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

Interim

Air Sampling Summary Report No. 19

Data Date Range: November 20, 2019 through July 30, 2021
Parcel E Remedial Action—Phase 1

Hunters Point Naval Shipyard, San Francisco, CA

September 2021

Approved for public release: distribution unlimited.

DCN: APTM-2005-0024-0082

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Prepared for:

Department of the Navy
Naval Facilities Engineering Systems Command Southwest
BRAC PMO West
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Acronyms and Abbreviations

APTIM ..... Aptim Federal Services, LLC

DCP ..... dust control plan

EPA ..... U.S. Environmental Protection Agency

NIOSH ..... National Institute for Occupational Safety and Health

PM10 ..... particulate matter larger than 10 microns in size

TSP ..... total suspended particulates

Work Plan ..... *Final Remedial Action Work Plan, Parcel E Remedial Action—Phase 1, Hunters Point Naval Shipyard, San Francisco, California*

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1.0 Introduction

Aptim Federal Services, LLC (APTIM) is providing environmental remediation services to the U.S. Department of the Navy under the Environmental Multiple Award Contract, Contract No. N62473-12-D-2005, Task Order 0024. APTIM is performing air sampling at Hunters Point Naval Shipyard in accordance with the dust control plan (DCP) included in Appendix C of the *Final Remedial Action Work Plan, Parcel E Remedial Action—Phase 1, Hunters Point Naval Shipyard, San Francisco, California* (Work Plan; APTIM, 2019). The DCP describes procedures that minimize dust during work activities and requires air sampling to ensure these procedures are effective. The DCP 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 samples are collected
- What test methods are used to analyze air samples
- How air sampling data are evaluated

This summary report also presents the air sampling analytical results from November 20, 2019 through July 30, 2021 and compares the results with the established action levels included in the Work Plan (APTIM, 2019).

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2.0 Sampling Site Locations

Air sampling stations were mobilized to collect air samples upwind and downwind of work areas for the duration of the project. The predominant wind direction at Hunters Point Naval Shipyard is from the west. Figure 1 shows locations of air sampling stations and wind direction. For the fieldwork conducted during this period, APTIM uses upwind and downwind sampling locations marked as “Air Sampling Station #1 B606 Upwind” near Crisp Road and “Air Sampling Station #2 12A Downwind” in Parcel D-1 near the Finger Piers (Figure 1). Air sampling is being performed to help ensure effective dust control. The locations of the air sampling stations were determined based on the prevailing wind direction and can be modified as needed. A windsock installed onsite is used to show wind direction and weather forecasts are checked daily at www.noaa.gov. Sampling stations remain stationary while sampling is being conducted. Each sampling station includes three separate air sampling systems for the following:

- Total suspended particulates (TSP) and for arsenic, lead, and manganese
- Particulate matter larger than 10 microns in size (PM10)
- Asbestos

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3.0 Analytical Methods

TSP, Arsenic, Lead, and Manganese: TSP samples are collected with a high-volume (39 to 60 cubic feet per minute) air sampler in accordance with U.S. Environmental Protection Agency's (EPA's) reference sampling method for TSP, described in Title 40 Code of Federal Regulations, Part 50, Appendix B. Each sample is collected on a filter over an approximately 8-hour workday period; the filter is then weighed to determine the amount of TSP collected. Once the amount of TSP has been determined, the sample is analyzed for arsenic, lead and manganese in accordance with one of the IO-3 methods identified in the *Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air* (EPA, 1999a). The equipment specifications and sampling procedures used, including the sampling apparatus, filters, equipment accuracy, equipment calibration, and quality assurance checks, all conform to those specified in the analytical method.

PM10: Air samples are collected and analyzed for PM10 in accordance with EPA's reference sampling method for PM10, described in 40 Code of Federal Regulations Part 50, Appendix J. Each sample is collected on a filter over an approximately 8-hour workday period; the filter is then weighed to evaluate the concentrations of PM10 in ambient air.

Asbestos: Air samples are collected and analyzed for asbestos in accordance with the National Institute for Occupational Safety and Health (NIOSH) Method 7400, in the *NIOSH Manual of Analytical Methods* (1994). NIOSH Method 7400 requires that samples be collected on three-piece cellulose ester filters, which are fitted with conductive cowlings, at a sampling rate of between 0.5 liter per minute and 16 liters per minute. NIOSH Method 7400 measures bulk fiber count in the filter and does not differentiate between asbestos and non-asbestos fibers. High total (bulk) fiber exceedances can be re-analyzed using the NIOSH Method 7402, which will identify and differentiate between asbestos and non-asbestos fibers via transmission electron microscopy.

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4.0 Analysis of Air Sampling Data

Analytical results from air sampling samples are compared with the action levels listed in Table 4-1 and in accordance with the Work Plan (APTIM, 2019).

Table 4-1: Air Sampling Action Levels

Test Parameters	Action Level[b]	Basis
PM10 (by air sampling laboratory analysis)	5,000 µg/m^3 (basewide)	Cal/OSHA PEL[a]
TSP	0.5 mg/m^3	Basewide HPNS Level selected to minimize overall permissible dust release from sites
Arsenic	10 µg/m^3	Cal/OSHA PEL
Lead	50 µg/m^3	Cal/OSHA PEL
Manganese	200 µg/m^3	Cal/OSHA PEL
Asbestos	0.1 fiber/cm^3	Cal/OSHA PEL

Notes:
[a] Cal/OSHA PEL for particulates not otherwise regulated (respiratory) used for PM10.
[b] Basewide action levels are from the *Final Basewide Dust Control Plan, Revision 1, Hunters Point Shipyard, San Francisco, California* (TetraTech EC, Inc., 2010).

µg/m^3	micrograms per cubic meter
Cal/OSHA	California Occupational Safety and Health Administration
fiber/cm^3	fibers per cubic centimeter
HPNS	Hunters Point Naval Shipyard
mg/m^3	milligrams per cubic meter
PEL	permissible exposure limit
PM10	particulate matter smaller than 10 microns in diameter
TSP	total suspended particulates

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5.0 Air Sampling Results

The tables included as Attachment 1 present weather information (including ambient pressure and temperature data) and air sampling results. Air sampling data were collected from the upwind sampling station and downwind sampling station, identified in Section 2.0. Attachment 2 includes analytical laboratory results. Table 5-1 lists each interim air sampling report, the dates covered in each report, and if there were anomalies in the sample collection/sample results. If there is an anomaly identified, further clarification is provided.

Table 5-1: Air Sampling Report Summary

Interim Report Number	New Data Date Range	Anomaly Noted (Yes/No)
01	11/20/2019–11/30/2019	Yes
02	12/02/2019–12/31/2019	Yes
03	01/02/2020–01/31/2020	Yes
04	02/03/2020–02/28/2020	Yes
05	03/02/2020–05/22/2020	Yes
06	05/25/2020–06/27/2020	Yes
07	06/27/2020–07/31/2020	Yes
08	08/03/2020–08/28/2020	No
09	08/31/2020–09/25/2020	Yes
10	09/28/2020–10/31/2020	No
11	11/02/2020–11/25/2020	Yes
12	11/30/2020–01/01/2021	Yes
13	01/04/2021-01/29/2021	Yes
14	02/01/2021-02/26/2021	Yes
15	03/01/2021-03/31/2021	Yes
16	04/01/2021-04/30/2021	Yes
17	05/03/2021-05/28/2021	Yes
18	06/01/2021-07/02/2021	Yes
19	7/06/2021-07/30/2021	Yes

5.1 Report 01

Air sampling samples were not collected on November 27, 2019, because rain and/or wet field conditions prohibited earth-moving activities. Due to the Thanksgiving holiday, samples were not collected November 28 and 29, 2019. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.2 Report 02

Air samples were not collected on December 2 to 6 and December 11 to 20, 2019, as no earth-moving activities were conducted. Due to the Christmas holiday, samples were not collected December 25, 2019. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.3 Report 03

Air samples were not collected on January 1 to 2 and January 8 to 31, 2020, as no earth-moving activities were conducted. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.4 Report 04

Air samples were not collected on February 3 to 10 and February 20 to 28, 2020, as no earth-moving activities were conducted. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.5 Report 05

Air samples were not collected from March 2 through April 28, 2020, as no earth-moving activities were conducted. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.6 Report 06

Air samples were not collected on May 25, 2020, as no earth-moving activities were conducted. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.7 Report 07

Air samples were not collected on July 03, 2020, as no earth-moving activities were conducted. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.8 Report 08

Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.9 Report 09

Air samples were not collected on September 07, 2020, as no earth-moving activities were conducted. During the month of September, there were several local fires in the area that may have increased concentration results. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.10 Report 10

Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.11 Report 11

Due to the Thanksgiving holiday, samples were not collected November 26 and 27, 2020. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.12 Report 12

Due to Christmas and New Year's holidays, samples were not collected on December 24 and 25, 2020, and on January 1, 2021. Also, no air samples were collected on December 17, 23, and 28 through 31 as no earth-moving activities were conducted. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.13 Report 13

Due to temporary site shutdown and no earth moving activities from January 4 through January 29, 2021, perimeter air monitoring samples were not collected for PM10, TSP, or metals. Perimeter air monitoring samples for asbestos were collected during this period with the following exceptions; no samples were collected on January 4, 22, 27, and 28, 2021, due to rain. And, no samples were collected on January 18, 2021, due to

the Martin Luther King Jr. holiday. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.14 Report 14

Due to temporary site shutdown and no earth moving activities from February 1 through 8 and February 12 through 26, 2021, perimeter air monitoring samples were not collected for PM10, TSP, or metals. Perimeter air monitoring samples for asbestos were collected during this period except on February 2,15, and 19, 2021, due to rain. Upwind asbestos data is not available for February 25 due to a damaged filter cassette. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.15 Report 15

Due to temporary site shutdown and no earth moving activities from March 1 through March 31, 2021, perimeter air monitoring samples were not collected for PM10, TSP, or metals. Perimeter air monitoring samples for asbestos were collected during this period with the following exceptions; no samples were collected on March 10 and 18, 2021, due to rain. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.16 Report 16

Due to temporary site shutdown and no earth moving activities from April 1 through April 30, 2021, perimeter air monitoring samples were not collected for PM10, TSP, or metals. Only perimeter air monitoring samples for asbestos were collected during this period. On April 20, the downwind Air Sampling Station #2-12A sample indicated a result of 0.114 fibers per cubic centimeter, slightly exceeding the 0.1 fibers per cubic centimeter action level. The sample was submitted to SGS Forensics for re-analysis, which confirmed a high bulk fiber count of 0.110 fibers per cubic centimeter. Because the method being used (NIOSH Method 7400) measures bulk fiber count in the filter and does not differentiate between asbestos and non-asbestos fibers, the sample was also analyzed using the NIOSH Method 7402, which can identify and differentiate between asbestos and non-asbestos fibers via transmission electron microscopy. The result was an asbestos fiber concentration of 0.0006 fibers/cubic centimeter. This indicates that the elevated bulk result reported using NIOSH Method 7400 was due to impurities (non-asbestos fibers) in the sample, not asbestos fibers. It should be noted that on the

day of the exceedance, there were no on-site activities being conducted and the daily average wind speed was 8.6 miles per hour and reached a monthly high of 30 miles per hour around 14:57, with the predominant wind originating from the west. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.17 Report 17

Due to temporary site shutdown and no earth moving activities from May 3 through May 28, 2021, perimeter air monitoring samples were not collected for PM10, TSP, or metals. Only perimeter air monitoring samples for asbestos were collected during this period. Downwind asbestos data is not available for May 19 due to a damaged filter cassette. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.18 Report 18

Due to temporary site shutdown and no earth moving activities from June 1 through July 2, 2021, perimeter air monitoring samples were not collected for PM10, TSP, or metals. Only perimeter air monitoring samples for asbestos were collected during this period except on May 31 due to a company holiday. On June 7, the downwind Air Sampling Station #2-12A sample indicated a result of 0.130 fibers per cubic centimeter, slightly exceeding the 0.1 fibers per cubic centimeter action level. The method used (NIOSH Method 7400) measures bulk fiber count in the filter and does not differentiate between asbestos and non-asbestos fibers, the sample was also analyzed using the NIOSH Method 7402, which can identify and differentiate between asbestos and non-asbestos fibers via transmission electron microscopy. No asbestos fibers were detected by the NIOSH Method 7402 with a result of <0.0022 fibers/cubic centimeter. This indicates that the elevated bulk result reported using NIOSH Method 7400 was due to impurities (non-asbestos fibers) in the sample, not asbestos fibers. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

5.19 Report 19

Due to temporary site shutdown and no earth moving activities from July 6 through July 21, 2021, perimeter air monitoring samples were not collected for PM10, TSP, or metals. Only perimeter air monitoring samples for asbestos were collected during this period; with the exception of July 5 due to a company holiday. Since earth moving

activities resumed on July 22, PM10, TSP, metals and asbestos samples were collected from July 22 to July 30. Air sampling results during this sampling period were below the action levels identified in Table 4-1.

6.0 References

Aptim Federal Services, LLC, 2019, *Final Remedial Action Work Plan, Parcel E Remedial Action—Phase 1, Hunters Point Naval Shipyard, San Francisco, California*, September.

National Institute for Occupational Safety and Health, 1994, *NIOSH Manual of Analytical Methods,* Method 7400, August.

Tetra Tech EC, Inc., 2010, *Final Basewide Dust Control Plan, Revision 1, Hunters Point Naval Shipyard, San Francisco, California*, November 29.

U.S. Environmental Protection Agency (EPA), 1999a, *Compendium of Methods for the Determination of Inorganic Compounds in Ambient Air*.

EPA, 1999b, *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition. Compendium Method TO-4A, Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)*. EPA/625/R-96-010b, Office of Research and Development, January. Available Online at: <http://www.epa.gov/ttnamti1/files/ambient/airtox/to-4ar2r.pdf>.

EPA, 1999c, *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition. Compendium Method TO-13A, Determination of Polycyclic Aromatic Hydrocarbons in Ambient Air Using Gas Chromatography/Mass Spectrometry (GC/MS),* EPA/625/R-96/010b, January. Available Online at: <http://www.epa.gov/ttnamti1/files/ambient/airtox/to-13arr.pdf>.

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FIGURE

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B606 Upwind Dust Monitor #1 - Upwind (See Note 4)

Air Sampling Station #1 - B606Upwind (See Note 4)

Main Parcel E Access Point with Stabilized Construction Entrance (See Note 3)

IR-04 CVOC Plume

Parcel E-2

Prevailing Wind Direction

Access Point to Parcel E-2 (by others)

RCA Control Point (See Note 6)

IR-12A CVOC Plume

IR-12B Benzene Plume

Parcel G

Radiological S3 Screening Area

Mechanical Soil Processing Area

Building 406 (IR-36) CVOC Plume

Air Monitoring Station #2 - Upwind (See Note 4)

Temporary water line to IR-02 Slurry Wall Mix Plant

PARCEL E

FH

B606 Downwind Dust Monitor #1 Downwind (See Note 4)

Air Sampling Station #1 - B606 Downwind (See Note 4)

Potential MPPEH Screening Area

IR-02 NORTHWEST AND CENTRAL TCRA AREA

IR-02 Northwest Nearshore Slurry Wall

Parcel D-1

Dual-access Gate into IR-02 and IR-03 Work Areas (by others)

Turbidity Curtain (See Notes 2 and 3)

Radiological S3 Screening Area

Armored Shoreline Revetment and Concrete Seawall

Hybrid Shoreline Stabilization

IR-02 Slurry Wall Mix Plant Area

Air Sampling Station #2 - 12A Downwind (See Note 4)

IR-03 NAPL treatment and this section of shoreline revetment and hybrid shoreline protection to be performed by others under Phase 2 RA

Hybrid Shoreline Stabilization

SAN FRANCISCO BAY

Turbidity Curtain (See Notes 2 and 3)

Potential MPPEH Screening Area

METAL DEBRIS REEF TCRA AREA

Armored Shoreline Revetment and Concrete Seawall

N

0 400 800 Feet

Notes:

1. Install silt fence and/or straw wattles and sand bags along shoreline during excavation and grading activites within 50 feet of shoreline.

2. Locations of turbidity curtain and bay water quality monitoring will change as project work progresses.

3. Locations of site support features and engineering controls are subject to change based on site conditions as work progresses.

4. Air monitoring will be performed at a minimum of two stations: one upwind and one downwind. Air monitoring locations may change as work progresses.

5. Install filter fabric at all storm drain inlets within 50 feet of planned excavation area and/or directly down slope of excavation area.

6. RCA Control Point Location may change as work progresses.

BMP = Best Management Practices
FH = Fire Hydrant
HFD = Hazardous Fragmentation Distance
MPPEH = Material Potentially Presenting an Explosive Hazard
RA = Remedial Action
RCA = Radiological Control Area
S3 = Soil Sorting System
TCRA = Time Critical Removal Action

References:

1. Construction Engineering Services (CES), LLC, 2018
Design Basis Report, Parcel E, Hunters Point Naval Shipyard, San Francisco, California

2.TetraTech, 2010.
Final Material Potentially Presenting an Explosive Hazard Processing and Removal Completion Report, June

- Fire Hydrant
- Air Monitoring Station
- Building 606 Real-time Dust Monitor
- Temporary Water Line
- Existing Fence for Perimeter Control
- Planned Fence for Radiological Control
- Existing Fence for Radiological Control
- Approximate Location of Turbidity Curtain (See Note 2)
- Fuel Line to be Closed in Place or Removed (Phase 1 RA)
- Steam Line to be Closed in Place or Removed (Phase 1 RA)
- Planned Upland Excavation Area (Phase 1 RA)
- Planned Shoreline Excavation Area (Phase 3 RA)
- Nearshore Slurry Wall (Phase 3 RA)
- Planned Armored Shoreline Revetment (Phase 3 RA)
- Planned Hybrid Shoreline Stabilization (Phase 3 RA)
- Planned Armored Shoreline Revetment (Phase 2 RA)
- Planned Hybrid Shoreline Stabilization (Phase 2 RA)
- Radiologically Impacted Area
- Radiological S3 Screening Area
- Potential MPPEH Screening Area
- Mechanical Soil Processing Area
- IR-02 Slurry Wall Mix Plant Area
- Existing Radiological Screening Pad to be used for Soil and Debris Stockpile Areas (Phase 1 & 3)
- Existing Radiological Screening Pads (C1-C3) to be used during Phase 3 RA
- Debris and Soil Stockpile Areas to be Constructed (Phases 1 and 3 RA)
- Potential Additional Excavation Area to Remove Methane Generating Debris (if present - Phase 1 RA)
- Planned Soil Vapor Extraction Area within Building 406 (Phase 1 RA)
- IR-03 Mobile NAPL Treatment Zone (by others - Phase 2 RA)
- IR-03 Shoreline Excavation Area (by others - Phase 2 RA)
- Groundwater Plume (Phase 1 RA)
- Previous Parcel E TCRA Areas (2005-2007) where MPPEH was encountered (TetraTech, 2010)
- Existing Building
- Parcel E Boundary
- Other HPNS Parcel Boundaries
- Non-Navy Property
- Primary Parcel E Access Roads and Vehicle Haul Routes

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FIGURE 1
CONSTRUCTION SITE LAYOUT AND AIR MONITORING LOCATION MAP

REMEDIAL ACTION PHASES 1 AND 3 IN PARCEL E
HUNTERS POINT NAVAL SHIPYARD, SAN FRANCISCO, CA

G:\HUNTERS_PT\GIS_Documents\Project_Maps\E_CTO24\HP_E_117_ConstructionSiteLayout.mxd 2/10/2020

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ATTACHMENT 1
AIR SAMPLING RESULTS

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Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
20-Nov-19	30.24	8.7
21-Nov-19	30.24	11.2
22-Nov-19	30.30	15.1
25-Nov-19	30.22	11.2
26-Nov-19	30.20	12.3
27-Nov-19	30.12	13.9
28-Nov-19	30.02	12.7
29-Nov-19	30.12	17.6
2-Dec-19	30.18	12.7
3-Dec-19	30.19	13.1
4-Dec-19	30.03	12.2
5-Dec-19	30.14	12.7
6-Dec-19	30.08	14.3
9-Dec-19	30.27	11.6
10-Dec-19	30.32	12.2
11-Dec-19	30.29	12.8
12-Dec-19	30.36	14.9
13-Dec-19	30.33	12.9
16-Dec-19	30.42	10.4
17-Dec-19	30.30	10.6
18-Dec-19	30.17	11.5
19-Dec-19	30.30	12.5
20-Dec-19	30.30	11.2
23-Dec-19	29.99	9.6
24-Dec-19	30.00	9.8
25-Dec-19	29.92	10.0
26-Dec-19	30.07	10.6
27-Dec-19	30.16	10.1
30-Dec-19	30.23	11.1
31-Dec-19	30.23	11.4
1-Jan-20	30.24	11.7
2-Jan-20	30.23	12.1
3-Jan-20	30.32	11.1
6-Jan-20	30.57	10.5
7-Jan-20	30.37	10.3
8-Jan-20	30.21	11.2
9-Jan-20	30.28	10.8
10-Jan-20	30.40	9.7
13-Jan-20	30.29	10.6

