08 Method 40CFR50 App.E 40CFR50App.G	AMSE2 Mod./EPA	Analysis Date 03/23/23	Volume 668700 L	Media: 8. Reporting Limit 1000 ug			Sample Date: Total 21100 ug	3/17/2023 3:33:00 PM Concentration 32 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:: B081014-202303302326

Gilbane Federal

COC # 032123AIRE



2300 Clayton Road, Suite 1050, Concord, CA 94520

	oject Name: Hunters Point St oject Number: J310000400										Event: Parcel E Phase 2 Air Monitoring							
	3S Code: J310000400-016							1032	9 Ston	y Rui	n Lane	, Ashla	ind, VA 23005					
	mments: uipment:				I Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu					Code Matrix A Air Code Container/Preserva 1 1x Envelope, None					Page 1 of 3
	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	PM013023-09	Α	03/16/2023	0641		X							AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP013023-10	Α	03/16/2023	0641			Х	X					AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM013023-11	Α	03/16/2023	0631		X				\neg			AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP013023-12	Α	03/16/2023	0631			Х	X	П	\neg	\top	\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
	3/21/23	1600	Fed (so	3/21/23	160	Shipping Date: 3/21/2023 / FEDEX / 7715 7531 7924
	7.1			3122123	1312	
						Received by Laboratory: (Signature, Date, Time) & condition 3177 173
				FEV		131Z Intact

_2300 Clayton Road, Suite 1050, Concord, CA 94520

Gilbane Federal





						Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA POC										/A	Event: Parcel E Phase 2 Air Monitoring		
WBS Code: J310000400-016							Ship to: 10329 Stony Run Lane, Ashland, VA 23005												
	nments:				Analytical Test Method	CAAIR - Air PM10	ir TSP	SW6010B - Air Pb Mn Cu					Cod 1	Air	9	100			Page 2 of 3
	Event: Parcel E Phase 2 Air M	onitorin	g			1	1	1						20 July 14 70 9				Ti e di	
	Sample ID	Matrix	Date	Time	Samp Init.									Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM020623-07	Α	03/17/2023	0646		Х								AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP020623-08	Α	03/17/2023	0646			Х	Х						AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM020623-09	Α	03/17/2023	0630		Х								AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP020623-10	Α	03/17/2023	0630			X	X	\Box	\top		П		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Turr	naround Time: 5 days				Maria de la compansión												III III		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date T		Shipping Date / Carrier / Airbill Number				
	3/21/23	1600	Feel &	3/4/23	160	Shipping Date: 3/21/2023 / FEDEX / 7715 7531 7924				
	-1 /			3122123	1312					
						ry: (Signature, Date, Time) & condition 3 122123				
			= 1			1312				

Gilbane Federal

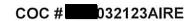
2300 Clayton Road, Suite 1050, Concord, CA 94520

COC# 032123AIRE



Proi	ect Name: Hunters Point Shi	pyard, F	Parcel E RA P	hase 2	7 7 7	Labo	rator	y: EUR	ROFINS	BUILT	ENVIR	ONMENT	ESTING ANALYT	ICS, ASH	LAND, V	/A	Event: F	Parcel E Phase 2 Air
	ect Number: J310000400	,			10.3	POC										Tion.	Monitor	ring
WBS	Code: J310000400-016			Treat to		Ship	to: 1	0329 S	tony R	un Lan	e, <mark>Ashla</mark>	nd, VA 230	05					
Com	nments:				/ // Vethod	0	:	o Mn Cu					Matrix Air Container/Preservative tx Envelope, None					Page 3 of 3
Equ	ipment:				I Analytical Test Method	- Air	r TS	SW6010B - Air Pb										
	Event: Parcel E Phase 2 Air M	onitorin	g			1	1	1										
	Sample ID	Matrix	Date	Time	Samp Init.							L	ocation ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM020223-05	Α	03/17/2023	1517		X		\Box					AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP020223-06	Α	03/17/2023	1517			x :	×					AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM020223-07	Α	03/17/2023	1533		Х							AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP020223-08	Α	03/17/2023	1533			x :	×					AMSE2	N1	0.00	0.00	1	VOLUME (M3):
Turr	naround Time: 5 days																	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/21/23	1600	FedGx	3/22/23	1600	Shipping Date: 3/21/2023 / FEDEX / 7715 7531 7924
	1 1			3122/13	1312	Received by Laboratory: (Signature, Date, Time) & condition
4						3/12/23 INtact
			-			1312