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
14-Jan-20	30.33	10.4
15-Jan-20	30.23	9.0
16-Jan-20	30.17	9.1
17-Jan-20	30.39	9.1
20-Jan-20	30.12	10.3
21-Jan-20	30.23	11.9
22-Jan-20	30.33	11.8
23-Jan-20	30.31	12.0
24-Jan-20	30.25	12.7
27-Jan-20	30.48	11.9
28-Jan-20	30.42	12.1
29-Jan-20	30.36	11.8
30-Jan-20	30.32	12.9
31-Jan-20	30.39	13.3
3-Feb-20	30.25	9.2
4-Feb-20	30.37	10.3
5-Feb-20	30.35	10.3
6-Feb-20	30.26	12.2
7-Feb-20	30.23	11.4
10-Feb-20	30.11	15.4
11-Feb-20	30.14	17.0
12-Feb-20	30.12	13.1
13-Feb-20	30.18	10.3
14-Feb-20	30.21	11.4
17-Feb-20	30.20	15.7
18-Feb-20	30.12	13.5
19-Feb-20	30.20	11.7
20-Feb-20	30.21	13.6
21-Feb-20	30.16	15.2
24-Feb-20	30.46	12.7
25-Feb-20	30.35	16.2
26-Feb-20	30.40	12.5
27-Feb-20	30.31	16.6
28-Feb-20	30.20	13.8
2-Mar-20	30.00	15.8
3-Mar-20	30.00	15.4
4-Mar-20	30.10	14.9
5-Mar-20	30.10	13.1
6-Mar-20	30.00	12.4

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
9-Mar-20	30.10	13.4
10-Mar-20	30.00	15.7
11-Mar-20	30.00	15.0
12-Mar-20	29.90	12.9
13-Mar-20	29.80	12.7
16-Mar-20	29.90	9.3
17-Mar-20	29.90	9.4
18-Mar-20	29.90	10.8
19-Mar-20	30.00	11.8
20-Mar-20	30.20	12.2
23-Mar-20	30.10	11.7
24-Mar-20	30.10	11.2
25-Mar-20	30.10	10.3
26-Mar-20	30.10	10.4
27-Mar-20	30.10	11.7
30-Mar-20	30.30	13.1
31-Mar-20	30.20	13.3
1-Apr-20	30.00	12.3
2-Apr-20	30.10	11.6
3-Apr-20	30.00	11.5
6-Apr-20	29.90	8.7
7-Apr-20	30.10	10.2
8-Apr-20	29.90	12.8
9-Apr-20	30.00	13.8
10-Apr-20	30.00	13.9
13-Apr-20	30.10	13.4
14-Apr-20	30.20	16.0
15-Apr-20	30.00	14.9
16-Apr-20	29.90	13.0
17-Apr-20	29.90	13.6
20-Apr-20	30.10	13.8
21-Apr-20	30.20	13.4
22-Apr-20	30.30	14.9
23-Apr-20	30.20	15.3
24-Apr-20	30.10	16.4
27-Apr-20	30.10	15.4
28-Apr-20	30.10	15.3
29-Apr-20	30.00	14.2
30-Apr-20	30.10	13.8

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
1-May-20	30.10	14.8
4-May-20	30.10	14.4
5-May-20	30.10	14.5
6-May-20	30.10	15.9
7-May-20	29.90	17.1
8-May-20	29.90	15.7
11-May-20	29.90	15.3
12-May-20	30.00	14.9
13-May-20	30.00	15.3
14-May-20	30.10	16.2
15-May-20	30.10	15.2
18-May-20	29.90	14.9
19-May-20	30.00	15.3
20-May-20	30.10	14.9
21-May-20	30.00	15.3
22-May-20	29.90	14.6
25-May-20	29.90	19.6
26-May-20	29.90	21.9
27-May-20	29.90	18.4
28-May-20	29.90	14.9
29-May-20	29.90	16.2
1-Jun-20	30.00	16.5
2-Jun-20	30.00	20.4
3-Jun-20	29.90	20.4
4-Jun-20	29.80	18.3
5-Jun-20	29.80	14.7
8-Jun-20	30.20	16.7
9-Jun-20	30.10	17.9
10-Jun-20	30.00	17.1
11-Jun-20	30.00	17.1
12-Jun-20	30.10	15.6
13-Jun-20	30.10	16.2
15-Jun-20	30.00	16.4
16-Jun-20	30.00	15.7
17-Jun-20	30.00	13.8
18-Jun-20	29.69	25.2
19-Jun-20	29.71	19.0
22-Jun-20	29.74	19.8
23-Jun-20	29.71	19.4
24-Jun-20	29.65	19.9

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
25-Jun-20	29.63	19.4
26-Jun-20	29.68	19.1
27-Jun-20	29.65	17.0
28-Jun-20	29.54	15.9
29-Jun-20	29.68	16.3
30-Jun-20	29.71	16.6
1-Jul-20	29.62	15.4
2-Jul-20	29.82	19.4
3-Jul-20	29.82	15.2
4-Jul-20	29.82	17.2
7-Jul-20	29.75	16.3
8-Jul-20	29.68	15.8
9-Jul-20	29.71	16.6
10-Jul-20	29.80	14.9
13-Jul-20	29.67	14.6
14-Jul-20	29.71	16.0
15-Jul-20	29.70	16.2
16-Jul-20	29.70	15.8
17-Jul-20	29.75	16.6
20-Jul-20	29.80	15.2
21-Jul-20	29.70	15.7
22-Jul-20	29.64	16.8
23-Jul-20	29.70	15.5
24-Jul-20	29.72	14.9
27-Jul-20	29.72	15.3
28-Jul-20	29.72	15.1
29-Jul-20	29.73	15.3
30-Jul-20	29.80	15.4
31-Jul-20	29.82	16.0
3-Aug-20	30.01	17.3
4-Aug-20	29.97	16.9
5-Aug-20	29.95	16.3
6-Aug-20	29.90	17.2
7-Aug-20	29.92	17.8
10-Aug-20	29.90	17.2
11-Aug-20	29.92	17.7
12-Aug-20	29.91	16.8
13-Aug-20	29.90	19.7
14-Aug-20	29.86	24.6
17-Aug-20	29.93	19.7
18-Aug-20	29.94	20.5

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
19-Aug-20	29.91	19.4
20-Aug-20	29.88	16.9
21-Aug-20	29.85	18.9
24-Aug-20	29.83	17.1
25-Aug-20	29.86	16.9
26-Aug-20	29.85	15.1
27-Aug-20	29.82	15.0
28-Aug-20	29.81	15.4
31-Aug-20	29.83	16.2
1-Sep-20	29.94	16.7
2-Sep-20	30.03	17.0
3-Sep-20	30.03	15.9
4-Sep-20	29.99	17.1
7-Sep-20	29.78	24.4
8-Sep-20	29.68	17.6
9-Sep-20	29.83	16.2
10-Sep-20	30.00	16.6
11-Sep-20	30.00	16.3
14-Sep-20	30.00	16.4
15-Sep-20	30.05	18.2
16-Sep-20	30.02	20.0
17-Sep-20	29.97	18.4
18-Sep-20	29.99	19.2
21-Sep-20	29.91	17.4
22-Sep-20	30.03	17.8
23-Sep-20	30.07	18.8
24-Sep-20	30.03	18.7
25-Sep-20	30.01	17.8
28-Sep-20	29.95	24.6
29-Sep-20	30.05	16.3
30-Sep-20	30.09	20.3
1-Oct-20	30.01	22.1
2-Oct-20	30.00	19.3
5-Oct-20	30.06	14.7
6-Oct-20	30.03	14.2
7-Oct-20	29.99	14.1
8-Oct-20	30.00	15.4
9-Oct-20	30.01	15.8
12-Oct-20	30.03	17.4
13-Oct-20	30.13	19.4
14-Oct-20	30.11	22.2

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
15-Oct-20	30.03	24.1
16-Oct-20	30.00	25.4
19-Oct-20	30.02	16.2
20-Oct-20	29.93	17.5
21-Oct-20	29.86	17.6
22-Oct-20	29.90	15.7
23-Oct-20	30.01	15.2
24-Oct-20	30.02	14.8
26-Oct-20	30.15	17.7
27-Oct-20	30.12	18.5
28-Oct-20	30.12	16.2
29-Oct-20	30.10	15.6
30-Oct-20	30.10	13.6
31-Oct-20	30.12	15.4
2-Nov-20	30.12	16.5
3-Nov-20	30.13	13.5
4-Nov-20	30.24	16.4
5-Nov-20	30.10	16.9
6-Nov-20	29.83	13.4
7-Nov-20	29.77	12.1
9-Nov-20	30.21	11.2
10-Nov-20	30.26	11.4
11-Nov-20	30.13	12.3
12-Nov-20	30.13	11.6
13-Nov-20	30.17	12.2
14-Nov-20	30.30	12.0
16-Nov-20	30.06	15.1
17-Nov-20	29.94	14.9
18-Nov-20	30.11	14.9
19-Nov-20	30.32	12.3
20-Nov-20	30.29	12.6
21-Nov-20	30.22	11.9
23-Nov-20	30.08	12.4
24-Nov-20	30.16	11.6
25-Nov-20	30.25	12.1
30-Nov-20	30.31	10.8
1-Dec-20	30.24	10.9
2-Dec-20	30.16	12.3
3-Dec-20	30.29	11.9
4-Dec-20	30.29	11.6
7-Dec-20	30.22	15.4

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
8-Dec-20	30.19	12.8
9-Dec-20	30.11	12.6
10-Dec-20	30.10	12.2
11-Dec-20	30.20	11.0
14-Dec-20	30.32	10.1
15-Dec-20	30.37	10.6
16-Dec-20	30.24	11.5
17-Dec-20	30.11	12.1
18-Dec-20	30.35	11.0
21-Dec-20	30.14	9.9
22-Dec-20	30.22	10.7
23-Dec-20	30.28	11.2
28-Dec-20	29.92	10.1
29-Dec-20	30.28	10.1
30-Dec-20	30.35	9.9
31-Dec-20	30.23	11.2
4-Jan-21	30.19	12.3
5-Jan-21	30.31	9.8
6-Jan-21	30.28	9.3
7-Jan-21	30.26	10.8
8-Jan-21	30.32	11.1
11-Jan-21	30.29	10.6
12-Jan-21	30.35	11.3
13-Jan-21	30.41	12.9
14-Jan-21	30.37	12.7
15-Jan-21	30.33	13.4
19-Jan-21	30.02	14.8
20-Jan-21	30.14	12.9
21-Jan-21	30.10	9.6
22-Jan-21	29.95	10.1
25-Jan-21	29.89	8.3
26-Jan-21	29.92	7.4
27-Jan-21	29.78	10.1
28-Jan-21	29.79	9.9
29-Jan-21	29.98	9.3
1-Feb-21	30.06	12.1
2-Feb-21	30.17	11.8
3-Feb-21	30.28	10.1
4-Feb-21	30.30	11.2
5-Feb-21	30.25	10.7
8-Feb-21	30.02	10.1

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
9-Feb-21	30.08	11.4
10-Feb-21	30.15	11.6
11-Feb-21	30.10	10.9
12-Feb-21	30.09	11.6
15-Feb-21	30.14	11.9
16-Feb-21	30.21	10.7
17-Feb-21	30.26	11.4
18-Feb-21	30.38	11.5
19-Feb-21	30.36	10.9
22-Feb-21	30.32	13.9
23-Feb-21	30.18	15.7
24-Feb-21	30.23	14.5
25-Feb-21	30.29	13.3
26-Feb-21	30.20	11.4
1-Mar-21	29.88	10.9
2-Mar-21	29.70	10.2
3-Mar-21	29.62	9.6
4-Mar-21	29.99	10.6
5-Mar-21	29.91	11.6
8-Mar-21	29.95	10.2
9-Mar-21	29.86	9.4
10-Mar-21	29.71	8.6
11-Mar-21	29.85	8.6
12-Mar-21	29.94	10.2
15-Mar-21	29.81	8.7
16-Mar-21	29.84	8.1
17-Mar-21	29.88	9.3
18-Mar-21	29.86	10.9
19-Mar-21	29.94	11.2
22-Mar-21	29.94	10.6
23-Mar-21	29.85	13.7
24-Mar-21	29.79	10.9
25-Mar-21	29.61	10.3
26-Mar-21	29.82	11.5
29-Mar-21	30.03	11.9
30-Mar-21	30.07	16.8
31-Mar-21	30.12	18.1
1-Apr-21	30.01	16.2
2-Apr-21	30.06	11.3
5-Apr-21	30.12	10.8
6-Apr-21	30.12	10.7

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
7-Apr-21	30.22	10.5
8-Apr-21	30.22	11.0
9-Apr-21	30.17	10.3
12-Apr-21	29.90	10.1
13-Apr-21	29.91	10.8
14-Apr-21	30.00	11.4
15-Apr-21	30.10	10.9
16-Apr-21	30.08	10.0
19-Apr-21	30.14	11.1
20-Apr-21	29.96	11.8
21-Apr-21	29.93	11.2
22-Apr-21	30.01	11.5
23-Apr-21	30.06	11.9
26-Apr-21	29.98	11.4
27-Apr-21	30.07	12.9
28-Apr-21	30.22	15.2
29-Apr-21	30.26	12.5
30-Apr-21	30.20	12.2
3-May-21	29.98	16.7
4-May-21	30.00	16.1
5-May-21	29.99	13.0
6-May-21	30.11	11.6
7-May-21	30.09	13.9
10-May-21	29.92	16.2
11-May-21	29.96	13.4
12-May-21	30.05	11.9
13-May-21	30.09	11.2
14-May-21	30.01	10.8
17-May-21	30.11	11.4
18-May-21	30.12	12.9
19-May-21	30.04	12.1
20-May-21	30.08	12.1
21-May-21	30.05	11.0
24-May-21	30.15	12.2
25-May-21	30.12	12.7
26-May-21	30.12	12.5
27-May-21	30.15	11.7
28-May-21	30.09	11.8
1-Jun-21	30.00	13.7
2-Jun-21	29.99	12.7
3-Jun-21	2992.00	14.5

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Date	Ambient Pressure (in Hg)	Ambient Temperature (°C)
4-Jun-21	30.00	12.8
7-Jun-21	29.95	13.8
8-Jun-21	30.10	13.5
9-Jun-21	30.24	14.5
10-Jun-21	30.27	14.0
11-Jun-21	30.15	15.3
14-Jun-21	30.11	17.5
15-Jun-21	30.12	20.3
16-Jun-21	30.04	19.0
17-Jun-21	29.85	21.5
18-Jun-21	29.77	17.7
21-Jun-21	29.98	16.7
22-Jun-21	29.96	18.1
23-Jun-21	29.99	16.9
24-Jun-21	30.07	16.2
25-Jun-21	30.05	14.0
28-Jun-21	29.87	14.7
29-Jun-21	29.86	15.3
30-Jun-21	29.94	14.9
1-Jul-21	29.97	15.8
2-Jul-21	29.98	15.6
6-Jul-21	30.07	14.3
7-Jul-21	29.99	8.5
8-Jul-21	29.90	5.3
9-Jul-21	29.95	7.2
12-Jul-21	29.97	8.8
13-Jul-21	29.97	7.9
14-Jul-21	29.99	5.8
15-Jul-21	30.05	8.7
16-Jul-21	30.00	6.2
19-Jul-21	30.07	7.8
20-Jul-21	30.08	7.6
21-Jul-21	30.00	9.1
22-Jul-21	30.02	7.6
23-Jul-21	30.05	7.9
26-Jul-21	29.98	7.8
27-Jul-21	30.03	6.7
28-Jul-21	30.08	6.9
29-Jul-21	29.99	8.5
30-Jul-21	29.99	9.2

Attachment 1, Table 1: Ambient Pressure and Temperature Monitoring Results

Notes:

Ambient pressure and ambient temperature data were gathered from the Wunderground weather website (www.wunderground.com).

Ambient pressure and ambient temperature data were gathered from the Ambient Weather website (www.ambientweather.net) starting August 3, 2020. Data were collected from KSFO, San Francisco, San Francisco International Airport and the APTIM on-site MET Station.