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

Project Number: J310000400

Event: Parcel E Phase 2 Air
Monitoring

WBS Code: J310000400-016

	Sample ID	Matrix	Date	Time	Comments
1	PM013023-09	А	03/16/2023	0641	VOLUME (M3): 1765,91
2	TSP013023-10	А	03/16/2023	0641	VOLUME (M3): 1678.24
3	PM013023-11	А	03/16/2023	0631	VOLUME (M3): 1728.59
4	TSP013023-12	Α	03/16/2023	0631	VOLUME (M3): 1737.01
5	PM020623-07	Α	03/17/2023	0646	VOLUME (M3): 1782.97
6	TSP020623-08	А	03/17/2023	0646	VOLUME (M3): 1697.41
7	PM020623-09	А	03/17/2023	0630	VOLUME (M3): 1773.80
8	TSP020623-10	Α	03/17/2023	0630	VOLUME (M3): 1781.42
9	PM020223-05	Α	03/17/2023	1517	VOLUME (M3): 623.81
10	TSP020223-06	А	03/17/2023	1517	VOLUME (M3): 598.29
11	PM020223-07	Α	03/17/2023	1533	VOLUME (M3): 667.40
12	TSP020223-08	Α	03/17/2023	1533	VOLUME (M3): 668.70



Sample ID	Cubic Meter	Volume (L)
PM013023-09	1765.91	1765910
TSP013023-10	1678.24	1678240
PM013023-11	1728.59	1728590
TSP013023-12	1737.01	1737010
PM020623-07	1782.97	1782970
TSP020623-08	1697.41	1697410
PM020623-09	1773.8	1773800
TSP020623-10	1781.42	1781420
PM020223-05	623.81	623810
TSP020223-06	598.29	598290
PM020223-07	667.4	667400
TSP020223-08	668.7	668700
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0
		0

April 3, 2023

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

Laboratory Workorder ID: B088009

Client Project ID: J310000400 PARCEL E HUNTERS PT

Received: March 29, 2023 Reported: April 3, 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: B088009-202304032455



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: 03/29/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

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

								HUNTERS PT
Lab ID: B088009001 Sample	e ID: PM020723-01 Al	MSE1		Media: 8	X10 PREWEIGHE	ED GLASS	Sample Date:	3/21/2023 6:41:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates	40CFR50 App.J	03/30/23	733530 L	1000 ug			9100 ug	12 ug/M3
Lab ID: B088009002 Sample	e ID: TSP020723-02 A	MSE1		Media: 8	X10 PREWEIGHE	ED GLASS	Sample Date:	3/21/2023 6:41:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Particulates	40CFR50 App.B	03/30/23	662190 L	1000 ug			12200 ug	18 ug/M3
Copper	40CFR50App.G Mo 6010B	od./EPA 04/03/23	662190 L	98 ug			186 ug	0.2809 ug/M3
Lead	40CFR50App.G Mo 6010B	od./EPA 04/03/23	662190 L	14 ug			< 14 ug	< 0.0211 ug/M3
Manganese	40CFR50App.G Mo 6010B	od./EPA 04/03/23	662190 L	98 ug			< 98 ug	< 0.148 ug/M3
Lab ID: B088009003 Sample	e ID: PM020723-03 A	MSE2		Media: 8	X10 PREWEIGHE	ED GLASS	Sample Date:	3/21/2023 6:28:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates	40CFR50 App.J	03/30/23	1766120 L	1000 ug			20700 ug	12 ug/M3

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

AIHA LAP, LLC Accreditation ID 100531

Lab ID:	B088009004	Sample ID:	TSP020723-04	AMSE2			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	3/21/2023 6:28:00 AM
Analyte	1		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Particu	ulates	40CFR50 App.B	1	03/30/23	1763050 L	1000 ug			30200 ug	17 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	04/03/23	1763050 L	98 ug			507 ug	0.2876 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	04/03/23	1763050 L	14 ug			< 14 ug	< 0.0079 ug/M3
Mangan	iese		40CFR50App.G 6010B	Mod./EPA	04/03/23	1763050 L	98 ug			< 98 ug	< 0.0556 ug/M3
Lab ID:	B088009005	Sample ID:	PM020723-05	AMSE1			Media: 8X	10 PREWEIGH	IED GLASS	Sample Date:	3/23/2023 6:45:00 AM
Analyte	,		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates										
			40CFR50 App.J		03/30/23	1758120 L	1000 ug			22200 ug	13 ug/M3
Lab ID:	B088009006	Sample ID:	40CFR50 App.J TSP020723-06	AMSE1	03/30/23	1758120 L		10 PREWEIGH	IED GLASS	22200 ug Sample Date:	13 ug/M3 3/23/2023 6:45:00 AM
Lab ID:		Sample ID:			03/30/23 Analysis Date	1758120 L Volume		10 PREWEIGH	IED GLASS		
Analyte			TSP020723-06	AMSE1	Analysis		Media: 8X			Sample Date:	3/23/2023 6:45:00 AM
Analyte	s uspended Particu		TSP020723-06 Method	AMSE1	Analysis Date	Volume	Media: 8X Reporting Limit			Sample Date:	3/23/2023 6:45:00 AM Concentration
Analyte Total Su	s uspended Particu		TSP020723-06 Method 40CFR50 App.B 40CFR50App.G	AMSE1 Mod./EPA	Analysis Date	Volume 1675610 L	Media: 8X Reporting Limit 1000 ug			Sample Date: Total 30900 ug	3/23/2023 6:45:00 AM Concentration 18 ug/M3