°C - degrees Celsius

in Hg - inches of mercury

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
20-Nov-19	Upwind	9.8	0.076	No	0.096	No	<0.016	No	0.050	No
20-Nov-19	Downwind	9.9	0.072	No	0.130	No	<0.016	No	0.022	No
21-Nov-19	Upwind	7.5	0.071	No	0.148	No	<0.016	No	0.050	No
21-Nov-19	Downwind	7.5	0.041	No	0.164	No	<0.016	No	<0.016	No
22-Nov-19	Upwind	8.8	0.060	No	0.122	No	0.023	No	0.203	No
22-Nov-19	Downwind	8.8	0.045	No	0.142	No	<0.016	No	<0.016	No
25-Nov-19	Upwind	8.9	0.052	No	0.116	No	<0.016	No	0.051	No
25-Nov-19	Downwind	8.7	0.043	No	0.127	No	<0.016	No	<0.016	No
26-Nov-19	Upwind	7.4	0.038	No	0.145	No	<0.016	No	<0.016	No
26-Nov-19	Downwind	7.5	0.024	No	0.122	No	<0.016	No	<0.016	No
27-Nov-19	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
27-Nov-19	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
28-Nov-19	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
28-Nov-19	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
29-Nov-19	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
29-Nov-19	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
2-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Dec-19	Upwind	4.3	0.080	No	0.074	No	0.191	No	0.144	No
9-Dec-19	Downwind	4.1	0.105	No	<0.016	No	0.190	No	<0.016	No
10-Dec-19	Upwind	9.4	0.077	No	<0.016	No	0.056	No	0.099	No
10-Dec-19	Downwind	9.4	0.069	No	<0.016	No	0.064	No	<0.016	No
11-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
17-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Dec-19	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Dec-19	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Dec-19	Upwind	7.5	0.028	No	0.095	No	0.069	No	0.294	No
23-Dec-19	Downwind	7.5	0.013	No	0.083	No	0.050	No	0.063	No
24-Dec-19	Upwind	6.8	0.016	No	0.082	No	0.082	No	0.087	No
24-Dec-19	Downwind	6.9	0.018	No	0.090	No	0.090	No	0.060	No
25-Dec-19	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
25-Dec-19	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
26-Dec-19	Upwind	7.433	0.009	No	0.118	No	0.078	No	0.053	No
26-Dec-19	Downwind	7.5	<0.016	No	0.1	No	0.047	No	0.042	No
27-Dec-19	Upwind	7.517	0.019	No	0.049	No	0.036	No	0.054	No
27-Dec-19	Downwind	7.667	0.011	No	0.119	No	0.065	No	0.046	No
30-Dec-19	Upwind	7.317	<0.016	No	0.076	No	0.089	No	0.055	No
30-Dec-19	Downwind	7.3	0.007	No	0.1	No	0.065	No	0.046	No
31-Dec-19	Upwind	7.067	0.010	No	0.128	No	0.080	No	0.130	No
31-Dec-19	Downwind	7.1	0.0	No	0.1	No	0.1	No	0.0	No
1-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Jan-20	Upwind	7.6	0.039	No	<0.016	No	<0.016	No	0.040	No
3-Jan-20	Downwind	7.6	0.024	No	0.050	No	0.044	No	0.054	No
6-Jan-20	Upwind	7.6	0.022	No	<0.016	No	<0.016	No	0.030	No
6-Jan-20	Downwind	7.6	0.017	No	<0.016	No	<0.016	No	0.017	No
7-Jan-20	Upwind	7.9	0.019	No	<0.016	No	<0.016	No	0.015	No
7-Jan-20	Downwind	8.0	0.016	No	<0.016	No	<0.016	No	0.016	No
8-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
14-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Jan-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Jan-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
10-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Feb-20	Upwind	7.2	0.029	No	<0.016	No	<0.016	No	0.0203	No
11-Feb-20	Downwind	7.2	0.042	No	<0.016	No	<0.016	No	<0.016	No
12-Feb-20	Upwind	5.5	0.023	No	<0.016	No	0.0396	No	<0.016	No
12-Feb-20	Downwind	5.6	0.032	No	<0.016	No	<0.016	No	<0.016	No
13-Feb-20	Upwind	5.3	0.018	No	<0.016	No	<0.016	No	<0.016	No
13-Feb-20	Downwind	5.1	0.015	No	<0.016	No	<0.016	No	<0.016	No
14-Feb-20	Upwind	7.8	0.010	No	<0.016	No	<0.016	No	<0.016	No
14-Feb-20	Downwind	7.7	0.008	No	<0.016	No	<0.016	No	<0.016	No
17-Feb-20	Upwind	7.7	0.013	No	<0.016	No	<0.016	No	0.1849	No
17-Feb-20	Downwind	7.6	0.007	No	<0.016	No	0.0284	No	<0.016	No
18-Feb-20	Upwind	7.0	0.008	No	<0.016	No	<0.016	No	<0.016	No
18-Feb-20	Downwind	7.1	0.012	No	<0.016	No	<0.016	No	<0.016	No
19-Feb-20	Upwind	3.8	0.018	No	<0.016	No	0.0560	No	<0.016	No
19-Feb-20	Downwind	3.9	<0.016	No	<0.016	No	<0.016	No	<0.016	No
20-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
9-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Mar-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Mar-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
3-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Apr-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Apr-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Apr-20	Upwind	9.5	0.0090	No	<0.016	No	<0.016	No	<0.016	No
29-Apr-20	Downwind	9.4	0.0394	No	<0.016	No	<0.016	No	0.0363	No
30-Apr-20	Upwind	9.5	0.0188	No	<0.016	No	0.0240	No	0.0150	No
30-Apr-20	Downwind	9.6	0.0699	No	<0.016	No	0.0351	No	0.0519	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
1-May-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-May-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-May-20	Upwind	9.6	0.0223	No	<0.016	No	<0.016	No	0.0136	No
4-May-20	Downwind	9.6	0.0049	No	<0.016	No	<0.016	No	0.0410	No
5-May-20	Upwind	9.5	0.0428	No	<0.016	No	<0.016	No	0.0225	No
5-May-20	Downwind	9.4	0.0568	No	<0.016	No	0.0226	No	0.0351	No
6-May-20	Upwind	9.6	0.0226	No	<0.016	No	0.0215	No	0.0141	No
6-May-20	Downwind	9.5	0.0507	No	<0.016	No	0.0247	No	0.0322	No
7-May-20	Upwind	9.4	0.0543	No	<0.016	No	0.0429	No	0.0334	No
7-May-20	Downwind	9.5	0.0541	No	<0.016	No	0.0390	No	0.0336	No
8-May-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-May-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-May-20	Upwind	9.7	0.0356	No	<0.016	No	<0.016	No	0.0344	No
11-May-20	Downwind	9.6	0.0315	No	<0.016	No	0.0	No	0.0238	No
12-May-20	Upwind	9.6	0.0181	No	<0.016	No	<0.016	No	0.0135	No
12-May-20	Downwind	9.5	0.0239	No	<0.016	No	<0.016	No	0.0159	No
13-May-20	Upwind	9.6	0.0179	No	<0.016	No	<0.016	No	0.0187	No
13-May-20	Downwind	9.5	0.0131	No	<0.016	No	<0.016	No	<0.016	No
14-May-20	Upwind	9.5	0.0123	No	<0.016	No	<0.016	No	0.0144	No
14-May-20	Downwind	9.5	0.0101	No	<0.016	No	<0.016	No	0.0144	No
15-May-20	Upwind	9.4	0.0289	No	<0.016	No	<0.016	No	0.0146	No
15-May-20	Downwind	9.4	0.0206	No	<0.016	No	<0.016	No	0.0129	No
18-May-20	Upwind	9.7	0.0146	No	<0.016	No	<0.016	No	0.0093	No
18-May-20	Downwind	9.7	0.0220	No	<0.016	No	0.020	No	0.0258	No
19-May-20	Upwind	9.6	0.0342	No	<0.016	No	0.022	No	0.0176	No
19-May-20	Downwind	9.6	0.0137	No	<0.016	No	0.022	No	0.0153	No
20-May-20	Upwind	9.6	0.0266	No	<0.016	No	<0.016	No	0.0136	No
20-May-20	Downwind	9.5	0.0221	No	<0.016	No	<0.016	No	0.0139	No
21-May-20	Upwind	9.6	0.0393	No	<0.016	No	<0.016	No	0.0217	No
21-May-20	Downwind	9.7	0.0266	No	<0.016	No	0.019	No	0.0153	No
22-May-20	Upwind	9.5	0.0216	No	<0.016	No	0.019	No	0.0128	No
22-May-20	Downwind	9.5	0.0232	No	<0.016	No	<0.016	No	0.0154	No
25-May-20	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
25-May-20	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
26-May-20	Upwind	9.7	0.0485	No	<0.027	No	0.019	No	<0.0091	No
26-May-20	Downwind	9.6	0.0332	No	<0.028	No	<0.018	No	<0.0092	No
27-May-20	Upwind	9.6	0.0478	No	<0.028	No	<0.018	No	<0.0092	No
27-May-20	Downwind	9.5	0.0427	No	<0.028	No	<0.018	No	<0.0092	No
28-May-20	Upwind	9.6	0.0229	No	<0.028	No	<0.018	No	<0.0092	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
28-May-20	Downwind	9.5	0.0265	No	<0.028	No	<0.019	No	<0.0093	No
29-May-20	Upwind	9.5	0.0341	No	<0.028	No	<0.019	No	0.0105	No
29-May-20	Downwind	9.5	0.0158	No	<0.028	No	<0.019	No	<0.0093	No
30-May-20	Upwind	7.5	0.0340	No	<0.035	No	<0.023	No	<0.0117	No
30-May-20	Downwind	7.4	0.0280	No	<0.036	No	<0.024	No	<0.0119	No
1-Jun-20	Upwind	7.6	0.0532	No	<0.035	No	<0.023	No	<0.0116	No
1-Jun-20	Downwind	7.6	0.0407	No	<0.035	No	<0.023	No	<0.0116	No
2-Jun-20	Upwind	7.6	0.0991	No	<0.035	No	<0.023	No	<0.0208	No
2-Jun-20	Downwind	7.6	0.0564	No	<0.035	No	<0.023	No	<0.0117	No
3-Jun-20	Upwind	8.6	0.0917	No	<0.031	No	<0.021	No	0.0202	No
3-Jun-20	Downwind	7.6	0.0924	No	<0.035	No	<0.023	No	<0.026	No
4-Jun-20	Upwind	7.5	0.1180	No	<0.035	No	<0.029	No	0.0440	No
4-Jun-20	Downwind	7.5	0.0364	No	<0.035	No	<0.023	No	0.0117	No
5-Jun-20	Upwind	9.8	0.0302	No	<0.027	No	0.029	No	0.0090	No
5-Jun-20	Downwind	9.7	0.0255	No	<0.027	No	<0.018	No	<0.0091	No
8-Jun-20	Upwind	9.7	0.0443	No	<0.027	No	<0.018	No	<0.0091	No
8-Jun-20	Downwind	9.8	0.0295	No	<0.027	No	<0.018	No	<0.0090	No
9-Jun-20	Upwind	9.7	0.0478	No	<0.027	No	<0.018	No	<0.0091	No
9-Jun-20	Downwind	9.8	0.0335	No	<0.027	No	<0.018	No	<0.0090	No
10-Jun-20	Upwind	9.8	0.0438	No	<0.027	No	<0.018	No	<0.0091	No
10-Jun-20	Downwind	9.8	0.0323	No	<0.027	No	<0.018	No	<0.0091	No
11-Jun-20	Upwind	9.6	0.0328	No	<0.027	No	<0.018	No	<0.0092	No
11-Jun-20	Downwind	9.8	0.0201	No	<0.027	No	<0.018	No	<0.0091	No
12-Jun-20	Upwind	9.5	0.0370	No	<0.028	No	<0.019	No	<0.0138	No
12-Jun-20	Downwind	9.6	0.0154	No	<0.028	No	<0.018	No	<0.0092	No
13-Jun-20	Upwind	9.7	0.0561	No	<0.027	No	<0.018	No	<0.0428	No
13-Jun-20	Downwind	9.7	0.0451	No	<0.027	No	<0.018	No	<0.0431	No
15-Jun-20	Upwind	9.8	0.0436	No	<0.027	No	<0.018	No	0.0208	No
15-Jun-20	Downwind	9.8	0.0325	No	<0.027	No	<0.018	No	0.0174	No
17-Jun-20	Upwind	9.6	0.0580	No	<0.028	No	<0.018	No	0.0370	No
17-Jun-20	Downwind	9.7	0.0331	No	<0.027	No	<0.018	No	0.0232	No
18-Jun-20	Upwind	9.7	0.0753	No	<0.027	No	<0.018	No	0.0418	No
18-Jun-20	Downwind	9.7	0.0625	No	<0.027	No	<0.018	No	0.0343	No
19-Jun-20	Upwind	9.8	0.0531	No	<0.027	No	<0.018	No	0.0275	No
19-Jun-20	Downwind	9.8	0.0380	No	<0.027	No	<0.018	No	0.0237	No
20-Jun-20	Upwind	9.8	0.0421	No	<0.027	No	<0.018	No	0.0406	No
20-Jun-20	Downwind	9.8	0.0171	No	<0.027	No	<0.018	No	0.0107	No
22-Jun-20	Upwind	9.6	0.0468	No	<0.028	No	<0.018	No	0.0359	No
22-Jun-20	Downwind	9.7	0.0335	No	<0.027	No	<0.018	No	0.0229	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
23-Jun-20	Upwind	9.7	0.0375	No	<0.027	No	<0.018	No	0.0281	No
23-Jun-20	Downwind	9.7	0.0273	No	<0.027	No	<0.018	No	0.0216	No
24-Jun-20	Upwind	9.7	0.0344	No	<0.027	No	<0.018	No	0.0206	No
24-Jun-20	Downwind	9.7	0.0297	No	<0.027	No	<0.018	No	0.0228	No
25-Jun-20	Upwind	9.7	0.0354	No	<0.027	No	<0.018	No	0.0251	No
25-Jun-20	Downwind	9.7	0.0201	No	<0.027	No	<0.018	No	0.0126	No
26-Jun-20	Upwind	9.6	0.0305	No	<0.027	No	<0.018	No	0.0108	No
26-Jun-20	Downwind	9.7	0.0229	No	<0.027	No	<0.018	No	0.0130	No
27-Jun-20	Upwind	9.7	0.0741	No	<0.027	No	0.028	No	0.0620	No
27-Jun-20	Downwind	9.5	0.0352	No	<0.027	No	<0.018	No	0.0162	No
29-Jun-20	Upwind	9.5	0.0615	No	<0.028	No	0.0112	No	0.0204	No
29-Jun-20	Downwind	9.6	0.0491	No	<0.028	No	0.0135	No	0.0167	No
30-Jun-20	Upwind	9.1	0.0622	No	<0.029	No	0.0147	No	0.0275	No
30-Jun-20	Downwind	9.0	0.0449	No	<0.029	No	0.0159	No	0.0163	No
1-Jul-20	Upwind	9.2	0.0665	No	<0.029	No	0.0173	No	0.0385	No
1-Jul-20	Downwind	9.3	0.0353	No	<0.029	No	0.0073	No	0.0152	No
2-Jul-20	Upwind	9.6	0.0279	No	<0.028	No	0.0183	No	0.0167	No
2-Jul-20	Downwind	9.3	0.0166	No	<0.028	No	0.0197	No	0.0240	No
3-Jul-20	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
3-Jul-20	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
6-Jul-20	Upwind	9.1	0.1110	No	0.02330	No	0.0190	No	<0.038	No
6-Jul-20	Downwind	9.1	0.0630	No	<0.029	No	0.0078	No	<0.010	No
7-Jul-20	Upwind	9.7	0.0460	No	<0.027	No	0.0088	No	<0.009	No
7-Jul-20	Downwind	9.7	0.0287	No	<0.027	No	0.0092	No	<0.009	No
8-Jul-20	Upwind	9.8	0.0690	No	<0.027	No	0.0130	No	<0.009	No
8-Jul-20	Downwind	9.5	0.0329	No	<0.028	No	0.0112	No	<0.009	No
9-Jul-20	Upwind	9.4	0.0462	No	<0.028	No	<0.019	No	<0.009	No
9-Jul-20	Downwind	9.4	0.0366	No	0.01090	No	<0.019	No	<0.009	No
10-Jul-20	Upwind	9.2	0.0302	No	<0.029	No	0.0069	No	<0.010	No
10-Jul-20	Downwind	9.1	0.0566	No	<0.029	No	0.0107	No	<0.010	No
13-Jul-20	Upwind	8.5	0.1370	No	<0.031	No	0.0312	No	0.1264	No
13-Jul-20	Downwind	8.4	0.0434	No	<0.031	No	0.0210	No	0.0107	No
14-Jul-20	Upwind	9.1	0.0612	No	<0.029	No	0.0092	No	0.0470	No
14-Jul-20	Downwind	8.8	0.0351	No	<0.030	No	0.0200	No	0.0090	No
15-Jul-20	Upwind	9.3	0.0497	No	<0.028	No	0.0050	No	0.0177	No
15-Jul-20	Downwind	8.8	0.0385	No	<0.030	No	0.0200	No	0.0157	No
16-Jul-20	Upwind	9.1	0.0486	No	<0.029	No	0.0194	No	0.0224	No
16-Jul-20	Downwind	8.9	0.0458	No	<0.030	No	0.0198	No	0.0262	No
17-Jul-20	Upwind	9.6	0.0380	No	<0.028	No	0.0073	No	0.0148	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
17-Jul-20	Downwind	9.2	0.0280	No	0.02386	No	0.0191	No	0.0235	No
20-Jul-20	Upwind	9.3	Note 4	NA	0.01086	No	0.0200	No	0.0218	No
20-Jul-20	Downwind	8.9	Note 4	NA	<0.03	No	0.0185	No	0.0178	No
21-Jul-20	Upwind	9.5	Note 4	NA	<0.028	No	0.0076	No	0.0143	No
21-Jul-20	Downwind	9.1	Note 4	NA	<0.029	No	0.0277	No	0.0321	No
22-Jul-20	Upwind	8.6	Note 4	NA	<0.031	No	0.0294	No	0.0795	No
22-Jul-20	Downwind	9.1	Note 4	NA	<0.029	No	0.0309	No	0.0159	No
23-Jul-20	Upwind	9.7	Note 4	NA	0.01198	No	0.0266	No	0.0233	No
23-Jul-20	Downwind	9.7	Note 4	NA	<0.028	No	0.0125	No	0.0225	No
24-Jul-20	Upwind	9.8	Note 4	NA	<0.027	No	0.0217	No	0.0904	No
24-Jul-20	Downwind	9.3	Note 4	NA	<0.028	No	0.0166	No	0.0268	No
27-Jul-20	Upwind	9.8	0.0361	No	0.01000	No	0.0145	No	0.0172	No
27-Jul-20	Downwind	9.3	0.0398	No	0.01500	No	0.0201	No	0.0315	No
28-Jul-20	Upwind	9.7	0.0447	No	<0.027	No	0.0236	No	0.0274	No
28-Jul-20	Downwind	9.4	0.0250	No	0.03300	No	0.0206	No	0.0155	No
29-Jul-20	Upwind	9.7	0.0313	No	0.01500	No	0.0116	No	0.0180	No
29-Jul-20	Downwind	9.4	0.0276	No	<0.028	No	0.0201	No	0.0176	No
30-Jul-20	Upwind	9.8	0.0314	No	<0.027	No	0.0196	No	0.0147	No
30-Jul-20	Downwind	9.4	0.0212	No	0.01052	No	0.0167	No	0.0142	No
31-Jul-20	Upwind	9.7	0.0364	No	<0.027	No	0.0159	No	0.0136	No
31-Jul-20	Downwind	9.3	0.0215	No	0.02626	No	0.0226	No	0.0127	No
3-Aug-20	Upwind	9.7	0.0569	No	<0.027	No	0.0242	No	0.0280	No
3-Aug-20	Downwind	9.3	0.0883	No	<0.028	No	0.0463	No	0.0599	No
4-Aug-20	Upwind	9.5	0.0503	No	<0.028	No	0.0358	No	0.0278	No
4-Aug-20	Downwind	9.2	0.0458	No	<0.029	No	0.0359	No	0.0195	No
5-Aug-20	Upwind	9.7	0.0741	No	<0.027	No	0.0346	No	0.0357	No
5-Aug-20	Downwind	9.3	0.0391	No	<0.029	No	0.0299	No	0.0208	No
6-Aug-20	Upwind	9.7	0.0499	No	<0.027	No	0.0310	No	0.0235	No
6-Aug-20	Downwind	9.3	0.0452	No	<0.028	No	0.0388	No	0.0223	No
7-Aug-20	Upwind	9.6	0.0669	No	<0.028	No	0.0349	No	0.0192	No
7-Aug-20	Downwind	9.3	0.0756	No	<0.029	No	0.0270	No	0.0239	No
10-Aug-20	Upwind	8.8	0.0539	No	0.01631	No	0.0352	No	0.0537	No
10-Aug-20	Downwind	8.5	0.0568	No	0.01513	No	0.0312	No	0.0573	No
11-Aug-20	Upwind	9.8	0.0395	No	0.00994	No	0.0346	No	0.0578	No
11-Aug-20	Downwind	9.4	0.0224	No	<0.028	No	0.0374	No	0.0244	No
12-Aug-20	Upwind	9.8	0.0373	No	0.03365	No	0.0235	No	0.0231	No
12-Aug-20	Downwind	9.4	0.0347	No	<0.028	No	0.0287	No	0.0320	No
13-Aug-20	Upwind	9.8	0.0598	No	<0.027	No	0.0373	No	0.0341	No
13-Aug-20	Downwind	9.5	0.0590	No	<0.028	No	0.0300	No	0.0363	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
14-Aug-20	Upwind	9.8	0.0708	No	0.01277	No	0.0534	No	0.0521	No
14-Aug-20	Downwind	9.4	0.0519	No	0.01341	No	0.0391	No	0.0361	No
17-Aug-20	Upwind	4.9	0.0731	No	<0.054	No	0.0240	No	0.0811	No
17-Aug-20	Downwind	4.7	0.0371	No	<0.057	No	0.0327	No	0.0619	No
18-Aug-20	Upwind	8.2	0.0663	No	<0.032	No	0.0184	No	0.0764	No
18-Aug-20	Downwind	7.8	0.0748	No	<0.034	No	0.0301	No	0.0789	No
19-Aug-20	Upwind	10.7	0.0899	No	<0.025	No	0.0225	No	0.1014	No
19-Aug-20	Downwind	10.3	0.1090	No	<0.026	No	0.0236	No	0.1175	No
20-Aug-20	Upwind	10.7	0.0447	No	<0.025	No	<0.017	No	0.0510	No
20-Aug-20	Downwind	10.3	0.0382	No	<0.026	No	0.0066	No	0.0439	No
21-Aug-20	Upwind	10.7	0.0430	No	<0.025	No	0.0083	No	0.0322	No
21-Aug-20	Downwind	10.4	0.0608	No	<0.026	No	0.0063	No	0.0427	No
24-Aug-20	Upwind	7.4	0.1020	No	0.02400	No	<0.024	No	0.0637	No
24-Aug-20	Downwind	7.5	0.0918	No	0.01659	No	0.0187	No	0.0719	No
25-Aug-20	Upwind	7.6	0.0846	No	<0.035	No	0.0069	No	0.0541	No
25-Aug-20	Downwind	8.3	0.0744	No	<0.032	No	0.0122	No	0.0519	No
26-Aug-20	Upwind	9.7	0.0438	No	<0.027	No	0.0160	No	0.0560	No
26-Aug-20	Downwind	9.4	0.0307	No	<0.028	No	0.0073	No	0.1356	No
27-Aug-20	Upwind	7.6	0.0710	No	0.02188	No	0.0124	No	0.0689	No
27-Aug-20	Downwind	7.2	0.0374	No	<0.037	No	<0.026	No	0.0424	No
28-Aug-20	Upwind	9.8	0.0917	No	<0.027	No	0.0125	No	0.0352	No
28-Aug-20	Downwind	9.4	0.1080	No	<0.028	No	0.0142	No	0.0590	No
31-Aug-20	Upwind	8.8	0.0670	No	<0.030	No	<0.020	No	0.0245	No
31-Aug-20	Downwind	8.4	0.0790	No	<0.031	No	<0.021	No	0.0382	No
1-Sep-20	Upwind	7.9	0.0804	No	0.0127	No	<0.023	No	0.0380	No
1-Sep-20	Downwind	8.4	0.0673	No	<0.0315	No	<0.021	No	0.0407	No
2-Sep-20	Upwind	8.8	0.0528	No	<0.03	No	<0.019	No	0.0287	No
2-Sep-20	Downwind	8.4	0.0782	No	<0.031	No	<0.021	No	0.0334	No
3-Sep-20	Upwind	8.4	0.0485	No	<0.031	No	<0.021	No	0.0263	No
3-Sep-20	Downwind	8.0	0.0398	No	<0.033	No	<0.022	No	0.0298	No
4-Sep-20	Upwind	10.1	0.0463	No	0.01608	No	<0.018	No	0.0263	No
4-Sep-20	Downwind	9.8	0.0366	No	<0.027	No	<0.018	No	0.0151	No
7-Sep-20	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
7-Sep-20	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
8-Sep-20	Upwind	9.8	0.1370	No	<0.027	No	0.0056	No	0.3248	No
8-Sep-20	Downwind	9.5	0.1690	No	<0.028	No	0.0239	No	0.5864	No
9-Sep-20	Upwind	5.4	0.1670	No	<0.049	No	<0.033	No	1.0838	No
9-Sep-20	Downwind	5.1	0.1950	No	<0.052	No	<0.035	No	1.0651	No
10-Sep-20	Upwind	7.5	0.2340	No	<0.035	No	0.0261	No	0.4716	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
10-Sep-20	Downwind	7.2	0.2130	No	<0.037	No	<0.025	No	0.4823	No
11-Sep-20	Upwind	8.2	0.2230	No	<0.032	No	<0.022	No	0.2054	No
11-Sep-20	Downwind	7.8	0.2540	No	<0.034	No	<0.023	No	0.2066	No
14-Sep-20	Upwind	7.1	0.1830	No	<0.037	No	0.0126	No	0.1464	No
14-Sep-20	Downwind	7.1	0.1500	No	<0.0373	No	<0.025	No	0.0305	No
15-Sep-20	Upwind	6.8	0.0571	No	<0.039	No	<0.026	No	<0.013	No
15-Sep-20	Downwind	7.0	0.0490	No	<0.038	No	0.0102	No	<0.013	No
16-Sep-20	Upwind	7.5	0.0198	No	<0.035	No	<0.024	No	<0.012	No
16-Sep-20	Downwind	7.5	0.0506	No	<0.035	No	<0.024	No	0.0073	No
17-Sep-20	Upwind	7.4	0.0498	No	0.02052	No	<0.024	No	0.0261	No
17-Sep-20	Downwind	7.1	0.0579	No	<0.037	No	<0.025	No	0.0081	No
18-Sep-20	Upwind	9.7	0.0406	No	0.01320	No	<0.018	No	0.0094	No
18-Sep-20	Downwind	9.4	0.0311	No	<0.028	No	<0.019	No	<0.009	No
21-Sep-20	Upwind	9.7	0.0589	No	<0.027	No	<0.018	No	0.0339	No
21-Sep-20	Downwind	9.3	0.0454	No	<0.029	No	<0.019	No	0.0368	No
22-Sep-20	Upwind	9.6	0.0296	No	<0.027	No	<0.018	No	0.0413	No
22-Sep-20	Downwind	9.2	0.0486	No	<0.029	No	0.0095	No	0.0509	No
23-Sep-20	Upwind	9.7	0.0319	No	<0.027	No	0.0053	No	0.0201	No
23-Sep-20	Downwind	9.4	0.0394	No	<0.028	No	0.0075	No	0.0317	No
24-Sep-20	Upwind	9.4	0.1040	No	<0.028	No	0.0105	No	0.0624	No
24-Sep-20	Downwind	9.1	0.0912	No	<0.029	No	0.0130	No	0.0405	No
25-Sep-20	Upwind	9.6	0.0468	No	0.01000	No	0.0071	No	0.0118	No
25-Sep-20	Downwind	9.3	0.0722	No	<0.028	No	<0.019	No	0.0504	No
28-Sep-20	Upwind	7.6	0.1280	No	0.01276	No	<0.023	No	0.3797	No
28-Sep-20	Downwind	7.6	0.1190	No	<0.035	No	0.0174	No	0.3958	No
29-Sep-20	Upwind	7.6	0.0526	No	<0.035	No	0.0244	No	0.0549	No
29-Sep-20	Downwind	7.2	0.0452	No	<0.037	No	0.0169	No	0.0640	No
30-Sep-20	Upwind	7.7	0.0496	No	<0.034	No	0.0135	No	0.0507	No
30-Sep-20	Downwind	7.4	0.0389	No	<0.036	No	0.0121	No	0.0389	No
1-Oct-20	Upwind	7.4	0.0971	No	<0.036	No	0.0158	No	0.1108	No
1-Oct-20	Downwind	7.1	0.0812	No	0.01460	No	0.0116	No	0.0773	No
2-Oct-20	Upwind	7.5	0.1120	No	<0.036	No	0.0101	No	0.0806	No
2-Oct-20	Downwind	7.5	0.1040	No	<0.035	No	0.0109	No	0.0824	No
5-Oct-20	Upwind	7.5	0.0618	No	<0.035	No	0.0131	No	0.0541	No
5-Oct-20	Downwind	7.3	0.0453	No	<0.036	No	0.0102	No	0.0363	No
6-Oct-20	Upwind	7.4	0.0418	No	<0.036	No	0.0079	No	0.0283	No
6-Oct-20	Downwind	7.2	0.0469	No	<0.037	No	0.0085	No	0.0414	No
7-Oct-20	Upwind	7.0	0.0611	No	<0.038	No	<0.025	No	0.0263	No
7-Oct-20	Downwind	6.5	0.0844	No	0.02018	No	0.0170	No	0.0833	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
8-Oct-20	Upwind	7.1	0.0467	No	0.02708	No	0.0116	No	0.0312	No
8-Oct-20	Downwind	7.0	0.0121	No	<0.038	No	0.0433	No	0.1123	No
9-Oct-20	Upwind	7.7	0.0143	No	0.02751	No	<0.023	No	0.0122	No
9-Oct-20	Downwind	7.5	0.0107	No	<0.035	No	0.0118	No	0.0101	No
12-Oct-20	Upwind	7.5	0.0357	No	<0.036	No	<0.024	No	0.0367	No
12-Oct-20	Downwind	7.5	0.0397	No	<0.035	No	<0.024	No	0.0387	No
13-Oct-20	Upwind	7.6	0.0659	No	<0.035	No	0.0202	No	0.0651	No
13-Oct-20	Downwind	7.6	0.0484	No	<0.035	No	0.0115	No	0.0381	No
14-Oct-20	Upwind	7.5	0.0667	No	<0.035	No	0.0112	No	0.0605	No
14-Oct-20	Downwind	7.5	0.0479	No	<0.035	No	0.0180	No	0.0508	No
15-Oct-20	Upwind	7.6	0.1200	No	<0.035	No	0.0191	No	0.1742	No
15-Oct-20	Downwind	7.6	0.3540	No	<0.035	No	0.0268	No	0.1857	No
16-Oct-20	Upwind	7.8	0.1250	No	<0.034	No	0.0350	No	0.2368	No
16-Oct-20	Downwind	7.5	0.0735	No	<0.035	No	0.0186	No	0.1417	No
19-Oct-20	Upwind	7.8	0.0484	No	<0.034	No	0.0068	No	0.0394	No
19-Oct-20	Downwind	7.5	0.0585	No	<0.035	No	0.0138	No	0.0587	No
20-Oct-20	Upwind	7.7	0.0588	No	<0.034	No	0.0080	No	0.0547	No
20-Oct-20	Downwind	7.4	0.0615	No	<0.036	No	0.0236	No	0.0508	No
21-Oct-20	Upwind	19.1	0.0596	No	<0.014	No	0.0083	No	0.0334	No
21-Oct-20	Downwind	19.1	0.0662	No	<0.014	No	0.0154	No	0.0532	No
22-Oct-20	Upwind	18.0	0.0591	No	<0.015	No	0.0047	No	0.0378	No
22-Oct-20	Downwind	18.0	0.0742	No	<0.015	No	0.0167	No	0.0612	No
23-Oct-20	Upwind	17.4	0.0712	No	<0.015	No	0.0107	No	0.0610	No
23-Oct-20	Downwind	17.4	0.0622	No	<0.015	No	0.0032	No	0.0479	No
24-Oct-20	Upwind	4.2	0.0968	No	<0.064	No	0.0182	No	0.0999	No
24-Oct-20	Downwind	5.2	0.0399	No	<0.051	No	<0.034	No	0.0367	No
26-Oct-20	Upwind	7.6	0.1690	No	<0.035	No	0.0237	No	0.3997	No
26-Oct-20	Downwind	7.2	0.1160	No	<0.037	No	0.0104	No	0.3937	No
27-Oct-20	Upwind	7.7	0.1010	No	<0.034	No	0.0176	No	0.1174	No
27-Oct-20	Downwind	7.3	0.0552	No	<0.036	No	<0.024	No	0.1136	No
28-Oct-20	Upwind	7.7	0.2390	No	<0.034	No	0.0356	No	0.3120	No
28-Oct-20	Downwind	7.4	0.1140	No	<0.036	No	0.0087	No	0.1502	No
29-Oct-20	Upwind	12.5	0.1280	No	<0.021	No	0.0121	No	0.1575	No
29-Oct-20	Downwind	12.3	0.0824	No	<0.022	No	0.0072	No	0.1374	No
30-Oct-20	Upwind	17.3	0.0520	No	<0.015	No	0.0090	No	0.0515	No
30-Oct-20	Downwind	17.2	0.0337	No	<0.015	No	0.0038	No	0.0480	No
31-Oct-20	Upwind	7.7	0.0681	No	<0.035	No	0.0246	No	0.1457	No
31-Oct-20	Downwind	7.7	0.0399	No	<0.035	No	<0.023	No	0.0652	No
2-Nov-20	Upwind	15.5	0.1290	No	0.00750	No	0.0199	No	0.1276	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
2-Nov-20	Downwind	15.4	0.0693	No	<0.017	No	0.0164	No	0.0736	No
3-Nov-20	Upwind	17.3	0.0253	No	0.00795	No	0.0046	No	0.0164	No
3-Nov-20	Downwind	17.4	0.0334	No	0.00843	No	0.0043	No	0.0333	No
4-Nov-20	Upwind	18.3	0.0488	No	0.00549	No	0.0133	No	0.0338	No
4-Nov-20	Downwind	18.2	0.0189	No	0.00895	No	0.0065	No	0.0132	No
5-Nov-20	Upwind	19.3	0.0391	No	<0.014	No	0.0106	No	0.0295	No
5-Nov-20	Downwind	19.3	0.0470	No	<0.014	No	0.0092	No	0.0490	No
6-Nov-20	Upwind	17.3	0.0755	No	<0.015	No	0.0147	No	0.0757	No
6-Nov-20	Downwind	20.2	0.0592	No	0.00656	No	0.0080	No	0.0487	No
7-Nov-20	Upwind	21.2	0.0327	No	<0.012	No	0.0026	No	0.0247	No
7-Nov-20	Downwind	21.2	0.0603	No	<0.012	No	0.0114	No	0.0691	No
9-Nov-20	Upwind	12.3	0.0263	No	<0.021	No	0.0079	No	0.0260	No
9-Nov-20	Downwind	12.3	0.0135	No	<0.022	No	<0.014	No	0.0200	No
10-Nov-20	Upwind	12.2	0.0369	No	<0.022	No	<0.014	No	0.0189	No
10-Nov-20	Downwind	12.2	0.0239	No	<1.302	No	<0.868	No	0.5955	No
11-Nov-20	Upwind	12.4	0.0472	No	<0.021	No	<0.014	No	0.0444	No
11-Nov-20	Downwind	12.4	0.0284	No	<0.021	No	<0.014	No	0.0149	No
12-Nov-20	Upwind	12.4	0.0365	No	<0.021	No	<0.014	No	0.0231	No
12-Nov-20	Downwind	12.3	0.0359	No	<0.022	No	<0.014	No	0.0204	No
13-Nov-20	Upwind	6.3	0.0320	No	<0.042	No	<0.028	No	0.0282	No
13-Nov-20	Downwind	5.9	0.0164	No	<0.045	No	<0.029	No	<0.015	No
14-Nov-20	Upwind	12.5	0.0154	No	<0.021	No	<0.014	No	<0.007	No
14-Nov-20	Downwind	12.5	0.0173	No	<0.021	No	<0.014	No	0.0061	No
16-Nov-20	Upwind	7.5	0.0666	No	<0.036	No	0.0164	No	0.0765	No
16-Nov-20	Downwind	7.1	0.0349	No	<0.037	No	<0.025	No	0.0281	No
17-Nov-20	Upwind	2.6	0.1780	No	<0.102	No	0.0435	No	0.0945	No
17-Nov-20	Downwind	3.4	<0.0130	No	<0.078	No	0.0177	No	0.0296	No
18-Nov-20	Upwind	16.5	0.0246	No	<0.016	No	<0.011	No	0.0085	No
18-Nov-20	Downwind	16.7	0.0080	No	<0.016	No	<0.011	No	0.0034	No
19-Nov-20	Upwind	18.9	0.0344	No	<0.014	No	0.0036	No	0.0086	No
19-Nov-20	Downwind	18.8	0.0123	No	<0.014	No	0.0056	No	0.0053	No
20-Nov-20	Upwind	18.8	0.0969	No	<0.014	No	0.0043	No	0.0162	No
20-Nov-20	Downwind	18.7	0.0336	No	<0.014	No	0.0062	No	0.0126	No
21-Nov-20	Upwind	18.2	0.0194	No	<0.014	No	0.0106	No	0.0210	No
21-Nov-20	Downwind	18.1	0.0647	No	<0.014	No	0.0078	No	0.0114	No
23-Nov-20	Upwind	7.3	0.0150	No	<0.036	No	0.0088	No	0.0178	No
23-Nov-20	Downwind	7.3	0.0301	No	<0.036	No	0.0219	No	0.0275	No
24-Nov-20	Upwind	6.8	0.0157	No	<0.039	No	0.0090	No	0.0170	No
24-Nov-20	Downwind	6.8	0.0173	No	<0.039	No	0.0092	No	0.0191	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
25-Nov-20	Upwind	7.5	0.0236	No	<0.035	No	0.0178	No	0.0207	No
25-Nov-20	Downwind	7.4	0.0176	No	<0.036	No	0.0115	No	0.0230	No
26-Nov-20	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
26-Nov-20	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
27-Nov-20	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
27-Nov-20	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
30-Nov-20	Upwind	14.38	0.0507	No	<0.0184	No	0.00906	No	0.0376	No
30-Nov-20	Downwind	14.33	0.0416	No	<0.0185	No	0.0153	No	0.0295	No
1-Dec-20	Upwind	15.83	0.0444	No	<0.0167	No	0.00717	No	0.0344	No
1-Dec-20	Downwind	15.83	0.0366	No	<0.0167	No	0.00804	No	0.0243	No
2-Dec-20	Upwind	15.92	0.111	No	<0.0166	No	0.0188	No	0.0816	No
2-Dec-20	Downwind	15.83	0.0341	No	<0.0167	No	<0.0112	No	0.0176	No
3-Dec-20	Upwind	16.58	0.0711	No	<0.0160	No	0.00531	No	0.0334	No
3-Dec-20	Downwind	16.60	0.131	No	<0.0160	No	0.0202	No	0.114	No
4-Dec-20	Upwind	16.75	0.0666	No	<0.0158	No	0.0101	No	0.0456	No
4-Dec-20	Downwind	16.53	0.0781	No	<0.0160	No	0.00721	No	0.0448	No
5-Dec-20	Upwind	8.07	0.0575	No	0.0173	No	0.00598	No	0.0345	No
5-Dec-20	Downwind	7.80	0.0553	No	<0.0340	No	0.0110	No	0.0398	No
7-Dec-20	Upwind	7.55	0.0758	No	<0.0351	No	0.0139	No	0.109	No
7-Dec-20	Downwind	7.55	0.0688	No	<0.0351	No	0.0337	No	0.0805	No
8-Dec-20	Upwind	7.37	0.0663	No	<0.0359	No	0.0266	No	0.0817	No
8-Dec-20	Downwind	7.33	0.0544	No	<0.0361	No	<0.0241	No	0.0518	No
9-Dec-20	Upwind	7.42	0.147	No	<0.0357	No	0.0389	No	0.130	No
9-Dec-20	Downwind	7.42	0.116	No	<0.0357	No	0.0252	No	0.0930	No
10-Dec-20	Upwind	7.42	0.0926	No	<0.0357	No	0.0155	No	0.0702	No
10-Dec-20	Downwind	7.42	0.0938	No	<0.0357	No	0.0118	No	0.0661	No
11-Dec-20	Upwind	7.25	0.0359	No	<0.0365	No	<0.0244	No	0.0414	No
11-Dec-20	Downwind	7.17	0.190	No	<0.0370	No	0.0359	No	0.234	No
14-Dec-20	Upwind	7.38	0.0136	No	<0.0359	No	<0.0239	No	0.00945	No
14-Dec-20	Downwind	7.32	0.00603	No	<0.0362	No	0.0172	No	0.00794	No
15-Dec-20	Upwind	6.90	0.0119	No	<0.0384	No	<0.0256	No	0.0161	No
15-Dec-20	Downwind	6.78	0.00651	No	<0.0390	No	<0.0260	No	0.0130	No
16-Dec-20	Upwind	7.25	0.0227	No	<0.0365	No	0.0180	No	0.0215	No
16-Dec-20	Downwind	7.08	0.0193	No	<0.0374	No	0.00663	No	0.00989	No
17-Dec-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Dec-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
18-Dec-20	Upwind	7.83	0.0131	No	0.0257	No	<0.0225	No	0.0175	No
18-Dec-20	Downwind	7.50	0.00588	No	<0.0353	No	0.00626	No	0.0113	No
21-Dec-20	Upwind	7.38	0.0351	No	0.0191	No	0.0184	No	0.0245	No
21-Dec-20	Downwind	6.83	0.0254	No	<0.0388	No	<0.0258	No	0.0103	No
22-Dec-20	Upwind	7.32	0.00744	No	<0.0362	No	<0.0241	No	0.0171	No
22-Dec-20	Downwind	7.20	0.00613	No	0.0175	No	<0.0245	No	0.00944	No
23-Dec-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Dec-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Dec-20	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
24-Dec-20	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
25-Dec-20	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
25-Dec-20	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
28-Dec-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Dec-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Dec-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Dec-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Dec-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Dec-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Dec-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Dec-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Jan-21	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
1-Jan-21	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
4-Jan-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
4-Jan-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
5-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
14-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Jan-21	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
18-Jan-21	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
19-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Jan-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
27-Jan-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
28-Jan-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
28-Jan-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
29-Jan-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Jan-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Feb-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
2-Feb-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
3-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Feb-21	Upwind	5.75	0.065	No	<0.046	No	0.0266J	No	0.0555	No
9-Feb-21	Downwind	5.75	0.0202	No	<0.046	No	0.0218J	No	0.0315	No
10-Feb-21	Upwind	6.17	0.0267	No	<0.043	No	0.0129J	No	0.0188	No
10-Feb-21	Downwind	6.45	<0.0068	No	<0.041	No	0.0123J	No	<0.014	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
11-Feb-21	Upwind	4.43	0.0252	No	<0.060	No	0.0269J	No	0.0242	No
11-Feb-21	Downwind	4.68	<0.0094	No	<0.057	No	<0.038	No	0.0198	No
12-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Feb-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
15-Feb-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
16-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Feb-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
19-Feb-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
22-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Feb-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Feb-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Mar-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
10-Mar-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
11-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Mar-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
18-Mar-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
19-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Mar-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Mar-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
7-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Apr-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Apr-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
4-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
26-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-May-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-May-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-May-21	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
31-May-21	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
1-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
18-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
25-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
28-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Jun-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Jun-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
1-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
2-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Jul-21	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
6-Jul-21	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
6-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
8-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
9-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
12-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
19-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jul-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Jul-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Jul-21	Upwind	6.6	0.0970	No	0.0332J	No	0.0256J	No	0.0495	No
22-Jul-21	Downwind	6.6	0.0704	No	<0.0402	No	0.0120J	No	0.0248	No
23-Jul-21	Upwind	8.7	0.0673	No	<0.0304	No	0.0220	No	0.0340	No
23-Jul-21	Downwind	8.7	0.0584	No	0.0182J	No	<0.0204	No	0.0199	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
24-Jul-21	Upwind	3.3	0.0419	No	<0.0803	No	0.0624	No	0.0154J	No
24-Jul-21	Downwind	2.9	0.0375	No	<0.0924	No	0.0211J	No	0.0178J	No
26-Jul-21	Upwind	6.8	0.0580	No	<0.0392	No	<0.0262	No	0.0133	No
26-Jul-21	Downwind	6.8	0.0581	No	<0.0388	No	<0.0258	No	0.0185	No
27-Jul-21	Upwind	7.4	0.0402	No	<0.0356	No	0.0093J	No	0.0163	No
27-Jul-21	Downwind	7.3	0.0489	No	<0.0361	No	0.0331	No	0.0303	No
28-Jul-21	Upwind	7.4	0.0468	No	<0.0357	No	<0.0238	No	0.0264	No
28-Jul-21	Downwind	7.4	0.0686	No	<0.0357	No	0.0075J	No	0.0359	No
29-Jul-21	Upwind	7.2	0.0553	No	<0.0366	No	<0.0244	No	0.0107J	No
29-Jul-21	Downwind	7.2	0.0413	No	<0.0370	No	<0.0246	No	0.0185	No
30-Jul-21	Upwind	7.1	0.0314	No	<0.0371	No	<0.0248	No	0.0095J	No
30-Jul-21	Downwind	7.0	0.0437	No	<0.0378	No	<0.0252	No	0.0238	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Notes:
Note 1: Sample not collected due to inclement conditions: Rain.
Note 2: Samples were not collected as project site was closed for holidays.
Note 3: Samples were not collected as no excavation was conducted.
Sample locations are shown on Figure 1.
Upwind station is located at Air Sampling Station #1; Downwind station is located at Air Sampling Station #2
Prevailing winds come out of the northwest
The action limits are as follows: TSP = 0.5 mg/m^3, arsenic = 10 $\mu g/m^3$, lead = 50 $\mu g/m^3$, manganese = 200 $\mu g/m^3$.
The detection limit for TSP is 0.06 $\mu g/m^3$ assuming a minimum sample volume of 1,600 m^3. The detection limits for arsenic, lead and manganese are 16 ng/m^3 assuming
J - the concentration is an estimated value
$\mu g/m^3$ - microgram per cubic meter
mg/m^3 - milligram per cubic meter
N/A - not applicable
ng/m^3 - nanogram per cubic meter
TSP - total suspended particulates