Lab ID: B	8088009007	Sample ID:	PM020723-07	AMSE2			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	3/23/2023 6:27:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Par	rticulates		40CFR50 App.J		03/30/23	1755910 L	1000 ug			16800 ug	10 ug/M3
Lab ID: B	3088009008	Sample ID:	TSP020723-08	AMSE2			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	3/23/2023 6:27:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Susp	pended Partic	ulates	40CFR50 App.E	3	03/30/23	1764220 L	1000 ug			33600 ug	19 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	04/03/23	1764220 L	98 ug			228 ug	0.1292 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	04/03/23	1764220 L	14 ug			< 14 ug	< 0.0079 ug/M3
Manganes	se		40CFR50App.G 6010B	Mod./EPA	04/03/23	1764220 L	98 ug			< 98 ug	< 0.0555 ug/M3
Lab ID: B	3088009009	Sample ID:	PM020723-09	AMSE1			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	3/24/2023 7:04:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Par	ticulates		40CFR50 App.J		03/30/23	1756630 L	1000 ug			25300 ug	14 ug/M3
Lab ID: B	3088009010	Sample ID:	TSP020723-10	AMSE1			Media: 8	X10 PREWEIGH	IED GLASS	Sample Date:	3/24/2023 7:04:00 AM
Analyte			Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Susp	pended Partic	ulates	40CFR50 App.E	3	03/30/23	1685860 L	1000 ug			34600 ug	21 ug/M3

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

AIHA LAP, LLC Accreditation ID 100531

Lab ID:	B088009010	Sample ID:	TSP020723-10	AMSE1			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	3/24/2023 7:04:00 AM
Analyte	e		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Copper			40CFR50App.G 6010B	Mod./EPA	04/03/23	1685860 L	98 ug			423 ug	0.2509 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	04/03/23	1685860 L	14 ug			< 14 ug	< 0.0083 ug/M3
Mangai	nese		40CFR50App.G 6010B	Mod./EPA	04/03/23	1685860 L	98 ug			< 98 ug	< 0.0581 ug/M3
Lab ID:	B088009011	Sample ID:	PM020723-11	AMSE2			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	3/24/2023 6:45:00 AM
Analyte	9		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 F	Particulates		40CFR50 App.J		03/30/23	1799810 L	1000 ug			21000 ug	12 ug/M3
Lab ID:	B088009012	Sample ID:	TSP020723-12	AMSE2			Media: 8X	10 PREWEIGH	HED GLASS	Sample Date:	3/24/2023 6:45:00 AM
Analyte	e		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total S	uspended Partic	ulates	40CFR50 App.E	3	03/30/23	1805970 L	1000 ug			34700 ug	19 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	04/03/23	1805970 L	98 ug			< 98 ug	< 0.0543 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	04/03/23	1805970 L	14 ug			< 14 ug	< 0.0078 ug/M3
Mangai	nese		40CFR50App.G 6010B	Mod./EPA	04/03/23	1805970 L	98 ug			< 98 ug	< 0.0543 ug/M3



Lab ID: B088009013	Sample ID:	PM020723-13	AMSE1				Media: 8	X10 PREWE	IGHED GLASS	Sample Date:	3/24/2023 3:30:00 PM
				Analysis			Reporting				
Analyte		Method		Date	Volume		Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		03/30/23	624430	L	1000 ug			7100 ug	11 ug/M3
Lab ID: B088009014	Sample ID:	TSP020723-14	AMSE1				Media: 8	X10 PREWE	IGHED GLASS	Sample Date:	3/24/2023 3:30:00 PM
				Analysis			Reporting				
Analyte		Method		Date	Volume		Limit	Front	Rear	Total	Concentration
Total Suspended Particu	ılates	40CFR50 App.B		03/30/23	581350	L	1000 ug			9000 ug	15 ug/M3
Copper		40CFR50App.G 6010B	Mod./EPA	04/03/23	581350	L	98 ug			130 ug	0.2236 ug/M3
Lead		40CFR50App.G 6010B	Mod./EPA	04/03/23	581350	L	14 ug			< 14 ug	< 0.0241 ug/M3
Manganese		40CFR50App.G 6010B	Mod./EPA	04/03/23	581350	L	98 ug			< 98 ug	< 0.1686 ug/M3
Lab ID: B088009015	Sample ID:	PM020723-15	AMSE2				Media: 8	X10 PREWE	IGHED GLASS	Sample Date:	3/24/2023 3:45:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		03/30/23	660170	L	1000 ug			7700 ug	12 ug/M3
Lab ID: B088009016	Sample ID:	TSP020723-16	AMSE2				Media: 8	X10 PREWE	IGHED GLASS	Sample Date:	3/24/2023 3:45:00 PM
Analyte		Method		Analysis Date	Volume		Reporting Limit	Front	Rear	Total	Concentration
				03/30/23	659390		1000 ug			12400 ug	