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
20-Nov-19	Upwind	9.8	43.7	No
20-Nov-19	Downwind	9.9	29.7	No
21-Nov-19	Upwind	7.5	45.5	No
21-Nov-19	Downwind	7.5	33.4	No
22-Nov-19	Upwind	8.8	5.35	No
22-Nov-19	Downwind	8.8	38.8	No
25-Nov-19	Upwind	8.9	31.3	No
25-Nov-19	Downwind	8.7	24.1	No
26-Nov-19	Upwind	7.4	23.1	No
26-Nov-19	Downwind	7.5	16.4	No
27-Nov-19	Upwind	Note 1	Note 1	Note 1
27-Nov-19	Downwind	Note 1	Note 1	Note 1
28-Nov-19	Upwind	Note 2	Note 2	Note 2
28-Nov-19	Downwind	Note 2	Note 2	Note 2
29-Nov-19	Upwind	Note 2	Note 2	Note 2
29-Nov-19	Downwind	Note 2	Note 2	Note 2
2-Dec-19	Upwind	Note 3	Note 3	Note 3
2-Dec-19	Downwind	Note 3	Note 3	Note 3
3-Dec-19	Upwind	Note 3	Note 3	Note 3
3-Dec-19	Downwind	Note 3	Note 3	Note 3
4-Dec-19	Upwind	Note 3	Note 3	Note 3
4-Dec-19	Downwind	Note 3	Note 3	Note 3
5-Dec-19	Upwind	Note 3	Note 3	Note 3
5-Dec-19	Downwind	Note 3	Note 3	Note 3
6-Dec-19	Upwind	Note 3	Note 3	Note 3
6-Dec-19	Downwind	Note 3	Note 3	Note 3
9-Dec-19	Upwind	4.3	3.960	No
9-Dec-19	Downwind	4.1	<0.06	No
10-Dec-19	Upwind	9.4	4.3	No
10-Dec-19	Downwind	9.4	7.5	No
11-Dec-19	Upwind	Note 3	Note 3	Note 3
11-Dec-19	Downwind	Note 3	Note 3	Note 3
12-Dec-19	Upwind	Note 3	Note 3	Note 3
12-Dec-19	Downwind	Note 3	Note 3	Note 3
13-Dec-19	Upwind	Note 3	Note 3	Note 3
13-Dec-19	Downwind	Note 3	Note 3	Note 3
16-Dec-19	Upwind	Note 3	Note 3	Note 3
16-Dec-19	Downwind	Note 3	Note 3	Note 3
17-Dec-19	Upwind	Note 3	Note 3	Note 3
17-Dec-19	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
18-Dec-19	Upwind	Note 3	Note 3	Note 3
18-Dec-19	Downwind	Note 3	Note 3	Note 3
19-Dec-19	Upwind	Note 3	Note 3	Note 3
19-Dec-19	Downwind	Note 3	Note 3	Note 3
20-Dec-19	Upwind	Note 3	Note 3	Note 3
20-Dec-19	Downwind	Note 3	Note 3	Note 3
23-Dec-19	Upwind	7.5	<0.06	No
23-Dec-19	Downwind	7.5	<0.06	No
24-Dec-19	Upwind	6.8	<0.06	No
24-Dec-19	Downwind	6.9	<0.06	No
25-Dec-19	Upwind	Note 2	Note 2	Note 2
25-Dec-19	Downwind	Note 2	Note 2	Note 2
26-Dec-19	Upwind	7.433	<0.06	No
26-Dec-19	Downwind	7.5	<0.06	No
27-Dec-19	Upwind	7.517	<0.06	No
27-Dec-19	Downwind	7.667	<0.06	No
30-Dec-19	Upwind	7.317	<0.06	No
30-Dec-19	Downwind	7.3	<0.06	No
31-Dec-19	Upwind	7.067	<0.06	No
31-Dec-19	Downwind	7.1	10.8	No
1-Jan-20	Upwind	Note 3	Note 3	Note 3
1-Jan-20	Downwind	Note 3	Note 3	Note 3
2-Jan-20	Upwind	Note 3	Note 3	Note 3
2-Jan-20	Downwind	Note 3	Note 3	Note 3
3-Jan-20	Upwind	7.6	<0.06	No
3-Jan-20	Downwind	7.6	18.5	No
6-Jan-20	Upwind	7.6	<0.06	No
6-Jan-20	Downwind	7.6	9.2	No
7-Jan-20	Upwind	7.9	10.4	No
7-Jan-20	Downwind	8.0	7.8	No
8-Jan-20	Upwind	Note 3	Note 3	Note 3
8-Jan-20	Downwind	Note 3	Note 3	Note 3
9-Jan-20	Upwind	Note 3	Note 3	Note 3
9-Jan-20	Downwind	Note 3	Note 3	Note 3
10-Jan-20	Upwind	Note 3	Note 3	Note 3
10-Jan-20	Downwind	Note 3	Note 3	Note 3
13-Jan-20	Upwind	Note 3	Note 3	Note 3
13-Jan-20	Downwind	Note 3	Note 3	Note 3
14-Jan-20	Upwind	Note 3	Note 3	Note 3
14-Jan-20	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
15-Jan-20	Upwind	Note 3	Note 3	Note 3
15-Jan-20	Downwind	Note 3	Note 3	Note 3
16-Jan-20	Upwind	Note 3	Note 3	Note 3
16-Jan-20	Downwind	Note 3	Note 3	Note 3
17-Jan-20	Upwind	Note 3	Note 3	Note 3
17-Jan-20	Downwind	Note 3	Note 3	Note 3
20-Jan-20	Upwind	Note 3	Note 3	Note 3
20-Jan-20	Downwind	Note 3	Note 3	Note 3
21-Jan-20	Upwind	Note 3	Note 3	Note 3
21-Jan-20	Downwind	Note 3	Note 3	Note 3
22-Jan-20	Upwind	Note 3	Note 3	Note 3
22-Jan-20	Downwind	Note 3	Note 3	Note 3
23-Jan-20	Upwind	Note 3	Note 3	Note 3
23-Jan-20	Downwind	Note 3	Note 3	Note 3
24-Jan-20	Upwind	Note 3	Note 3	Note 3
24-Jan-20	Downwind	Note 3	Note 3	Note 3
27-Jan-20	Upwind	Note 3	Note 3	Note 3
27-Jan-20	Downwind	Note 3	Note 3	Note 3
28-Jan-20	Upwind	Note 3	Note 3	Note 3
28-Jan-20	Downwind	Note 3	Note 3	Note 3
29-Jan-20	Upwind	Note 3	Note 3	Note 3
29-Jan-20	Downwind	Note 3	Note 3	Note 3
30-Jan-20	Upwind	Note 3	Note 3	Note 3
30-Jan-20	Downwind	Note 3	Note 3	Note 3
31-Jan-20	Upwind	Note 3	Note 3	Note 3
31-Jan-20	Downwind	Note 3	Note 3	Note 3
3-Feb-20	Upwind	Note 3	Note 3	Note 3
3-Feb-20	Downwind	Note 3	Note 3	Note 3
4-Feb-20	Upwind	Note 3	Note 3	Note 3
4-Feb-20	Downwind	Note 3	Note 3	Note 3
5-Feb-20	Upwind	Note 3	Note 3	Note 3
5-Feb-20	Downwind	Note 3	Note 3	Note 3
6-Feb-20	Upwind	Note 3	Note 3	Note 3
6-Feb-20	Downwind	Note 3	Note 3	Note 3
7-Feb-20	Upwind	Note 3	Note 3	Note 3
7-Feb-20	Downwind	Note 3	Note 3	Note 3
10-Feb-20	Upwind	Note 3	Note 3	Note 3
10-Feb-20	Downwind	Note 3	Note 3	Note 3
11-Feb-20	Upwind	7.2	<0.06	No
11-Feb-20	Downwind	7.2	21.7	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
12-Feb-20	Upwind	5.5	<0.06	No
12-Feb-20	Downwind	5.6	<0.06	No
13-Feb-20	Upwind	5.3	25.0	No
13-Feb-20	Downwind	5.1	<0.06	No
14-Feb-20	Upwind	7.8	<0.06	No
14-Feb-20	Downwind	7.7	<0.06	No
17-Feb-20	Upwind	7.7	<0.06	No
17-Feb-20	Downwind	7.6	<0.06	No
18-Feb-20	Upwind	7.0	<0.06	No
18-Feb-20	Downwind	7.1	14.0	No
19-Feb-20	Upwind	3.8	<0.06	No
19-Feb-20	Downwind	3.9	<0.06	No
20-Feb-20	Upwind	Note 3	Note 3	Note 3
20-Feb-20	Downwind	Note 3	Note 3	Note 3
21-Feb-20	Upwind	Note 3	Note 3	Note 3
21-Feb-20	Downwind	Note 3	Note 3	Note 3
24-Feb-20	Upwind	Note 3	Note 3	Note 3
24-Feb-20	Downwind	Note 3	Note 3	Note 3
25-Feb-20	Upwind	Note 3	Note 3	Note 3
25-Feb-20	Downwind	Note 3	Note 3	Note 3
26-Feb-20	Upwind	Note 3	Note 3	Note 3
26-Feb-20	Downwind	Note 3	Note 3	Note 3
27-Feb-20	Upwind	Note 3	Note 3	Note 3
27-Feb-20	Downwind	Note 3	Note 3	Note 3
28-Feb-20	Upwind	Note 3	Note 3	Note 3
28-Feb-20	Downwind	Note 3	Note 3	Note 3
2-Mar-20	Upwind	Note 3	Note 3	Note 3
2-Mar-20	Downwind	Note 3	Note 3	Note 3
3-Mar-20	Upwind	Note 3	Note 3	Note 3
3-Mar-20	Downwind	Note 3	Note 3	Note 3
4-Mar-20	Upwind	Note 3	Note 3	Note 3
4-Mar-20	Downwind	Note 3	Note 3	Note 3
5-Mar-20	Upwind	Note 3	Note 3	Note 3
5-Mar-20	Downwind	Note 3	Note 3	Note 3
6-Mar-20	Upwind	Note 3	Note 3	Note 3
6-Mar-20	Downwind	Note 3	Note 3	Note 3
9-Mar-20	Upwind	Note 3	Note 3	Note 3
9-Mar-20	Downwind	Note 3	Note 3	Note 3
10-Mar-20	Upwind	Note 3	Note 3	Note 3
10-Mar-20	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
11-Mar-20	Upwind	Note 3	Note 3	Note 3
11-Mar-20	Downwind	Note 3	Note 3	Note 3
12-Mar-20	Upwind	Note 3	Note 3	Note 3
12-Mar-20	Downwind	Note 3	Note 3	Note 3
13-Mar-20	Upwind	Note 3	Note 3	Note 3
13-Mar-20	Downwind	Note 3	Note 3	Note 3
16-Mar-20	Upwind	Note 3	Note 3	Note 3
16-Mar-20	Downwind	Note 3	Note 3	Note 3
17-Mar-20	Upwind	Note 3	Note 3	Note 3
17-Mar-20	Downwind	Note 3	Note 3	Note 3
18-Mar-20	Upwind	Note 3	Note 3	Note 3
18-Mar-20	Downwind	Note 3	Note 3	Note 3
19-Mar-20	Upwind	Note 3	Note 3	Note 3
19-Mar-20	Downwind	Note 3	Note 3	Note 3
20-Mar-20	Upwind	Note 3	Note 3	Note 3
20-Mar-20	Downwind	Note 3	Note 3	Note 3
23-Mar-20	Upwind	Note 3	Note 3	Note 3
23-Mar-20	Downwind	Note 3	Note 3	Note 3
24-Mar-20	Upwind	Note 3	Note 3	Note 3
24-Mar-20	Downwind	Note 3	Note 3	Note 3
25-Mar-20	Upwind	Note 3	Note 3	Note 3
25-Mar-20	Downwind	Note 3	Note 3	Note 3
26-Mar-20	Upwind	Note 3	Note 3	Note 3
26-Mar-20	Downwind	Note 3	Note 3	Note 3
27-Mar-20	Upwind	Note 3	Note 3	Note 3
27-Mar-20	Downwind	Note 3	Note 3	Note 3
30-Mar-20	Upwind	Note 3	Note 3	Note 3
30-Mar-20	Downwind	Note 3	Note 3	Note 3
31-Mar-20	Upwind	Note 3	Note 3	Note 3
31-Mar-20	Downwind	Note 3	Note 3	Note 3
1-Apr-20	Upwind	Note 3	Note 3	Note 3
1-Apr-20	Downwind	Note 3	Note 3	Note 3
2-Apr-20	Upwind	Note 3	Note 3	Note 3
2-Apr-20	Downwind	Note 3	Note 3	Note 3
3-Apr-20	Upwind	Note 3	Note 3	Note 3
3-Apr-20	Downwind	Note 3	Note 3	Note 3
6-Apr-20	Upwind	Note 3	Note 3	Note 3
6-Apr-20	Downwind	Note 3	Note 3	Note 3
7-Apr-20	Upwind	Note 3	Note 3	Note 3
7-Apr-20	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
8-Apr-20	Upwind	Note 3	Note 3	Note 3
8-Apr-20	Downwind	Note 3	Note 3	Note 3
9-Apr-20	Upwind	Note 3	Note 3	Note 3
9-Apr-20	Downwind	Note 3	Note 3	Note 3
10-Apr-20	Upwind	Note 3	Note 3	Note 3
10-Apr-20	Downwind	Note 3	Note 3	Note 3
13-Apr-20	Upwind	Note 3	Note 3	Note 3
13-Apr-20	Downwind	Note 3	Note 3	Note 3
14-Apr-20	Upwind	Note 3	Note 3	Note 3
14-Apr-20	Downwind	Note 3	Note 3	Note 3
15-Apr-20	Upwind	Note 3	Note 3	Note 3
15-Apr-20	Downwind	Note 3	Note 3	Note 3
16-Apr-20	Upwind	Note 3	Note 3	Note 3
16-Apr-20	Downwind	Note 3	Note 3	Note 3
17-Apr-20	Upwind	Note 3	Note 3	Note 3
17-Apr-20	Downwind	Note 3	Note 3	Note 3
20-Apr-20	Upwind	Note 3	Note 3	Note 3
20-Apr-20	Downwind	Note 3	Note 3	Note 3
21-Apr-20	Upwind	Note 3	Note 3	Note 3
21-Apr-20	Downwind	Note 3	Note 3	Note 3
22-Apr-20	Upwind	Note 3	Note 3	Note 3
22-Apr-20	Downwind	Note 3	Note 3	Note 3
23-Apr-20	Upwind	Note 3	Note 3	Note 3
23-Apr-20	Downwind	Note 3	Note 3	Note 3
24-Apr-20	Upwind	Note 3	Note 3	Note 3
24-Apr-20	Downwind	Note 3	Note 3	Note 3
27-Apr-20	Upwind	Note 3	Note 3	Note 3
27-Apr-20	Downwind	Note 3	Note 3	Note 3
28-Apr-20	Upwind	Note 3	Note 3	Note 3
28-Apr-20	Downwind	Note 3	Note 3	Note 3
29-Apr-20	Upwind	9.5	<0.06	No
29-Apr-20	Downwind	9.4	13.9	No
30-Apr-20	Upwind	9.5	5.6	No
30-Apr-20	Downwind	9.6	12.1	No
1-May-20	Upwind	Note 3	Note 3	Note 3
1-May-20	Downwind	Note 3	Note 3	Note 3
4-May-20	Upwind	9.6	15.4	No
4-May-20	Downwind	9.6	27.1	No
5-May-20	Upwind	9.5	10.5	No
5-May-20	Downwind	9.4	26.8	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
6-May-20	Upwind	9.6	11.1	No
6-May-20	Downwind	9.5	33.7	No
7-May-20	Upwind	9.4	22.6	No
7-May-20	Downwind	9.5	43.7	No
8-May-20	Upwind	Note 3	Note 3	Note 3
8-May-20	Downwind	Note 3	Note 3	Note 3
11-May-20	Upwind	9.7	9.4	No
11-May-20	Downwind	9.6	17.4	No
12-May-20	Upwind	9.6	6.8	No
12-May-20	Downwind	9.5	13.1	No
13-May-20	Upwind	9.6	7.7	No
13-May-20	Downwind	9.5	10.8	No
14-May-20	Upwind	9.5	5.9	No
14-May-20	Downwind	9.5	10.4	No
15-May-20	Upwind	9.4	10.6	No
15-May-20	Downwind	9.4	13.7	No
18-May-20	Upwind	9.7	5.9	No
18-May-20	Downwind	9.7	14.9	No
19-May-20	Upwind	9.6	11.0	No
19-May-20	Downwind	9.6	6.5	No
20-May-20	Upwind	9.6	11.7	No
20-May-20	Downwind	9.5	19.0	No
21-May-20	Upwind	9.6	14.8	No
21-May-20	Downwind	9.7	22.0	No
22-May-20	Upwind	9.5	4.8	No
22-May-20	Downwind	9.5	11.1	No
25-May-20	Upwind	Note 2	Note 2	Note 2
25-May-20	Downwind	Note 2	Note 2	Note 2
26-May-20	Upwind	9.7	20.9	No
26-May-20	Downwind	9.6	40.1	No
27-May-20	Upwind	9.6	28.8	No
27-May-20	Downwind	9.5	40.5	No
28-May-20	Upwind	9.6	14.1	No
28-May-20	Downwind	9.5	22.5	No
29-May-20	Upwind	9.5	15.5	No
29-May-20	Downwind	9.5	15.3	No
1-Jun-20	Upwind	7.5	24.4	No
1-Jun-20	Downwind	7.4	30.8	No
2-Jun-20	Upwind	7.6	32.9	No
2-Jun-20	Downwind	7.6	45.9	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
3-Jun-20	Upwind	7.6	49.1	No
3-Jun-20	Downwind	7.6	75.2	No
4-Jun-20	Upwind	8.6	49.9	No
4-Jun-20	Downwind	7.6	86.7	No
5-Jun-20	Upwind	7.5	31.5	No
5-Jun-20	Downwind	7.5	32.3	No
8-Jun-20	Upwind	9.8	20.0	No
8-Jun-20	Downwind	9.7	25.7	No
9-Jun-20	Upwind	9.7	28.3	No
9-Jun-20	Downwind	9.8	35.7	No
10-Jun-20	Upwind	9.7	26.0	No
10-Jun-20	Downwind	9.8	35.0	No
11-Jun-20	Upwind	9.8	24.8	No
11-Jun-20	Downwind	9.8	32.7	No
12-Jun-20	Upwind	9.6	20.9	No
12-Jun-20	Downwind	9.8	22.0	No
13-Jun-20	Upwind	9.5	20.8	No
13-Jun-20	Downwind	9.6	17.3	No
15-Jun-20	Upwind	9.7	27.8	No
15-Jun-20	Downwind	9.7	31.7	No
16-Jun-20	Upwind	9.8	27.4	No
16-Jun-20	Downwind	9.8	31.7	No
17-Jun-20	Upwind	9.6	33.4	No
17-Jun-20	Downwind	9.7	37.7	No
18-Jun-20	Upwind	9.7	50.3	No
18-Jun-20	Downwind	9.7	68.5	No
19-Jun-20	Upwind	9.8	32.3	No
19-Jun-20	Downwind	9.8	40.6	No
20-Jun-20	Upwind	9.8	23.8	No
20-Jun-20	Downwind	9.8	24.7	No
22-Jun-20	Upwind	9.6	34.5	No
22-Jun-20	Downwind	9.7	43.3	No
23-Jun-20	Upwind	9.7	27.3	No
23-Jun-20	Downwind	9.7	33.7	No
24-Jun-20	Upwind	9.7	28.8	No
24-Jun-20	Downwind	9.7	35.6	No
25-Jun-20	Upwind	9.7	27.3	No
25-Jun-20	Downwind	9.7	30.4	No
26-Jun-20	Upwind	9.6	32.8	No
26-Jun-20	Downwind	9.7	36.8	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
27-Jun-20	Upwind	9.7	21.2	No
27-Jun-20	Downwind	9.5	24.0	No
29-Jun-20	Upwind	9.5	41.9	No
29-Jun-20	Downwind	9.6	49.6	No
30-Jun-20	Upwind	9.1	42.9	No
30-Jun-20	Downwind	9.0	100	No
1-Jul-20	Upwind	9.2	55.7	No
1-Jul-20	Downwind	9.3	40.7	No
2-Jul-20	Upwind	9.6	25.9	No
2-Jul-20	Downwind	9.3	26.8	No
6-Jul-20	Upwind	9.1	31.4	No
6-Jul-20	Downwind	9.1	43.1	No
7-Jul-20	Upwind	9.7	29.0	No
7-Jul-20	Downwind	9.7	32.0	No
8-Jul-20	Upwind	9.8	33.7	No
8-Jul-20	Downwind	9.5	32.5	No
9-Jul-20	Upwind	9.4	29.8	No
9-Jul-20	Downwind	9.4	42.5	No
10-Jul-20	Upwind	9.2	10.5	No
10-Jul-20	Downwind	9.1	23.2	No
13-Jul-20	Upwind	6.3	54.3	No
13-Jul-20	Downwind	8.4	168	No
14-Jul-20	Upwind	9.1	62.4	No
14-Jul-20	Downwind	8.8	44.8	No
15-Jul-20	Upwind	9.3	40.2	No
15-Jul-20	Downwind	8.8	39.4	No
16-Jul-20	Upwind	9.1	35.5	No
16-Jul-20	Downwind	8.9	33.0	No
17-Jul-20	Upwind	9.6	28.6	No
17-Jul-20	Downwind	9.2	26.2	No
20-Jul-20	Upwind	9.3	25.4	No
20-Jul-20	Downwind	8.9	23.6	No
21-Jul-20	Upwind	9.5	23.7	No
21-Jul-20	Downwind	9.1	25.9	No
22-Jul-20	Upwind	8.6	13.2	No
22-Jul-20	Downwind	9.1	26.1	No
23-Jul-20	Upwind	9.7	14.4	No
23-Jul-20	Downwind	9.4	30.5	No
24-Jul-20	Upwind	9.8	13.7	No
24-Jul-20	Downwind	9.3	37.5	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
27-Jul-20	Upwind	9.8	17.3	No
27-Jul-20	Downwind	9.3	31.3	No
28-Jul-20	Upwind	9.7	16.1	No
28-Jul-20	Downwind	9.4	27.5	No
29-Jul-20	Upwind	9.7	15.9	No
29-Jul-20	Downwind	9.4	26.1	No
30-Jul-20	Upwind	9.8	15.0	No
30-Jul-20	Downwind	9.4	23.7	No
31-Jul-20	Upwind	9.7	15.0	No
31-Jul-20	Downwind	9.3	26.4	No
3-Aug-20	Upwind	9.7	127	No
3-Aug-20	Downwind	9.3	19.9	No
4-Aug-20	Upwind	9.5	34.4	No
4-Aug-20	Downwind	9.2	39.4	No
5-Aug-20	Upwind	9.7	39.9	No
5-Aug-20	Downwind	9.3	41.8	No
6-Aug-20	Upwind	9.7	32.5	No
6-Aug-20	Downwind	9.3	42.3	No
7-Aug-20	Upwind	9.6	49.1	No
7-Aug-20	Downwind	9.3	65.2	No
10-Aug-20	Upwind	8.8	127.0	No
10-Aug-20	Downwind	8.5	19.9	No
11-Aug-20	Upwind	9.8	34.4	No
11-Aug-20	Downwind	9.4	39.4	No
12-Aug-20	Upwind	9.8	39.9	No
12-Aug-20	Downwind	9.4	41.8	No
13-Aug-20	Upwind	9.8	32.5	No
13-Aug-20	Downwind	9.5	42.3	No
14-Aug-20	Upwind	9.8	49.1	No
14-Aug-20	Downwind	9.4	65.2	No
17-Aug-20	Upwind	4.9	28.3	No
17-Aug-20	Downwind	4.7	33.0	No
18-Aug-20	Upwind	8.2	14.6	No
18-Aug-20	Downwind	7.8	28.9	No
19-Aug-20	Upwind	10.7	20.7	No
19-Aug-20	Downwind	10.3	66.4	No
20-Aug-20	Upwind	10.7	13.1	No
20-Aug-20	Downwind	10.3	15.9	No
21-Aug-20	Upwind	10.7	20.2	No
21-Aug-20	Downwind	10.4	46.3	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 (µg/m^3)	PM10 Exceedance? (Yes/No)
24-Aug-20	Upwind	7.4	37.3	No
24-Aug-20	Downwind	7.5	64.6	No
25-Aug-20	Upwind	7.6	32.1	No
25-Aug-20	Downwind	8.3	58.4	No
26-Aug-20	Upwind	9.7	16.5	No
26-Aug-20	Downwind	9.4	19.5	No
27-Aug-20	Upwind	7.6	27.9	No
27-Aug-20	Downwind	7.2	24.8	No
28-Aug-20	Upwind	9.8	67.4	No
28-Aug-20	Downwind	9.4	98.1	No
31-Aug-20	Upwind	8.8	44.2	No
31-Aug-20	Downwind	8.4	62.5	No
1-Sep-20	Upwind	7.9	46.7	No
1-Sep-20	Downwind	8.4	54.1	No
2-Sep-20	Upwind	8.8	19.3	No
2-Sep-20	Downwind	8.4	28.2	No
3-Sep-20	Upwind	8.4	21.6	No
3-Sep-20	Downwind	8.0	37.0	No
4-Sep-20	Upwind	10.1	20.9	No
4-Sep-20	Downwind	9.8	28.0	No
7-Sep-20	Upwind	Note 2	Note 2	Note 2
7-Sep-20	Downwind	Note 2	Note 2	Note 2
8-Sep-20	Upwind	9.8	49.5	No
8-Sep-20	Downwind	9.5	94.5	No
9-Sep-20	Upwind	5.4	58.9	No
9-Sep-20	Downwind	5.1	95.2	No
10-Sep-20	Upwind	7.5	20.5	No
10-Sep-20	Downwind	7.2	157	No
11-Sep-20	Upwind	8.2	141	No
11-Sep-20	Downwind	7.8	237	No
14-Sep-20	Upwind	7.1	72.9	No
14-Sep-20	Downwind	7.1	137	No
15-Sep-20	Upwind	6.8	49.3	No
15-Sep-20	Downwind	7.0	38.0	No
16-Sep-20	Upwind	7.5	13.7	No
16-Sep-20	Downwind	7.5	19.2	No
17-Sep-20	Upwind	7.4	9.57	No
17-Sep-20	Downwind	7.1	21.7	No
18-Sep-20	Upwind	9.7	9.56	No
18-Sep-20	Downwind	9.4	15.1	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
21-Sep-20	Upwind	9.7	23.2	No
21-Sep-20	Downwind	9.3	42.2	No
22-Sep-20	Upwind	9.6	21.0	No
22-Sep-20	Downwind	9.2	10.2	No
23-Sep-20	Upwind	9.7	11.7	No
23-Sep-20	Downwind	9.4	19.6	No
24-Sep-20	Upwind	9.4	53.5	No
24-Sep-20	Downwind	9.1	50.0	No
25-Sep-20	Upwind	9.6	<4.59	No
25-Sep-20	Downwind	9.3	36.1	No
28-Sep-20	Upwind	7.6	24.1	No
28-Sep-20	Downwind	7.6	52.6	No
29-Sep-20	Upwind	7.6	6.40	No
29-Sep-20	Downwind	7.2	12.3	No
30-Sep-20	Upwind	7.7	16.9	No
30-Sep-20	Downwind	7.4	12.4	No
1-Oct-20	Upwind	7.4	40.1	No
1-Oct-20	Downwind	7.1	69.2	No
2-Oct-20	Upwind	7.5	58.3	No
2-Oct-20	Downwind	7.5	87.3	No
5-Oct-20	Upwind	7.5	17.1	No
5-Oct-20	Downwind	7.3	21.5	No
6-Oct-20	Upwind	7.4	13.6	No
6-Oct-20	Downwind	7.2	20.5	No
7-Oct-20	Upwind	7.0	32.9	No
7-Oct-20	Downwind	6.5	52.6	No
8-Oct-20	Upwind	7.1	24.6	No
8-Oct-20	Downwind	7.0	52.8	No
9-Oct-20	Upwind	7.7	<5.73	No
9-Oct-20	Downwind	7.5	<5.88	No
12-Oct-20	Upwind	7.5	12.8	No
12-Oct-20	Downwind	7.5	25.1	No
13-Oct-20	Upwind	7.6	21.2	No
13-Oct-20	Downwind	7.6	<5.83	No
14-Oct-20	Upwind	7.5	15.5	No
14-Oct-20	Downwind	7.5	65.8	No
15-Oct-20	Upwind	7.6	42.2	No
15-Oct-20	Downwind	7.6	193	No
16-Oct-20	Upwind	7.8	43.4	No
16-Oct-20	Downwind	7.5	37.6	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
19-Oct-20	Upwind	7.8	21.7	No
19-Oct-20	Downwind	7.5	27.0	No
20-Oct-20	Upwind	7.7	34.4	No
20-Oct-20	Downwind	7.4	25.4	No
21-Oct-20	Upwind	19.1	39.1	No
21-Oct-20	Downwind	19.1	40.4	No
22-Oct-20	Upwind	18.0	27.0	No
22-Oct-20	Downwind	18.0	33.5	No
23-Oct-20	Upwind	17.4	30.6	No
23-Oct-20	Downwind	17.4	35.4	No
24-Oct-20	Upwind	4.2	37.4	No
24-Oct-20	Downwind	5.2	19.6	No
26-Oct-20	Upwind	7.6	81.7	No
26-Oct-20	Downwind	7.2	47.3	No
27-Oct-20	Upwind	7.7	67.0	No
27-Oct-20	Downwind	7.3	20.5	No
28-Oct-20	Upwind	7.7	127.0	No
28-Oct-20	Downwind	7.4	76.6	No
29-Oct-20	Upwind	12.5	71.2	No
29-Oct-20	Downwind	12.3	47.4	No
30-Oct-20	Upwind	17.3	24.9	No
30-Oct-20	Downwind	17.2	19.4	No
31-Oct-20	Upwind	7.7	37.6	No
31-Oct-20	Downwind	7.7	25.5	No
2-Nov-20	Upwind	15.5	67.2	No
2-Nov-20	Downwind	15.4	32.4	No
3-Nov-20	Upwind	17.3	13.1	No
3-Nov-20	Downwind	17.4	5.67	No
4-Nov-20	Upwind	18.3	21.8	No
4-Nov-20	Downwind	18.2	11.3	No
5-Nov-20	Upwind	19.3	22.1	No
5-Nov-20	Downwind	19.3	21.6	No
6-Nov-20	Upwind	17.3	33.1	No
6-Nov-20	Downwind	20.2	21.0	No
7-Nov-20	Upwind	21.2	20.4	No
7-Nov-20	Downwind	21.2	25.9	No
9-Nov-20	Upwind	12.3	17.6	No
9-Nov-20	Downwind	12.3	10.4	No
10-Nov-20	Upwind	12.2	29.9	No
10-Nov-20	Downwind	12.2	20.3	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
11-Nov-20	Upwind	12.4	26.0	No
11-Nov-20	Downwind	12.4	20.7	No
12-Nov-20	Upwind	12.4	31.5	No
12-Nov-20	Downwind	12.3	29.5	No
13-Nov-20	Upwind	6.3	13.8	No
13-Nov-20	Downwind	5.9	10.9	No
14-Nov-20	Upwind	12.5	12.8	No
14-Nov-20	Downwind	12.5	14.2	No
16-Nov-20	Upwind	7.5	54.0	No
16-Nov-20	Downwind	7.1	71.4	No
17-Nov-20	Upwind	2.6	137	No
17-Nov-20	Downwind	3.4	70.6	No
18-Nov-20	Upwind	16.5	15.4	No
18-Nov-20	Downwind	16.7	18.6	No
19-Nov-20	Upwind	18.9	13.2	No
19-Nov-20	Downwind	18.8	37.3	No
20-Nov-20	Upwind	18.8	17.9	No
20-Nov-20	Downwind	18.7	38.6	No
21-Nov-20	Upwind	18.2	16.4	No
21-Nov-20	Downwind	18.1	35.9	No
23-Nov-20	Upwind	7.3	7.00	No
23-Nov-20	Downwind	7.3	8.83	No
24-Nov-20	Upwind	6.8	18.3	No
24-Nov-20	Downwind	6.8	13.4	No
25-Nov-20	Upwind	7.5	8.08	No
25-Nov-20	Downwind	7.4	7.99	No
26-Nov-20	Upwind	Note 2	Note 2	Note 2
26-Nov-20	Downwind	Note 2	Note 2	Note 2
27-Nov-20	Upwind	Note 2	Note 2	Note 2
27-Nov-20	Downwind	Note 2	Note 2	Note 2
30-Nov-20	Upwind	14.4	39.2	No
30-Nov-20	Downwind	14.3	24.3	No
1-Dec-20	Upwind	15.8	35.4	No
1-Dec-20	Downwind	15.8	19.5	No
2-Dec-20	Upwind	15.9	65.8	No
2-Dec-20	Downwind	15.8	28.2	No
3-Dec-20	Upwind	16.6	54.0	No
3-Dec-20	Downwind	16.6	105	No
4-Dec-20	Upwind	16.8	80.1	No
4-Dec-20	Downwind	16.5	61.8	No