Lab ID: B088009016	Sample ID:	TSP020723-16 AMS	SE2			N	edia:	8X10 P	REWEIGH	ED GLASS	Sample Date:	3/24/2023 3:45:00 PM
Analyte		Method	Ana Date	llysis e	Volume	Re Lir	porting nit	-	ront	Rear	Total	Concentration
Copper		40CFR50App.G Mod./ 6010B	/EPA 04/0	3/23	659390 L	98	ug				166 ug	0.2517 ug/M3
Lead		40CFR50App.G Mod./ 6010B	/EPA 04/0	3/23	659390 L	14	ug				< 14 ug	< 0.0212 ug/M3
Manganese		40CFR50App.G Mod./ 6010B	/EPA 04/0	3/23	659390 L	98	ug				< 98 ug	< 0.1486 ug/M3



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

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:: B088009-202304032455

Gilbane Federal

COC # 032823AIRE

AMSE2



0.00

0.00

N₁



2300 Clayton Road, Suite 1050, Concord, CA 94520

Project Name: Hunters Poin	t Shipyard, I	Parcel E RA P	Phase 2	100	Lab	orato	ry: El	JROP	INS	BUI	ILT E	IVN	RO	NMENT TESTING ANALYT	TICS, ASH	LAND, \	VA		Parcel E Phase 2 Air
Project Number: J31000040	0	THE THE			PO	C											101/20	Monito	ring
WBS Code: J310000400-016			344		Shi	p to: 1	0329	Stor	ıy Rı	un La	ane,	Ash	land	I, VA 23005	110				
Comments:														Code Matrix A Air Code Container/Preservative 1 1x Envelope, None					Page 1 of 4
Equipment:				I Analytical Test Method	r PM	ir TSP	SW6010B - Air PD Min Cu												
Event: Parcel E Phase 2	Air Monitorin	g			1	1	1												
				Samp											Sample	Depth	(ft bgs)		1311
Sample ID	Matrix	Date	Time	Init.										Location ID	Туре	Top - I	Bottom	Cooler	Comments
1 PM020723-01	Α	03/21/2023	1400		X									AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP020723-02	A	03/21/2023	1200			X	<			2/	1		\neg	AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM020723-03	Α	03/21/2023	0.28		X		\top			110	A	10	\neg	AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/28/23	1400	Fedex	3/28/23	1400	Shipping Date: 3/28/2023 / FEDEX / 7715 7674 6343
						Received by Laboratory: (Signature, Date, Time) & condition (ustody Seal Intact -
						3/29/23 10:5

TSP020723-04

Turnaround Time: 5 days

A

03/21/2023

VOLUME (M3):

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC# 032823AIRE

AMSE2

0.00

N1

0.00

1

Project Name: Hunters Point Shipyard, Parcel E RA Phase 2 Laboratory: EUROFINS BUILT ENVIRONMENT TESTING ANALYTICS, ASHLAND, VA Event: Parcel E Phase 2 Air Monitoring Project Number: J310000400 POC: Stephanie Stimpson Stephanie.Stimson@ET.EurofinsUS.com Ship to: 10329 Stony Run Lane, Ashland, VA 23005 WBS Code: J310000400-016 Code Matrix Comments: Air A Page 2 of 4 Container/Preservative Code 1x Envelope, None SW6010B - Air Pb Mn Cu Analytical Test Method CAAIR - Air PM10 Equipment: N0500 - Air TSP 1 1 1 Event: Parcel E Phase 2 Air Monitoring Sample Depth (ft bgs) Samp Cooler Location ID Type Top - Bottom Comments Matrix Date Time Init. Sample ID AMSE1 0.00 0.00 1 VOLUME (M3): PM020723-05 A 03/23/2023 0645 X N1 X X AMSE1 N1 0.00 0.00 1 VOLUME (M3): TSP020723-06 A 03/23/2023 0645 AMSE2 N1 0.00 0.00 1 VOLUME (M3): A PM020723-07 03/23/2023 0627 3

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/28/23	1400	redex	3/28/23	140	Shipping Date: 3/28/2023 / FEDEX / 7715 7674 6343
						Received by Laboratory: (Signature, Date, Time) & condition
						Custody Seal Intact
						3/29/23 10:55am