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 (µg/m^3)	PM10 Exceedance? (Yes/No)
5-Dec-20	Upwind	8.1	58.7	No
5-Dec-20	Downwind	7.8	34.3	No
7-Dec-20	Upwind	7.6	43.1	No
7-Dec-20	Downwind	7.6	21.8	No
8-Dec-20	Upwind	7.4	57.5	No
8-Dec-20	Downwind	7.3	19.9	No
9-Dec-20	Upwind	7.4	123	No
9-Dec-20	Downwind	7.4	53.8	No
10-Dec-20	Upwind	7.4	61.1	No
10-Dec-20	Downwind	7.4	31.3	No
11-Dec-20	Upwind	7.3	14.8	No
11-Dec-20	Downwind	7.2	58.7	No
14-Dec-20	Upwind	7.4	5.98	No
14-Dec-20	Downwind	7.3	6.03	No
15-Dec-20	Upwind	6.9	10.0	No
15-Dec-20	Downwind	6.8	6.51	No
16-Dec-20	Upwind	7.3	22.9	No
16-Dec-20	Downwind	7.1	13.4	No
17-Dec-20	Upwind	Note 3	Note 3	Note 3
17-Dec-20	Downwind	Note 3	Note 3	Note 3
18-Dec-20	Upwind	7.8	5.63	No
18-Dec-20	Downwind	7.5	7.24	No
21-Dec-20	Upwind	7.4	20.7	No
21-Dec-20	Downwind	6.4	11.8	No
22-Dec-20	Upwind	7.3	6.03	No
22-Dec-20	Downwind	7.2	6.13	No
23-Dec-20	Upwind	Note 3	Note 3	Note 3
23-Dec-20	Downwind	Note 3	Note 3	Note 3
24-Dec-20	Upwind	Note 2	Note 2	Note 3
24-Dec-20	Downwind	Note 2	Note 2	Note 3
25-Dec-20	Upwind	Note 2	Note 2	Note 3
25-Dec-20	Downwind	Note 2	Note 2	Note 3
28-Dec-20	Upwind	Note 3	Note 3	Note 3
28-Dec-20	Downwind	Note 3	Note 3	Note 3
29-Dec-20	Upwind	Note 3	Note 3	Note 3
29-Dec-20	Downwind	Note 3	Note 3	Note 3
30-Dec-20	Upwind	Note 3	Note 3	Note 3
30-Dec-20	Downwind	Note 3	Note 3	Note 3
31-Dec-20	Upwind	Note 3	Note 3	Note 3
31-Dec-20	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
1-Jan-21	Upwind	Note 2	Note 2	Note 2
1-Jan-21	Downwind	Note 2	Note 2	Note 2
4-Jan-21	Upwind	Note 1	Note 1	Note 1
4-Jan-21	Downwind	Note 1	Note 1	Note 1
5-Jan-21	Upwind	Note 3	Note 3	Note 3
5-Jan-21	Downwind	Note 3	Note 3	Note 3
6-Jan-21	Upwind	Note 3	Note 3	Note 3
6-Jan-21	Downwind	Note 3	Note 3	Note 3
7-Jan-21	Upwind	Note 3	Note 3	Note 3
7-Jan-21	Downwind	Note 3	Note 3	Note 3
8-Jan-21	Upwind	Note 3	Note 3	Note 3
8-Jan-21	Downwind	Note 3	Note 3	Note 3
11-Jan-21	Upwind	Note 3	Note 3	Note 3
11-Jan-21	Downwind	Note 3	Note 3	Note 3
12-Jan-21	Upwind	Note 3	Note 3	Note 3
12-Jan-21	Downwind	Note 3	Note 3	Note 3
13-Jan-21	Upwind	Note 3	Note 3	Note 3
13-Jan-21	Downwind	Note 3	Note 3	Note 3
14-Jan-21	Upwind	Note 3	Note 3	Note 3
14-Jan-21	Downwind	Note 3	Note 3	Note 3
15-Jan-21	Upwind	Note 3	Note 3	Note 3
15-Jan-21	Downwind	Note 3	Note 3	Note 3
18-Jan-21	Upwind	Note 2	Note 2	Note 2
18-Jan-21	Downwind	Note 2	Note 2	Note 2
19-Jan-21	Upwind	Note 3	Note 3	Note 3
19-Jan-21	Downwind	Note 3	Note 3	Note 3
20-Jan-21	Upwind	Note 3	Note 3	Note 3
20-Jan-21	Downwind	Note 3	Note 3	Note 3
21-Jan-21	Upwind	Note 3	Note 3	Note 3
21-Jan-21	Downwind	Note 3	Note 3	Note 3
22-Jan-21	Upwind	Note 3	Note 3	Note 3
22-Jan-21	Downwind	Note 3	Note 3	Note 3
25-Jan-21	Upwind	Note 3	Note 3	Note 3
25-Jan-21	Downwind	Note 3	Note 3	Note 3
26-Jan-21	Upwind	Note 3	Note 3	Note 3
26-Jan-21	Downwind	Note 3	Note 3	Note 3
27-Jan-21	Upwind	Note 1	Note 1	Note 1
27-Jan-21	Downwind	Note 1	Note 1	Note 1
28-Jan-21	Upwind	Note 1	Note 1	Note 1
28-Jan-21	Downwind	Note 1	Note 1	Note 1