TSP020723-08

Turnaround Time: 5 days

A

03/23/2023

0627

VOLUME (M3):

Gilbane Federal

2300 Clayton Road, Suite 1050, Concord, CA 94520

COC # 032823AIRE



	0 020 000 000 000 000 000 000 000 000 0																		-	
	ject Name: Hunters Point Sh	nipyard, I	Parcel E RA P	hase 2		_		ory: E	URC	OFIN	IS BI	UILT	EN	VIRO	NMENT TESTING ANALY	TICS, ASH	ILAND, V	/A	Event: P	Parcel E Phase 2 Air
	ject Number: J310000400					PO		1020	00 Ct		Dun	Lan		blan	d VA 2200E		111	1 12 12		9
WB	S Code: J310000400-016					SIII	p to:	1032	29 510	ony i	Run	Lane	e, As	man	d, VA 23005					
Cor	mments:														Code Matrix A Air Code Container/Preservative 1 1x Envelope, None		74.4			Page 3 of 4
Equ	uipment:				I Analytical Test Method	CAAIR - Air PM10	N0500 - Air TSP	SW6010B - Air Pb Mn Cu												
	Event: Parcel E Phase 2 Air	Monitorin	g			1	1	1												
				19.7	Samp										Final Action (Control of Control	Sample		(ft bgs)		
	Sample ID	Matrix	Date	Time	Init.				-	-	+	-		-	Location ID	Туре	_	Bottom	Cooler	Comments
1	PM020723-09	Α	03/24/2023	0704		X					Щ	\perp	\perp		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP020723-10	Α	03/24/2023	0704			Х	X				4			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3	PM020723-11	Α	03/24/2023	0645		X					1/2	38/	/b -	,	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4	TSP020723-12	Α	03/24/2023	0645			Х	X	T	T		T.	X	1	AMSE2	N1	0.00	0.00	1	VOLUME (M3):

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	3/28/23	1400	Pedex	3/28/23	11100	Shipping Date: 3/28/2023 / FEDEX / 7715 7674 6343
						Received by Laboratory: (Signature, Date, Time) & condition Custody Sect Interf -
						3/29/23 10:55am

Turnaround Time: 5 days

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

Gilbane Federal





Project Name: Hunters Point Shipyard, Parcel E RA Phase 2		Lab	orato	ory: E	UR	OFIN	NS B	BUIL	TE	NV	IRO	NMENT TESTING ANALYT	TICS, ASH	LAND, \	/A		Parcel E Phase 2 Air
Project Number: J310000400		PO	C:													Monitor	ring
WBS Code: J310000400-016	7.5	Ship	to:	1032	29 St	ony	Run	La	ne,	Ash	nland	d, VA 23005					
Comments:	p			Cu								Code Matrix A Air Code Container/Preservative 1 1x Envelope, None		12.12			Page 4 of 4
Equipment:	Analytical Test Method	- Air	N0500 - Air TSP	SW6010B - Air Pb Mn (\							
Event: Parcel E Phase 2 Air Monitoring		1	1	1						logis							
Sample ID Matrix Date Time	Samp Init.											Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1 PM020723-13 A 03/24/2023 \535		X	\neg	1								AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2 TSP020723-14 A 03/24/2023 \\ \(\) \(\) \(\) \(\)			X	X			8	1	1			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
3 PM020723-15 A 03/24/2023 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		X	\Box				7	Z	5/2	2		AMSE2	N1	0.00	0.00	1	VOLUME (M3):
4 TSP020723-16 A 03/24/2023 \S\4 5			X	X	\top	T	Т	T	1	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
	3/28/23	1400	Rodex	3/28/23	14cm	Shipping Date: 3/28/2023 / FEDEX / 7715 7674 6343
	21000		7 60,00	100105		
						Received by Laboratory: (Signature, Date, Time) & condition
						Custody Seal Intact -
						2/2/22 10/552
						3/21/23 10/35ak

COC # 032823AIRE



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 PM020723-01 VOLUME (M3): 733.53 Α 03/21/2023 0641 TSP020723-02 VOLUME (M3): 662.19 2 Α 03/21/2023 0641 VOLUME (M3): 1766.12 3 PM020723-03 Α 03/21/2023 0628 TSP020723-04 Α VOLUME (M3): 1763.05 4 03/21/2023 0628 PM020723-05 Α VOLUME (M3): 1758.12 03/23/2023 5 0645 TSP020723-06 VOLUME (M3): 1675.61 Α 03/23/2023 6 0645 VOLUME (M3): 1755.91 PM020723-07 Α 03/23/2023 0627 VOLUME (M3): 1764.22 8 TSP020723-08 Α 03/23/2023 0627 VOLUME (M3): 1756.63 9 PM020723-09 Α 03/24/2023 0704 TSP020723-10 Α VOLUME (M3): 1685.86 10 03/24/2023 0704 11 PM020723-11 VOLUME (M3): 1799.81 Α 03/24/2023 0645

0645

1530

1530

1545

1545

Relinquished by: (Signature)

Date

TSP020723-12

PM020723-13

TSP020723-14

PM020723-15

TSP020723-16

12

13

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16

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03/24/2023

03/24/2023

03/24/2023

03/24/2023

03/24/2023

Time

Received by: (Signat

Time 1103am. Shipping Date: 11

VOLUME (M3): 1805.97

VOLUME (M3): 624.43

VOLUME (M3): 581.35

VOLUME (M3): 660.17

VOLUME (M3): 659.39

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

Sample ID	Cubic Meter	Volume (L)
PM020723-01	733.53	733530
TSP020723-02	662.19	662190
PM020723-03	1766.12	1766120
TSP020723-04	1763.05	1763050
PM020723-05	1758.12	1758120
TSP020723-06	1675.61	1675610
PM020723-07	1755.91	1755910
TSP020723-08	1764.22	1764220
PM020723-09	1756.63	1756630
TSP020723-10	1685.86	1685860
PM020723-11	1799.81	1799810
TSP020723-12	1805.97	1805970
PM020723-13	624.43	624430
TSP020723-14	581.35	581350
PM020723-15	660.17	660170
TSP020723-16	659.39	659390
		0
		0
		0

Level 2 QA/QC Summary Report

Work Order #: B088009 Report Date: 4/3/2023

Batch ID: ICP230329B

Blank Spike	e Results		Percent F	Recovery	,		
QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit
LCS ICP2	BLKSPK	Copper	89.0	91.0	75-125	1.0	25
LCS ICP2	BLKSPK	Lead	90.0	91.0	75-125	1.0	25
LCS ICP2	BLKSPK	Manganese	86.0	87.0	75-125	1.0	25
-							

Method Bla	nk Results				
QC ID	QC Type	Parameter	Result	LOD	Units
LMB ICP2	LMB	Copper	< 98	98	ug
LMB ICP2	LMB	Lead	< 14	14	ug
LMB ICP2	LMB	Manganese	< 98	98	ug

April 12, 2023

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

Laboratory Workorder ID: B096073

Client Project ID: J310000400 PARCEL E HUNTERS PT

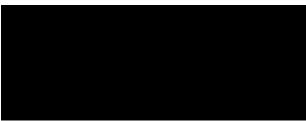
Received: April 6, 2023 Reported: April 12, 2023

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: B096073-202304124107



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: 04/06/23

1501 W. FOUNTAINHEAD PKWY, Attention: #550

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

1 LIVII L, AZ 03202		·	O Number	3310000400-010	,		Chefit i Tojout	PT PT
Lab ID: B096073001 Sample	PM020223-01 AMSE1			Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	3/28/2023 6:36:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates	40CFR50 App.J	04/07/23	1742860 L	1000 ug			30400 ug	17 ug/M3
Lab ID: B096073002 Sample	DID: TSP020223-02 AMSE1			Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	3/28/2023 6:36:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Suspended Particulates	40CFR50 App.B	04/07/23	1655430 L	1000 ug			59000 ug	36 ug/M3
Copper	40CFR50App.G Mod./EPA 6010B	04/12/23	1655430 L	98.0 ug			1170 ug	0.7068 ug/M3
Lead	40CFR50App.G Mod./EPA 6010B	04/12/23	1655430 L	14.0 ug			< 14 ug	< 0.0085 ug/M3
Manganese	40CFR50App.G Mod./EPA 6010B	04/12/23	1655430 L	98.0 ug			< 98 ug	< 0.0592 ug/M3
Lab ID: B096073003 Sample	PM020223-03 AMSE2			Media: 8	3X10 PREWEIGH	IED GLASS	Sample Date:	3/28/2023 6:30:00 AM
Analyte	Method	Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 Particulates	40CFR50 App.J	04/07/23	1758050 L	1000 ug			14600 ug	8 ug/M3