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
29-Jan-21	Upwind	Note 3	Note 3	Note 3
29-Jan-21	Downwind	Note 3	Note 3	Note 3
1-Feb-21	Upwind	Note 3	Note 3	Note 3
1-Feb-21	Downwind	Note 3	Note 3	Note 3
2-Feb-21	Upwind	Note 1	Note 1	Note 1
2-Feb-21	Downwind	Note 1	Note 1	Note 1
3-Feb-21	Upwind	Note 3	Note 3	Note 3
3-Feb-21	Downwind	Note 3	Note 3	Note 3
4-Feb-21	Upwind	Note 3	Note 3	Note 3
4-Feb-21	Downwind	Note 3	Note 3	Note 3
5-Feb-21	Upwind	Note 3	Note 3	Note 3
5-Feb-21	Downwind	Note 3	Note 3	Note 3
8-Feb-21	Upwind	Note 3	Note 3	Note 3
8-Feb-21	Downwind	Note 3	Note 3	Note 3
9-Feb-21	Upwind	5.8	35.8	No
9-Feb-21	Downwind	5.8	11.0	No
10-Feb-21	Upwind	6.2	<7.16	No
10-Feb-21	Downwind	6.5	<6.84	No
11-Feb-21	Upwind	4.4	10.3	No
11-Feb-21	Downwind	4.7	10.3	No
12-Feb-21	Upwind	Note 3	Note 3	Note 3
12-Feb-21	Downwind	Note 3	Note 3	Note 3
15-Feb-21	Upwind	Note 1	Note 1	Note 1
15-Feb-21	Downwind	Note 1	Note 1	Note 1
16-Feb-21	Upwind	Note 3	Note 3	Note 3
16-Feb-21	Downwind	Note 3	Note 3	Note 3
17-Feb-21	Upwind	Note 3	Note 3	Note 3
17-Feb-21	Downwind	Note 3	Note 3	Note 3
18-Feb-21	Upwind	Note 3	Note 3	Note 3
18-Feb-21	Downwind	Note 3	Note 3	Note 3
19-Feb-21	Upwind	Note 1	Note 1	Note 1
19-Feb-21	Downwind	Note 1	Note 1	Note 1
22-Feb-21	Upwind	Note 3	Note 3	Note 3
22-Feb-21	Downwind	Note 3	Note 3	Note 3
23-Feb-21	Upwind	Note 3	Note 3	Note 3
23-Feb-21	Downwind	Note 3	Note 3	Note 3
24-Feb-21	Upwind	Note 3	Note 3	Note 3
24-Feb-21	Downwind	Note 3	Note 3	Note 3
25-Feb-21	Upwind	Note 3	Note 3	Note 3
25-Feb-21	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
26-Feb-21	Upwind	Note 3	Note 3	Note 3
26-Feb-21	Downwind	Note 3	Note 3	Note 3
1-Mar-21	Upwind	Note 3	Note 3	Note 3
1-Mar-21	Downwind	Note 3	Note 3	Note 3
2-Mar-21	Upwind	Note 3	Note 3	Note 3
2-Mar-21	Downwind	Note 3	Note 3	Note 3
3-Mar-21	Upwind	Note 3	Note 3	Note 3
3-Mar-21	Downwind	Note 3	Note 3	Note 3
4-Mar-21	Upwind	Note 3	Note 3	Note 3
4-Mar-21	Downwind	Note 3	Note 3	Note 3
5-Mar-21	Upwind	Note 3	Note 3	Note 3
5-Mar-21	Downwind	Note 3	Note 3	Note 3
8-Mar-21	Upwind	Note 3	Note 3	Note 3
8-Mar-21	Downwind	Note 3	Note 3	Note 3
9-Mar-21	Upwind	Note 3	Note 3	Note 3
9-Mar-21	Downwind	Note 3	Note 3	Note 3
10-Mar-21	Upwind	Note 1	Note 1	Note 1
10-Mar-21	Downwind	Note 1	Note 1	Note 1
11-Mar-21	Upwind	Note 3	Note 3	Note 3
11-Mar-21	Downwind	Note 3	Note 3	Note 3
12-Mar-21	Upwind	Note 3	Note 3	Note 3
12-Mar-21	Downwind	Note 3	Note 3	Note 3
15-Mar-21	Upwind	Note 3	Note 3	Note 3
15-Mar-21	Downwind	Note 3	Note 3	Note 3
16-Mar-21	Upwind	Note 3	Note 3	Note 3
16-Mar-21	Downwind	Note 3	Note 3	Note 3
17-Mar-21	Upwind	Note 3	Note 3	Note 3
17-Mar-21	Downwind	Note 3	Note 3	Note 3
18-Mar-21	Upwind	Note 1	Note 1	Note 1
18-Mar-21	Downwind	Note 1	Note 1	Note 1
19-Mar-21	Upwind	Note 3	Note 3	Note 3
19-Mar-21	Downwind	Note 3	Note 3	Note 3
22-Mar-21	Upwind	Note 3	Note 3	Note 3
22-Mar-21	Downwind	Note 3	Note 3	Note 3
23-Mar-21	Upwind	Note 3	Note 3	Note 3
23-Mar-21	Downwind	Note 3	Note 3	Note 3
24-Mar-21	Upwind	Note 3	Note 3	Note 3
24-Mar-21	Downwind	Note 3	Note 3	Note 3
25-Mar-21	Upwind	Note 3	Note 3	Note 3
25-Mar-21	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
26-Mar-21	Upwind	Note 3	Note 3	Note 3
26-Mar-21	Downwind	Note 3	Note 3	Note 3
29-Mar-21	Upwind	Note 3	Note 3	Note 3
29-Mar-21	Downwind	Note 3	Note 3	Note 3
30-Mar-21	Upwind	Note 3	Note 3	Note 3
30-Mar-21	Downwind	Note 3	Note 3	Note 3
31-Mar-21	Upwind	Note 3	Note 3	Note 3
31-Mar-21	Downwind	Note 3	Note 3	Note 3
1-Apr-21	Upwind	Note 3	Note 3	Note 3
1-Apr-21	Downwind	Note 3	Note 3	Note 3
2-Apr-21	Upwind	Note 3	Note 3	Note 3
2-Apr-21	Downwind	Note 3	Note 3	Note 3
5-Apr-21	Upwind	Note 3	Note 3	Note 3
5-Apr-21	Downwind	Note 3	Note 3	Note 3
6-Apr-21	Upwind	Note 3	Note 3	Note 3
6-Apr-21	Downwind	Note 3	Note 3	Note 3
7-Apr-21	Upwind	Note 3	Note 3	Note 3
7-Apr-21	Downwind	Note 3	Note 3	Note 3
8-Apr-21	Upwind	Note 3	Note 3	Note 3
8-Apr-21	Downwind	Note 3	Note 3	Note 3
9-Apr-21	Upwind	Note 3	Note 3	Note 3
9-Apr-21	Downwind	Note 3	Note 3	Note 3
12-Apr-21	Upwind	Note 3	Note 3	Note 3
12-Apr-21	Downwind	Note 3	Note 3	Note 3
13-Apr-21	Upwind	Note 3	Note 3	Note 3
13-Apr-21	Downwind	Note 3	Note 3	Note 3
14-Apr-21	Upwind	Note 3	Note 3	Note 3
14-Apr-21	Downwind	Note 3	Note 3	Note 3
15-Apr-21	Upwind	Note 3	Note 3	Note 3
15-Apr-21	Downwind	Note 3	Note 3	Note 3
16-Apr-21	Upwind	Note 3	Note 3	Note 3
16-Apr-21	Downwind	Note 3	Note 3	Note 3
19-Apr-21	Upwind	Note 3	Note 3	Note 3
19-Apr-21	Downwind	Note 3	Note 3	Note 3
20-Apr-21	Upwind	Note 3	Note 3	Note 3
20-Apr-21	Downwind	Note 3	Note 3	Note 3
21-Apr-21	Upwind	Note 3	Note 3	Note 3
21-Apr-21	Downwind	Note 3	Note 3	Note 3
22-Apr-21	Upwind	Note 3	Note 3	Note 3
22-Apr-21	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
23-Apr-21	Upwind	Note 3	Note 3	Note 3
23-Apr-21	Downwind	Note 3	Note 3	Note 3
26-Apr-21	Upwind	Note 3	Note 3	Note 3
26-Apr-21	Downwind	Note 3	Note 3	Note 3
27-Apr-21	Upwind	Note 3	Note 3	Note 3
27-Apr-21	Downwind	Note 3	Note 3	Note 3
28-Apr-21	Upwind	Note 3	Note 3	Note 3
28-Apr-21	Downwind	Note 3	Note 3	Note 3
29-Apr-21	Upwind	Note 3	Note 3	Note 3
29-Apr-21	Downwind	Note 3	Note 3	Note 3
30-Apr-21	Upwind	Note 3	Note 3	Note 3
30-Apr-21	Downwind	Note 3	Note 3	Note 3
3-May-21	Upwind	Note 3	Note 3	Note 3
3-May-21	Downwind	Note 3	Note 3	Note 3
4-May-21	Upwind	Note 3	Note 3	Note 3
4-May-21	Downwind	Note 3	Note 3	Note 3
5-May-21	Upwind	Note 3	Note 3	Note 3
5-May-21	Downwind	Note 3	Note 3	Note 3
6-May-21	Upwind	Note 3	Note 3	Note 3
6-May-21	Downwind	Note 3	Note 3	Note 3
7-May-21	Upwind	Note 3	Note 3	Note 3
7-May-21	Downwind	Note 3	Note 3	Note 3
10-May-21	Upwind	Note 3	Note 3	Note 3
10-May-21	Downwind	Note 3	Note 3	Note 3
11-May-21	Upwind	Note 3	Note 3	Note 3
11-May-21	Downwind	Note 3	Note 3	Note 3
12-May-21	Upwind	Note 3	Note 3	Note 3
12-May-21	Downwind	Note 3	Note 3	Note 3
13-May-21	Upwind	Note 3	Note 3	Note 3
13-May-21	Downwind	Note 3	Note 3	Note 3
14-May-21	Upwind	Note 3	Note 3	Note 3
14-May-21	Downwind	Note 3	Note 3	Note 3
17-May-21	Upwind	Note 3	Note 3	Note 3
17-May-21	Downwind	Note 3	Note 3	Note 3
18-May-21	Upwind	Note 3	Note 3	Note 3
18-May-21	Downwind	Note 3	Note 3	Note 3
19-May-21	Upwind	Note 3	Note 3	Note 3
19-May-21	Downwind	Note 3	Note 3	Note 3
20-May-21	Upwind	Note 3	Note 3	Note 3
20-May-21	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
21-May-21	Upwind	Note 3	Note 3	Note 3
21-May-21	Downwind	Note 3	Note 3	Note 3
24-May-21	Upwind	Note 3	Note 3	Note 3
24-May-21	Downwind	Note 3	Note 3	Note 3
25-May-21	Upwind	Note 3	Note 3	Note 3
25-May-21	Downwind	Note 3	Note 3	Note 3
26-May-21	Upwind	Note 3	Note 3	Note 3
26-May-21	Downwind	Note 3	Note 3	Note 3
27-May-21	Upwind	Note 3	Note 3	Note 3
27-May-21	Downwind	Note 3	Note 3	Note 3
28-May-21	Upwind	Note 3	Note 3	Note 3
28-May-21	Downwind	Note 3	Note 3	Note 3
31-May-21	Upwind	Note 2	Note 2	Note 2
31-May-21	Downwind	Note 2	Note 2	Note 2
1-Jun-21	Upwind	Note 3	Note 3	Note 3
1-Jun-21	Downwind	Note 3	Note 3	Note 3
2-Jun-21	Upwind	Note 3	Note 3	Note 3
2-Jun-21	Downwind	Note 3	Note 3	Note 3
3-Jun-21	Upwind	Note 3	Note 3	Note 3
3-Jun-21	Downwind	Note 3	Note 3	Note 3
4-Jun-21	Upwind	Note 3	Note 3	Note 3
4-Jun-21	Downwind	Note 3	Note 3	Note 3
7-Jun-21	Upwind	Note 3	Note 3	Note 3
7-Jun-21	Downwind	Note 3	Note 3	Note 3
8-Jun-21	Upwind	Note 3	Note 3	Note 3
8-Jun-21	Downwind	Note 3	Note 3	Note 3
9-Jun-21	Upwind	Note 3	Note 3	Note 3
9-Jun-21	Downwind	Note 3	Note 3	Note 3
10-Jun-21	Upwind	Note 3	Note 3	Note 3
10-Jun-21	Downwind	Note 3	Note 3	Note 3
11-Jun-21	Upwind	Note 3	Note 3	Note 3
11-Jun-21	Downwind	Note 3	Note 3	Note 3
14-Jun-21	Upwind	Note 3	Note 3	Note 3
14-Jun-21	Downwind	Note 3	Note 3	Note 3
15-Jun-21	Upwind	Note 3	Note 3	Note 3
15-Jun-21	Downwind	Note 3	Note 3	Note 3
16-Jun-21	Upwind	Note 3	Note 3	Note 3
16-Jun-21	Downwind	Note 3	Note 3	Note 3
17-Jun-21	Upwind	Note 3	Note 3	Note 3
17-Jun-21	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
18-Jun-21	Upwind	Note 3	Note 3	Note 3
18-Jun-21	Downwind	Note 3	Note 3	Note 3
21-Jun-21	Upwind	Note 3	Note 3	Note 3
21-Jun-21	Downwind	Note 3	Note 3	Note 3
22-Jun-21	Upwind	Note 3	Note 3	Note 3
22-Jun-21	Downwind	Note 3	Note 3	Note 3
23-Jun-21	Upwind	Note 3	Note 3	Note 3
23-Jun-21	Downwind	Note 3	Note 3	Note 3
24-Jun-21	Upwind	Note 3	Note 3	Note 3
24-Jun-21	Downwind	Note 3	Note 3	Note 3
25-Jun-21	Upwind	Note 3	Note 3	Note 3
25-Jun-21	Downwind	Note 3	Note 3	Note 3
28-Jun-21	Upwind	Note 3	Note 3	Note 3
28-Jun-21	Downwind	Note 3	Note 3	Note 3
29-Jun-21	Upwind	Note 3	Note 3	Note 3
29-Jun-21	Downwind	Note 3	Note 3	Note 3
30-Jun-21	Upwind	Note 3	Note 3	Note 3
30-Jun-21	Downwind	Note 3	Note 3	Note 3
1-Jul-21	Upwind	Note 3	Note 3	Note 3
1-Jul-21	Downwind	Note 3	Note 3	Note 3
2-Jul-21	Upwind	Note 3	Note 3	Note 3
2-Jul-21	Downwind	Note 3	Note 3	Note 3
5-Jul-21	Upwind	Note 2	Note 2	Note 2
5-Jul-21	Downwind	Note 2	Note 2	Note 2
6-Jul-21	Upwind	Note 3	Note 3	Note 3
6-Jul-21	Downwind	Note 3	Note 3	Note 3
7-Jul-21	Upwind	Note 3	Note 3	Note 3
7-Jul-21	Downwind	Note 3	Note 3	Note 3
8-Jul-21	Upwind	Note 3	Note 3	Note 3
8-Jul-21	Downwind	Note 3	Note 3	Note 3
9-Jul-21	Upwind	Note 3	Note 3	Note 3
9-Jul-21	Downwind	Note 3	Note 3	Note 3
12-Jul-21	Upwind	Note 3	Note 3	Note 3
12-Jul-21	Downwind	Note 3	Note 3	Note 3
13-Jul-21	Upwind	Note 3	Note 3	Note 3
13-Jul-21	Downwind	Note 3	Note 3	Note 3
14-Jul-21	Upwind	Note 3	Note 3	Note 3
14-Jul-21	Downwind	Note 3	Note 3	Note 3
15-Jul-21	Upwind	Note 3	Note 3	Note 3
15-Jul-21	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 3: PM10 Air Sampling Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
16-Jul-21	Upwind	Note 3	Note 3	Note 3
16-Jul-21	Downwind	Note 3	Note 3	Note 3
19-Jul-21	Upwind	Note 3	Note 3	Note 3
19-Jul-21	Downwind	Note 3	Note 3	Note 3
20-Jul-21	Upwind	Note 3	Note 3	Note 3
20-Jul-21	Downwind	Note 3	Note 3	Note 3
21-Jul-21	Upwind	Note 3	Note 3	Note 3
21-Jul-21	Downwind	Note 3	Note 3	Note 3
22-Jul-21	Upwind	6.6	43.7	No
22-Jul-21	Downwind	6.6	50.1	No
23-Jul-21	Upwind	8.7	47.0	No
23-Jul-21	Downwind	8.7	52.6	No
24-Jul-21	Upwind	3.3	47.7	No
24-Jul-21	Downwind	2.9	50.3	No
26-Jul-21	Upwind	6.8	29.0	No
26-Jul-21	Downwind	6.8	32.9	No
27-Jul-21	Upwind	7.4	35.2	No
27-Jul-21	Downwind	7.3	47.0	No
28-Jul-21	Upwind	7.4	19.0	No
28-Jul-21	Downwind	7.4	32.1	No
29-Jul-21	Upwind	7.2	31.5	No
29-Jul-21	Downwind	7.2	26.5	No
30-Jul-21	Upwind	7.1	7.63	No
30-Jul-21	Downwind	7.0	41.6	No