Lab ID:	DID: B096073004 Sample ID: TSP020223-04 AMSE2					Media: 8>	(10 PREWEIGH	IED GLASS	Sample Date:	3/28/2023 6:30:00 AM	
Analyte	•		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Total Su	uspended Partic	ulates	40CFR50 App.E	3	04/07/23	1767560 L	1000 ug			21600 ug	12 ug/M3
Copper			40CFR50App.G 6010B	Mod./EPA	04/12/23	1767560 L	98.0 ug			245 ug	0.1386 ug/M3
Lead			40CFR50App.G 6010B	Mod./EPA	04/12/23	1767560 L	14.0 ug			< 14 ug	< 0.0079 ug/M3
Mangan	nese		40CFR50App.G 6010B	Mod./EPA	04/12/23	1767560 L	98.0 ug			< 98 ug	< 0.0554 ug/M3
Lab ID:	B096073005	Sample ID:	PM020223-09	AMSE1			Media: 8>	(10 PREWEIGH	IED GLASS	Sample Date:	3/30/2023 2:25:00 PM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
PM10 P	articulates		40CFR50 App.		04/07/23	555530 L	1000 ug			4100 ug	7 ug/M3
Lab ID:	B096073006	Sample ID:	TSP020223-10	AMSE1			Media: 8>	(10 PREWEIGH	IED GLASS	Sample Date:	3/30/2023 2:25:00 PM
Analyte)		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
	s uspended Partic	ulates	Method 40CFR50 App.E	3	•	Volume 528000 L		Front	Rear	Total 8200 ug	Concentration 16 ug/M3
	uspended Partic	ulates			Date		Limit	Front	Rear		
Total Su	uspended Partic	ulates	40CFR50 App.E 40CFR50App.G	Mod./EPA	Date 04/07/23	528000 L	Limit 1000 ug	Front	Rear	8200 ug	16 ug/M3

Lab ID: B096073007	Sample ID:	PM020223-11	AMSE2			Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	3/30/2023 2:14:00 PM
				Analysis		Reporting				
Analyte		Method		Date	Volume	Limit	Front	Rear	Total	Concentration
PM10 Particulates		40CFR50 App.J		04/07/23	553020 L	1000 ug			2700 ug	5 ug/M3
Lab ID: B096073008	Sample ID:	TSP020223-12	AMSE2			Media: 8X	10 PREWEIG	HED GLASS	Sample Date:	3/30/2023 2:14:00 PM
				Analysis		Reporting				
Analyte		Method		Analysis Date	Volume	Reporting Limit	Front	Rear	Total	Concentration
Analyte Total Suspended Partic	ulates	Method 40CFR50 App.B	,	•	Volume 557330 L		Front	Rear	Total 8400 ug	Concentration 15 ug/M3
	ulates			Date		Limit	Front	Rear		
Total Suspended Partic	ulates	40CFR50 App.B 40CFR50App.G	Mod./EPA	Date 04/07/23	557330 L	Limit 1000 ug	Front	Rear	8400 ug	15 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:: B096073-202304124107

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

COC# KT040423AIRE



	ject Name: Hunters Point S	nipyara,	Parcel E RA F	nase 2		Lat	orat	ory: E	URU	FINS	BUIL	_I E	NVIH	CONMENT TESTING ANAL	YTICS, ASF	ILAND,	VA		arcel E Phase 2 Air
Pro	ject Number: J310000400	mary 111		and the same of th		PO	C: S	tepha	nie S	timps	on S	teph	anie.	Stimson@ET.EurofinsUS.c	om		The second	Monitori	ng
WE	S Code: J310000400-016			w. II		Shi	p to:	1032	9 Sto	ny Ru	ın La	ne, /	Ashla	ind, VA 23005					
	nments:				I Analytical Test Method	r PM1	N0500 - Air TSP	:W6010B - Air Pb Mn Cu		*		3		Code Matrix A Air Code Container/Preservat 1 1x Envelope, None	ve	12			Page 1 of 4 ² 2 45 4 3
	Event: Parcel E Phase 2 Air	Monitorin	g			1	1	1						Programme action					
	Sample ID	Matrix	Date	Time	Samp Init.	No.				WINE STATE				Location ID	Sample Type		(ft bgs) Bottom	Cooler	Comments
1	PM020223-01	Α	03/28/2023	063%		Х			1		\neg			AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	TSP020223-02	A	03/28/2023	0636			Х	Х	T	4	1/3	/		AMSE1	N1	0.00	0.00	1	VOLUME (M3):
2	PM020223-03	Α	03/28/2023	0630		X			Τ	19	Y	12	3	AMSE2	N1	0.00	0.00	1	VOLUME (M3):
3																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier / Airbill Number
	4/3/23	1401)	Feder	4/3/23	1400	Shipping Date: 4/4/2023 / FEDEX / 7716 5904 7053
FERM	4/4/23	10:27		16/23	1543	
						Received by Laboratory: (Signature, Date, Time) & condition
						10.27

GES.Navy_COC_Field March 24, 2023 not present we

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

COC# KT040423AIRE



bwomack@ges-ar	is.com									AN ASSIC SUCURITIONS, COMPANIES	
Project Name: Hunters Point Shipyard, Parcel E RA Phase 2				: EUR	ROFIN	Event: Parcel E Phase 2 Air					
Project Number: J310000400 WBS Code: J310000400-016			POC: Stephanie Stimpson Stephanie.Stimson@ET.EurofinsUS.com							Monitoring	
			o: 10	329 S	Stony	Run La	ane, A	shlan	id, VA 23005		
Comments:	lethod		Mn Cu	11		X	/		Code Matrix A Air Code Container/Preservative 1 1x Envelope, None	Page 2 of 4 15 2.	
Equipment:	ical	CAAIR - Air PM10	B B	1 1							
Event: Parcel E Phase 2 Air Monitoring		1 1	1								
	Samp				1				Sample Depth (ft bg	(s)	

048

Sample ID Matrix Date Time Init. Top - Bottom Location ID Type Cooler Comments PM020223-09 A 1425 AMSE1 VOLUME (M3): 03/30/2023 N1 0.00 0.00 TSP020223-10 AMSE1 Α 03/30/2023 Х X N1 0.00 0.00 1 VOLUME (M3): PM020223-11 Α AMSE2 0.00 0.00 1 VOLUME (M3): 03/30/2023 N1 TSP020223-12 Α 412 AMSE2 0.00 0.00 VOLUME (M3): 03/30/2023 N1 **Turnaround Time: 5 days**

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Shipping Date / Carrier
	4/3/23	1400	Fedex	4/3/23	1400	Shipping Date: 4/4/2023
GALA	4/4/23	10:27		416123	1543	
Your	11.11.		1			Received by Laboratory
			-	-		4/4

Shipping Date / Carrier / Airbill Number
Shipping Date: 4/4/2023 / FEDEX / 7716 5904 7053

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

4/4/23 10:27

GES.Navy_COC_Field March 24, 2023 Custody seals 22.300 pot present gul

COC# KT040423AIRE



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	PM020223-01	Α	03/28/2023	0636	VOLUME (M3): 1742.86
2	TSP020223-02	Α	03/28/2023	0636	VOLUME (M3): 1655.43
3	PM020223-03	Α	03/28/2023	0630	VOLUME (M3): 1758.05
4	TSP020223-04	Α	03/28/2023	0630	VOLUME (M3): 1767.56
5	PM020223-09	Α	03/30/2023	1425	VOLUME (M3): 555.53
6	TSP020223-10	Α	03/30/2023	1425	VOLUME (M3): 528.00
7	PM020223-11	Α	03/30/2023	1414	VOLUME (M3): 553.02
8	TSP020223-12	Α	03/30/2023	1414	VOLUME (M3): 557.33

Sample ID	Cubic Meter	Volume (L)
PM020223-01	1742.86	1742860
TSP020223-02	1655.43	1655430
PM020223-03	1758.05	1758050
TSP020223-04	1767.56	1767560
PM020223-09	555.53	555530
TSP020223-10	528	528000
PM020223-11	553.02	553020
TSP020223-12	557.33	557330
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Sample Condition Checklist

Clie	nt Name : GES - ASRC Industrial									
Ten	perature : 22.3	Sample pH:	NA							
The	rmometer ID : IR4	pH Paper ID :	NA							
Per	servative :				1	1				
	Check Points									
1.	Cooler Seal present and signed.									
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.									
6.	Sample(s) received with signed sample custody seal.									
7.	. Sample containers arrived intact. (If No comment)									
8.	Water Soil Liquid Slo Matrix:	udge Solid Ca	assette Tube Bulk Bad	ge Food Other						
9.	Samples were received in appropriate	container(s)			Х					
10.). Sample(s) were received with Proper preservative									
11.	1. All samples were tagged or labeled.									
12.	2. Sample ID labels match C-O-C ID's.									
13.	3. Bottle count on C-O-C matches bottles found.									
14.	4. Sample volume is sufficient for analyses requested.									
15.	5. Samples were received with in the hold time.									
16.	6. VOA vials completely filled.									
17.	Sample accepted.				Х					
18.	B. Has client been contacted about sub-out									
	Comments : Include actions taken to resolve discrepancies/problem:									
	poler was received, however samples are r lient phone call. Samples were canceled a				se filters	by mis	take			

Received by:		Check in by/date :		/ 04/04/2023
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ab-s005-0321

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

Level 2 QA/QC Summary Report

Work Order #: B096073

Report Date: 4/12/2023

Batch ID: ICP230406B

Blank Spike	e Results		Percent F	Percent Recovery							
QC ID	QC Type	Parameter	LCS	LCSD	Acceptance	RPD	Limit				
LCS ICP2	BLKSPK	Copper	97.0	97.0	75-125	0.0	25				
LCS ICP2	BLKSPK	Lead	92.0	94.0	75-125	2.0	25				
LCS ICP2	BLKSPK	Manganese	94.0	93.0	75-125	0.0	25				
Method Bla	Method Blank Results										

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