Notes:
Note 1: Sample not collected due to inclement conditions: Rain.
Note 2: Samples were not collected as project site was closed for holidays.
Note 3: Samples were not collected as no excavation was conducted.
Sample locations are shown on Figure 1.
Upwind station is located at Air Sampling Station #1; Downwind station is located at Air Sampling Station #2.

Prevailing winds come out of the northwest

The action Level for PM10; Cal/OSHA PEL = 5,000 $\mu g/m^3$

The detection limit for PM10 is 0.06 $\mu g/m^3$ assuming a minimum sample volume of 1,600 m^3.

$\mu g/m^3$ - microgram per cubic meter
N/A - not applicable
PM10 - particulate matter smaller than 10 microns in diameter

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
20-Nov-19	Upwind	9.8	0.0030	No
20-Nov-19	Downwind	9.9	<0.002	No
21-Nov-19	Upwind	7.5	<0.003	No
21-Nov-19	Downwind	7.5	<0.003	No
22-Nov-19	Upwind	8.8	<0.003	No
22-Nov-19	Downwind	8.8	<0.003	No
25-Nov-19	Upwind	8.9	<0.003	No
25-Nov-19	Downwind	8.7	<0.003	No
26-Nov-19	Upwind	7.4	<0.003	No
26-Nov-19	Downwind	7.5	<0.003	No
27-Nov-19	Upwind	Note 1	Note 1	Note 1
27-Nov-19	Downwind	Note 1	Note 1	Note 1
28-Nov-19	Upwind	Note 2	Note 2	Note 2
28-Nov-19	Downwind	Note 2	Note 2	Note 2
29-Nov-19	Upwind	Note 2	Note 2	Note 2
29-Nov-19	Downwind	Note 2	Note 2	Note 2
2-Dec-19	Upwind	Note 3	Note 3	Note 3
2-Dec-19	Downwind	Note 3	Note 3	Note 3
3-Dec-19	Upwind	Note 3	Note 3	Note 3
3-Dec-19	Downwind	Note 3	Note 3	Note 3
4-Dec-19	Upwind	Note 3	Note 3	Note 3
4-Dec-19	Downwind	Note 3	Note 3	Note 3
5-Dec-19	Upwind	Note 3	Note 3	Note 3
5-Dec-19	Downwind	Note 3	Note 3	Note 3
6-Dec-19	Upwind	Note 3	Note 3	Note 3
6-Dec-19	Downwind	Note 3	Note 3	Note 3
9-Dec-19	Upwind	4.3	<0.005	No
9-Dec-19	Downwind	4.1	<0.006	No
10-Dec-19	Upwind	9.4	<0.002	No
10-Dec-19	Downwind	9.4	<0.002	No
11-Dec-19	Upwind	Note 3	Note 3	Note 3
11-Dec-19	Downwind	Note 3	Note 3	Note 3
12-Dec-19	Upwind	Note 3	Note 3	Note 3
12-Dec-19	Downwind	Note 3	Note 3	Note 3
13-Dec-19	Upwind	Note 3	Note 3	Note 3
13-Dec-19	Downwind	Note 3	Note 3	Note 3
16-Dec-19	Upwind	Note 3	Note 3	Note 3
16-Dec-19	Downwind	Note 3	Note 3	Note 3
17-Dec-19	Upwind	Note 3	Note 3	Note 3

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
17-Dec-19	Downwind	Note 3	Note 3	Note 3
18-Dec-19	Upwind	Note 3	Note 3	Note 3
18-Dec-19	Downwind	Note 3	Note 3	Note 3
19-Dec-19	Upwind	Note 3	Note 3	Note 3
19-Dec-19	Downwind	Note 3	Note 3	Note 3
20-Dec-19	Upwind	Note 3	Note 3	Note 3
20-Dec-19	Downwind	Note 3	Note 3	Note 3
23-Dec-19	Upwind	7.5	<0.003	No
23-Dec-19	Downwind	7.5	<0.003	No
24-Dec-19	Upwind	6.8	<0.003	No
24-Dec-19	Downwind	6.9	<0.003	No
25-Dec-19	Upwind	Note 2	Note 2	Note 2
25-Dec-19	Downwind	Note 2	Note 2	Note 2
26-Dec-19	Upwind	7.4	<0.003	No
26-Dec-19	Downwind	7.5	<0.003	No
27-Dec-19	Upwind	7.5	<0.003	No
27-Dec-19	Downwind	7.7	<0.003	No
30-Dec-19	Upwind	7.3	<0.003	No
30-Dec-19	Downwind	7.3	<0.003	No
31-Dec-19	Upwind	7.067	<0.003	No
31-Dec-19	Downwind	7.1	0.0	No
1-Jan-20	Upwind	Note 3	Note 3	Note 3
1-Jan-20	Downwind	Note 3	Note 3	Note 3
2-Jan-20	Upwind	Note 3	Note 3	Note 3
2-Jan-20	Downwind	Note 3	Note 3	Note 3
3-Jan-20	Upwind	7.6	<0.003	No
3-Jan-20	Downwind	7.6	<0.003	No
6-Jan-20	Upwind	7.6	<0.003	No
6-Jan-20	Downwind	7.6	<0.003	No
7-Jan-20	Upwind	7.9	<0.003	No
7-Jan-20	Downwind	8.0	<0.003	No
8-Jan-20	Upwind	Note 3	Note 3	Note 3
8-Jan-20	Downwind	Note 3	Note 3	Note 3
9-Jan-20	Upwind	Note 3	Note 3	Note 3
9-Jan-20	Downwind	Note 3	Note 3	Note 3
10-Jan-20	Upwind	Note 3	Note 3	Note 3
10-Jan-20	Downwind	Note 3	Note 3	Note 3
13-Jan-20	Upwind	Note 3	Note 3	Note 3
13-Jan-20	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
14-Jan-20	Upwind	Note 3	Note 3	Note 3
14-Jan-20	Downwind	Note 3	Note 3	Note 3
15-Jan-20	Upwind	Note 3	Note 3	Note 3
15-Jan-20	Downwind	Note 3	Note 3	Note 3
16-Jan-20	Upwind	Note 3	Note 3	Note 3
16-Jan-20	Downwind	Note 3	Note 3	Note 3
17-Jan-20	Upwind	Note 3	Note 3	Note 3
17-Jan-20	Downwind	Note 3	Note 3	Note 3
20-Jan-20	Upwind	Note 3	Note 3	Note 3
20-Jan-20	Downwind	Note 3	Note 3	Note 3
21-Jan-20	Upwind	Note 3	Note 3	Note 3
21-Jan-20	Downwind	Note 3	Note 3	Note 3
22-Jan-20	Upwind	Note 3	Note 3	Note 3
22-Jan-20	Downwind	Note 3	Note 3	Note 3
23-Jan-20	Upwind	Note 3	Note 3	Note 3
23-Jan-20	Downwind	Note 3	Note 3	Note 3
24-Jan-20	Upwind	Note 3	Note 3	Note 3
24-Jan-20	Downwind	Note 3	Note 3	Note 3
27-Jan-20	Upwind	Note 3	Note 3	Note 3
27-Jan-20	Downwind	Note 3	Note 3	Note 3
28-Jan-20	Upwind	Note 3	Note 3	Note 3
28-Jan-20	Downwind	Note 3	Note 3	Note 3
29-Jan-20	Upwind	Note 3	Note 3	Note 3
29-Jan-20	Downwind	Note 3	Note 3	Note 3
30-Jan-20	Upwind	Note 3	Note 3	Note 3
30-Jan-20	Downwind	Note 3	Note 3	Note 3
31-Jan-20	Upwind	Note 3	Note 3	Note 3
31-Jan-20	Downwind	Note 3	Note 3	Note 3
3-Feb-20	Upwind	Note 3	Note 3	Note 3
3-Feb-20	Downwind	Note 3	Note 3	Note 3
4-Feb-20	Upwind	Note 3	Note 3	Note 3
4-Feb-20	Downwind	Note 3	Note 3	Note 3
5-Feb-20	Upwind	Note 3	Note 3	Note 3
5-Feb-20	Downwind	Note 3	Note 3	Note 3
6-Feb-20	Upwind	Note 3	Note 3	Note 3
6-Feb-20	Downwind	Note 3	Note 3	Note 3
7-Feb-20	Upwind	Note 3	Note 3	Note 3
7-Feb-20	Downwind	Note 3	Note 3	Note 3
10-Feb-20	Upwind	Note 3	Note 3	Note 3

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
10-Feb-20	Downwind	Note 3	Note 3	Note 3
11-Feb-20	Upwind	7.2	<0.0031	No
11-Feb-20	Downwind	7.2	<0.0031	No
12-Feb-20	Upwind	5.5	<0.0041	No
12-Feb-20	Downwind	5.6	<0.0040	No
13-Feb-20	Upwind	5.3	<0.0043	No
13-Feb-20	Downwind	5.1	<0.0044	No
14-Feb-20	Upwind	7.8	<0.0029	No
14-Feb-20	Downwind	7.7	<0.0029	No
17-Feb-20	Upwind	7.7	<0.0029	No
17-Feb-20	Downwind	7.6	<0.0029	No
18-Feb-20	Upwind	7.0	<0.0032	No
18-Feb-20	Downwind	7.1	<0.0032	No
19-Feb-20	Upwind	3.8	<0.0059	No
19-Feb-20	Downwind	3.9	<0.0058	No
20-Feb-20	Upwind	Note 3	Note 3	Note 3
20-Feb-20	Downwind	Note 3	Note 3	Note 3
21-Feb-20	Upwind	Note 3	Note 3	Note 3
21-Feb-20	Downwind	Note 3	Note 3	Note 3
24-Feb-20	Upwind	Note 3	Note 3	Note 3
24-Feb-20	Downwind	Note 3	Note 3	Note 3
25-Feb-20	Upwind	Note 3	Note 3	Note 3
25-Feb-20	Downwind	Note 3	Note 3	Note 3
26-Feb-20	Upwind	Note 3	Note 3	Note 3
26-Feb-20	Downwind	Note 3	Note 3	Note 3
27-Feb-20	Upwind	Note 3	Note 3	Note 3
27-Feb-20	Downwind	Note 3	Note 3	Note 3
28-Feb-20	Upwind	Note 3	Note 3	Note 3
28-Feb-20	Downwind	Note 3	Note 3	Note 3
2-Mar-20	Upwind	Note 3	Note 3	Note 3
2-Mar-20	Downwind	Note 3	Note 3	Note 3
3-Mar-20	Upwind	Note 3	Note 3	Note 3
3-Mar-20	Downwind	Note 3	Note 3	Note 3
4-Mar-20	Upwind	Note 3	Note 3	Note 3
4-Mar-20	Downwind	Note 3	Note 3	Note 3
5-Mar-20	Upwind	Note 3	Note 3	Note 3
5-Mar-20	Downwind	Note 3	Note 3	Note 3
6-Mar-20	Upwind	Note 3	Note 3	Note 3
6-Mar-20	Downwind	Note 3	Note 3	Note 3

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
9-Mar-20	Upwind	Note 3	Note 3	Note 3
9-Mar-20	Downwind	Note 3	Note 3	Note 3
10-Mar-20	Upwind	Note 3	Note 3	Note 3
10-Mar-20	Downwind	Note 3	Note 3	Note 3
11-Mar-20	Upwind	Note 3	Note 3	Note 3
11-Mar-20	Downwind	Note 3	Note 3	Note 3
12-Mar-20	Upwind	Note 3	Note 3	Note 3
12-Mar-20	Downwind	Note 3	Note 3	Note 3
13-Mar-20	Upwind	Note 3	Note 3	Note 3
13-Mar-20	Downwind	Note 3	Note 3	Note 3
16-Mar-20	Upwind	Note 3	Note 3	Note 3
16-Mar-20	Downwind	Note 3	Note 3	Note 3
17-Mar-20	Upwind	Note 3	Note 3	Note 3
17-Mar-20	Downwind	Note 3	Note 3	Note 3
18-Mar-20	Upwind	Note 3	Note 3	Note 3
18-Mar-20	Downwind	Note 3	Note 3	Note 3
19-Mar-20	Upwind	Note 3	Note 3	Note 3
19-Mar-20	Downwind	Note 3	Note 3	Note 3
20-Mar-20	Upwind	Note 3	Note 3	Note 3
20-Mar-20	Downwind	Note 3	Note 3	Note 3
23-Mar-20	Upwind	Note 3	Note 3	Note 3
23-Mar-20	Downwind	Note 3	Note 3	Note 3
24-Mar-20	Upwind	Note 3	Note 3	Note 3
24-Mar-20	Downwind	Note 3	Note 3	Note 3
25-Mar-20	Upwind	Note 3	Note 3	Note 3
25-Mar-20	Downwind	Note 3	Note 3	Note 3
26-Mar-20	Upwind	Note 3	Note 3	Note 3
26-Mar-20	Downwind	Note 3	Note 3	Note 3
27-Mar-20	Upwind	Note 3	Note 3	Note 3
27-Mar-20	Downwind	Note 3	Note 3	Note 3
30-Mar-20	Upwind	Note 3	Note 3	Note 3
30-Mar-20	Downwind	Note 3	Note 3	Note 3
31-Mar-20	Upwind	Note 3	Note 3	Note 3
31-Mar-20	Downwind	Note 3	Note 3	Note 3
1-Apr-20	Upwind	Note 3	Note 3	Note 3
1-Apr-20	Downwind	Note 3	Note 3	Note 3
2-Apr-20	Upwind	Note 3	Note 3	Note 3
2-Apr-20	Downwind	Note 3	Note 3	Note 3
3-Apr-20	Upwind	Note 3	Note 3	Note 3

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
3-Apr-20	Downwind	Note 3	Note 3	Note 3
6-Apr-20	Upwind	Note 3	Note 3	Note 3
6-Apr-20	Downwind	Note 3	Note 3	Note 3
7-Apr-20	Upwind	Note 3	Note 3	Note 3
7-Apr-20	Downwind	Note 3	Note 3	Note 3
8-Apr-20	Upwind	Note 3	Note 3	Note 3
8-Apr-20	Downwind	Note 3	Note 3	Note 3
9-Apr-20	Upwind	Note 3	Note 3	Note 3
9-Apr-20	Downwind	Note 3	Note 3	Note 3
10-Apr-20	Upwind	Note 3	Note 3	Note 3
10-Apr-20	Downwind	Note 3	Note 3	Note 3
13-Apr-20	Upwind	Note 3	Note 3	Note 3
13-Apr-20	Downwind	Note 3	Note 3	Note 3
14-Apr-20	Upwind	Note 3	Note 3	Note 3
14-Apr-20	Downwind	Note 3	Note 3	Note 3
15-Apr-20	Upwind	Note 3	Note 3	Note 3
15-Apr-20	Downwind	Note 3	Note 3	Note 3
16-Apr-20	Upwind	Note 3	Note 3	Note 3
16-Apr-20	Downwind	Note 3	Note 3	Note 3
17-Apr-20	Upwind	Note 3	Note 3	Note 3
17-Apr-20	Downwind	Note 3	Note 3	Note 3
20-Apr-20	Upwind	Note 3	Note 3	Note 3
20-Apr-20	Downwind	Note 3	Note 3	Note 3
21-Apr-20	Upwind	Note 3	Note 3	Note 3
21-Apr-20	Downwind	Note 3	Note 3	Note 3
22-Apr-20	Upwind	Note 3	Note 3	Note 3
22-Apr-20	Downwind	Note 3	Note 3	Note 3
23-Apr-20	Upwind	Note 3	Note 3	Note 3
23-Apr-20	Downwind	Note 3	Note 3	Note 3
24-Apr-20	Upwind	Note 3	Note 3	Note 3
24-Apr-20	Downwind	Note 3	Note 3	Note 3
27-Apr-20	Upwind	Note 3	Note 3	Note 3
27-Apr-20	Downwind	Note 3	Note 3	Note 3
28-Apr-20	Upwind	Note 3	Note 3	Note 3
28-Apr-20	Downwind	Note 3	Note 3	Note 3
29-Apr-20	Upwind	9.5	0.0026	No
29-Apr-20	Downwind	9.4	<0.0024	No
30-Apr-20	Upwind	9.5	<0.0024	No
30-Apr-20	Downwind	9.6	<0.0023	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
1-May-20	Upwind	Note 3	Note 3	Note 3
1-May-20	Downwind	Note 3	Note 3	Note 3
4-May-20	Upwind	9.6	0.0030	No
4-May-20	Downwind	9.6	<0.0024	No
5-May-20	Upwind	9.5	0.0026	No
5-May-20	Downwind	9.4	<0.0024	No
6-May-20	Upwind	9.6	<0.0023	No
6-May-20	Downwind	9.5	<0.0024	No
7-May-20	Upwind	9.4	<0.0024	No
7-May-20	Downwind	9.5	<0.0024	No
8-May-20	Upwind	Note 3	Note 3	Note 3
8-May-20	Downwind	Note 3	Note 3	Note 3
11-May-20	Upwind	9.7	<0.0023	No
11-May-20	Downwind	9.6	<0.0023	No
12-May-20	Upwind	9.6	<0.0023	No
12-May-20	Downwind	9.5	<0.0024	No
13-May-20	Upwind	9.6	<0.0023	No
13-May-20	Downwind	9.5	<0.0024	No
14-May-20	Upwind	9.5	<0.0024	No
14-May-20	Downwind	9.5	<0.0024	No
15-May-20	Upwind	9.4	<0.0024	No
15-May-20	Downwind	9.4	<0.0024	No
18-May-20	Upwind	9.7	<0.0023	No
18-May-20	Downwind	9.7	<0.0023	No
19-May-20	Upwind	9.6	<0.0023	No
19-May-20	Downwind	9.6	<0.0023	No
20-May-20	Upwind	9.6	<0.0023	No
20-May-20	Downwind	9.5	0.0030	No
21-May-20	Upwind	9.6	<0.0023	No
21-May-20	Downwind	9.7	<0.0023	No
22-May-20	Upwind	9.5	<0.0024	No
22-May-20	Downwind	9.5	<0.0024	No
25-May-20	Upwind	Note 2	Note 2	Note 2
25-May-20	Downwind	Note 2	Note 2	Note 2
26-May-20	Upwind	9.7	0.0038	No
26-May-20	Downwind	9.6	<0.0023	No
27-May-20	Upwind	9.6	0.0066	No
27-May-20	Downwind	9.5	<0.0024	No
28-May-20	Upwind	9.6	0.0068	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
28-May-20	Downwind	9.5	<0.0024	No
29-May-20	Upwind	9.5	<0.0024	No
29-May-20	Downwind	9.5	0.0125	No
1-Jun-20	Upwind	7.5	0.0038	No
1-Jun-20	Downwind	7.4	<0.0030	No
2-Jun-20	Upwind	7.6	<0.0030	No
2-Jun-20	Downwind	7.6	0.0035	No
3-Jun-20	Upwind	7.6	0.0059	No
3-Jun-20	Downwind	7.6	<0.0030	No
4-Jun-20	Upwind	8.6	0.0045	No
4-Jun-20	Downwind	7.6	<0.0030	No
5-Jun-20	Upwind	7.5	0.0033	No
5-Jun-20	Downwind	7.5	<0.0030	No
8-Jun-20	Upwind	9.8	0.0046	No
8-Jun-20	Downwind	9.7	<0.0023	No
9-Jun-20	Upwind	9.7	<0.0023	No
9-Jun-20	Downwind	9.8	0.0029	No
10-Jun-20	Upwind	9.7	0.0040	No
10-Jun-20	Downwind	9.8	<0.0023	No
11-Jun-20	Upwind	9.8	0.0126	No
11-Jun-20	Downwind	9.8	0.0033	No
12-Jun-20	Upwind	9.6	0.0047	No
12-Jun-20	Downwind	9.8	0.0034	No
13-Jun-20	Upwind	9.5	0.0026	No
13-Jun-20	Downwind	9.6	<0.0023	No
15-Jun-20	Upwind	9.7	0.0070	No
15-Jun-20	Downwind	9.7	0.0039	No
16-Jun-20	Upwind	9.8	0.0059	No
16-Jun-20	Downwind	9.8	0.0092	No
17-Jun-20	Upwind	9.6	0.0026	No
17-Jun-20	Downwind	9.7	<0.0023	No
18-Jun-20	Upwind	9.7	0.0030	No
18-Jun-20	Downwind	9.7	0.0026	No
19-Jun-20	Upwind	9.8	0.0047	No
19-Jun-20	Downwind	9.8	0.0030	No
20-Jun-20	Upwind	9.8	<0.0023	No
20-Jun-20	Downwind	9.8	<0.0023	No
22-Jun-20	Upwind	9.6	0.0116	No
22-Jun-20	Downwind	9.7	<0.0023	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
23-Jun-20	Upwind	9.7	0.0026	No
23-Jun-20	Downwind	9.7	<0.0023	No
24-Jun-20	Upwind	9.7	0.0026	No
24-Jun-20	Downwind	9.7	<0.0023	No
25-Jun-20	Upwind	9.7	<0.0023	No
25-Jun-20	Downwind	9.7	<0.0023	No
26-Jun-20	Upwind	9.6	0.0047	No
26-Jun-20	Downwind	9.7	<0.0023	No
27-Jun-20	Upwind	9.7	<0.0023	No
27-Jun-20	Downwind	9.5	0.0052	No
29-Jun-20	Upwind	9.5	0.0026	No
29-Jun-20	Downwind	9.6	0.0043	No
30-Jun-20	Upwind	9.1	0.0066	No
30-Jun-20	Downwind	9.0	0.0046	No
1-Jul-20	Upwind	9.2	0.0049	No
1-Jul-20	Downwind	9.3	0.0031	No
2-Jul-20	Upwind	9.6	<0.0025	No
2-Jul-20	Downwind	9.3	<0.0024	No
6-Jul-20	Upwind	9.1	0.0026	No
6-Jul-20	Downwind	9.1	<0.0024	No
7-Jul-20	Upwind	9.7	<0.0023	No
7-Jul-20	Downwind	9.7	0.0032	No
8-Jul-20	Upwind	9.8	<0.0023	No
8-Jul-20	Downwind	9.5	<0.0023	No
9-Jul-20	Upwind	9.4	0.0026	No
9-Jul-20	Downwind	9.4	<0.0023	No
10-Jul-20	Upwind	9.2	0.0047	No
10-Jul-20	Downwind	9.1	<0.0023	No
13-Jul-20	Upwind	8.5	<0.0026	No
13-Jul-20	Downwind	8.4	0.0047	No
14-Jul-20	Upwind	9.1	0.0066	No
14-Jul-20	Downwind	8.8	<0.0025	No
15-Jul-20	Upwind	9.3	<0.0013	No
15-Jul-20	Downwind	8.8	0.0018	No
16-Jul-20	Upwind	9.1	0.0037	No
16-Jul-20	Downwind	8.9	<0.0023	No
17-Jul-20	Upwind	9.6	0.0044	No
17-Jul-20	Downwind	9.2	<0.0024	No
20-Jul-20	Upwind	9.3	0.0029	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
20-Jul-20	Downwind	8.9	<0.0025	No
21-Jul-20	Upwind	9.5	0.0041	No
21-Jul-20	Downwind	9.1	<0.0025	No
22-Jul-20	Upwind	8.6	<0.0026	No
22-Jul-20	Downwind	14.7	<0.0015	No
23-Jul-20	Upwind	15.8	0.0040	No
23-Jul-20	Downwind	16.0	<0.0014	No
24-Jul-20	Upwind	9.7	<0.0023	No
24-Jul-20	Downwind	9.3	0.0024	No
27-Jul-20	Upwind	16.1	0.0034	No
27-Jul-20	Downwind	14.6	<0.0015	No
28-Jul-20	Upwind	16.8	0.0022	No
28-Jul-20	Downwind	16.2	<0.0014	No
29-Jul-20	Upwind	14.9	0.0018	No
29-Jul-20	Downwind	15.1	<0.0015	No
30-Jul-20	Upwind	15.9	0.0026	No
30-Jul-20	Downwind	21.7	Note 4	Note 4
31-Jul-20	Upwind	9.7	<0.0023	No
31-Jul-20	Downwind	9.3	<0.0024	No
3-Aug-20	Upwind	17.6	0.0037	No
3-Aug-20	Downwind	14.6	0.0020	No
4-Aug-20	Upwind	17.5	0.0016	No
4-Aug-20	Downwind	17.0	<0.0013	No
5-Aug-20	Upwind	15.7	0.0034	No
5-Aug-20	Downwind	14.1	<0.0016	No
6-Aug-20	Upwind	16.6	0.0027	No
6-Aug-20	Downwind	15.3	0.0020	No
7-Aug-20	Upwind	9.6	0.0040	No
7-Aug-20	Downwind	9.3	<0.0024	No
10-Aug-20	Upwind	16.1	0.0039	No
10-Aug-20	Downwind	16.3	<0.0014	No
11-Aug-20	Upwind	14.9	0.0020	No
11-Aug-20	Downwind	15.5	<0.0014	No
12-Aug-20	Upwind	8.9	0.0118	No
12-Aug-20	Downwind	15.6	<0.0014	No
13-Aug-20	Upwind	16.6	0.0022	No
13-Aug-20	Downwind	15.4	<0.0015	No
14-Aug-20	Upwind	16.9	0.0017	No
14-Aug-20	Downwind	16.4	<0.0014	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
17-Aug-20	Upwind	17.4	0.0031	No
17-Aug-20	Downwind	17.7	<0.0013	No
18-Aug-20	Upwind	14.4	0.0053	No
18-Aug-20	Downwind	14.0	0.0019	No
19-Aug-20	Upwind	9.8	0.0138	No
19-Aug-20	Downwind	16.5	0.0027	No
20-Aug-20	Upwind	17.5	0.0056	No
20-Aug-20	Downwind	16.3	0.0026	No
21-Aug-20	Upwind	17.9	0.0014	No
21-Aug-20	Downwind	17.3	<0.0013	No
24-Aug-20	Upwind	15.9	0.0034	No
24-Aug-20	Downwind	15.1	<0.0015	No
25-Aug-20	Upwind	17.6	0.0029	No
25-Aug-20	Downwind	15.8	<0.0014	No
26-Aug-20	Upwind	12.4	<0.0018	No
26-Aug-20	Downwind	13.4	<0.0017	No
27-Aug-20	Upwind	16.1	0.0017	No
27-Aug-20	Downwind	14.8	<0.0015	No
28-Aug-20	Upwind	9.8	0.0059	No
28-Aug-20	Downwind	9.5	<0.0024	No
31-Aug-20	Upwind	15.5	0.0016	No
31-Aug-20	Downwind	15.2	<0.0015	No
1-Sep-20	Upwind	16.5	<0.0014	No
1-Sep-20	Downwind	8.4	<0.0027	No
2-Sep-20	Upwind	16.3	0.0045	No
2-Sep-20	Downwind	15.1	<0.0015	No
3-Sep-20	Upwind	15.3	0.0021	No
3-Sep-20	Downwind	15.5	<0.0014	No
4-Sep-20	Upwind	10.1	<0.0022	No
4-Sep-20	Downwind	9.8	<0.0023	No
7-Sep-20	Upwind	Labor Day	Labor Day	No
7-Sep-20	Downwind	Labor Day	Labor Day	No
8-Sep-20	Upwind	9.8	0.0033	No
8-Sep-20	Downwind	15.1	0.0024	No
9-Sep-20	Upwind	5.4	0.0068	No
9-Sep-20	Downwind	5.1	0.0056	No
10-Sep-20	Upwind	14.5	<0.0015	No
10-Sep-20	Downwind	15.4	<0.0015	No
11-Sep-20	Upwind	8.0	<0.0028	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
11-Sep-20	Downwind	7.8	<0.0029	No
14-Sep-20	Upwind	15.8	<0.0014	No
14-Sep-20	Downwind	15.6	<0.0014	No
15-Sep-20	Upwind	16.7	<0.0013	No
15-Sep-20	Downwind	15.1	<0.0015	No
16-Sep-20	Upwind	13.7	<0.0016	No
16-Sep-20	Downwind	14.0	<0.0016	No
17-Sep-20	Upwind	16.0	<0.0014	No
17-Sep-20	Downwind	14.2	<0.0016	No
18-Sep-20	Upwind	9.7	<0.0023	No
18-Sep-20	Downwind	9.5	<0.0024	No
21-Sep-20	Upwind	16.0	0.0026	No
21-Sep-20	Downwind	14.4	0.0021	No
22-Sep-20	Upwind	17.0	<0.0013	No
22-Sep-20	Downwind	16.9	<0.0013	No
23-Sep-20	Upwind	15.4	0.0023	No
23-Sep-20	Downwind	15.3	<0.0015	No
24-Sep-20	Upwind	17.1	0.0023	No
24-Sep-20	Downwind	13.1	0.0017	No
25-Sep-20	Upwind	8.3	0.0064	No
25-Sep-20	Downwind	8.3	<0.0027	No
28-Sep-20	Upwind	14.9	0.0036	No
28-Sep-20	Downwind	14.9	0.0021	No
29-Sep-20	Upwind	17.0	0.0014	No
29-Sep-20	Downwind	17.0	<0.0013	No
30-Sep-20	Upwind	16.4	<0.0014	No
30-Sep-20	Downwind	16.7	<0.0013	No
1-Oct-20	Upwind	15.7	<0.0014	No
1-Oct-20	Downwind	15.7	<0.0014	No
2-Oct-20	Upwind	7.4	<0.0030	No
2-Oct-20	Downwind	7.4	<0.0031	No
5-Oct-20	Upwind	9.2	0.0054	No
5-Oct-20	Downwind	7.3	0.0059	No
6-Oct-20	Upwind	9.1	0.0063	No
6-Oct-20	Downwind	16.9	0.0019	No
7-Oct-20	Upwind	5.8	<0.0039	No
7-Oct-20	Downwind	14.8	<0.0015	No
8-Oct-20	Upwind	8.3	<0.0027	No
8-Oct-20	Downwind	15.2	0.0024	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
9-Oct-20	Upwind	7.7	<0.0029	No
9-Oct-20	Downwind	7.5	<0.0030	No
12-Oct-20	Upwind	18.1	<0.0012	No
12-Oct-20	Downwind	10.7	<0.0021	No
13-Oct-20	Upwind	10.9	<0.0021	No
13-Oct-20	Downwind	16.0	<0.0014	No
14-Oct-20	Upwind	12.4	0.0023	No
14-Oct-20	Downwind	16.5	<0.0014	No
15-Oct-20	Upwind	15.1	0.0035	No
15-Oct-20	Downwind	7.6	0.0059	No
16-Oct-20	Upwind	7.8	0.0032	No
16-Oct-20	Downwind	7.5	<0.0030	No
19-Oct-20	Upwind	7.8	0.0015	No
19-Oct-20	Downwind	7.5	<0.0021	No
20-Oct-20	Upwind	16.4	<0.0021	No
20-Oct-20	Downwind	7.7	<0.0014	No
21-Oct-20	Upwind	24.0	0.0018	No
21-Oct-20	Downwind	24.1	<0.0014	No
22-Oct-20	Upwind	23.6	0.0016	No
22-Oct-20	Downwind	21.8	<0.0030	No
23-Oct-20	Upwind	17.4	<0.0013	No
23-Oct-20	Downwind	17.5	<0.0013	No
24-Oct-20	Upwind	5.5	<0.0041	No
24-Oct-20	Downwind	5.2	<0.0043	No
26-Oct-20	Upwind	14.7	0.0035	No
26-Oct-20	Downwind	14.7	0.0025	No
27-Oct-20	Upwind	16.4	0.0050	No
27-Oct-20	Downwind	16.7	<0.0013	No
28-Oct-20	Upwind	14.1	0.0045	No
28-Oct-20	Downwind	14.9	<0.0015	No
29-Oct-20	Upwind	15.2	0.0026	No
29-Oct-20	Downwind	14.4	0.0040	No
30-Oct-20	Upwind	17.1	0.0025	No
30-Oct-20	Downwind	14.5	0.0017	No
31-Oct-20	Upwind	7.7	0.0029	No
31-Oct-20	Downwind	7.7	0.0040	No
2-Nov-20	Upwind	15.5	0.0021	No
2-Nov-20	Downwind	15.3	0.0020	No
3-Nov-20	Upwind	21.5	<0.0010	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
3-Nov-20	Downwind	17.4	<0.0013	No
4-Nov-20	Upwind	21.3	0.0020	No
4-Nov-20	Downwind	13.9	0.0016	No
5-Nov-20	Upwind	22.8	<0.0010	No
5-Nov-20	Downwind	23.1	<0.0010	No
6-Nov-20	Upwind	24.0	<0.0009	No
6-Nov-20	Downwind	23.5	<0.0010	No
7-Nov-20	Upwind	24.3	<0.0009	No
7-Nov-20	Downwind	23.1	<0.0010	No
9-Nov-20	Upwind	13.8	<0.0016	No
9-Nov-20	Downwind	13.8	<0.0016	No
10-Nov-20	Upwind	14.1	0.0025	No
10-Nov-20	Downwind	14.7	<0.0015	No
11-Nov-20	Upwind	13.5	0.0021	No
11-Nov-20	Downwind	13.8	<0.0016	No
12-Nov-20	Upwind	17.0	<0.0013	No
12-Nov-20	Downwind	14.8	0.0017	No
13-Nov-20	Upwind	6.3	<0.0036	No
13-Nov-20	Downwind	5.9	<0.0038	No
14-Nov-20	Upwind	15.3	<0.0015	No
14-Nov-20	Downwind	13.5	<0.0017	No
16-Nov-20	Upwind	17.6	<0.0013	No
16-Nov-20	Downwind	15.3	<0.0015	No
17-Nov-20	Upwind	2.6	<0.0087	No
17-Nov-20	Downwind	3.4	<0.0066	No
18-Nov-20	Upwind	16.5	<0.0014	No
18-Nov-20	Downwind	15.6	<0.0014	No
19-Nov-20	Upwind	24.2	<0.0009	No
19-Nov-20	Downwind	24.1	<0.0009	No
20-Nov-20	Upwind	22.6	<0.0010	No
20-Nov-20	Downwind	22.5	<0.0010	No
21-Nov-20	Upwind	16.6	0.0016	No
21-Nov-20	Downwind	13.4	<0.0017	No
23-Nov-20	Upwind	14.2	0.0036	No
23-Nov-20	Downwind	12.6	0.0026	No
24-Nov-20	Upwind	15.5	0.0016	No
24-Nov-20	Downwind	12.9	0.0035	No
25-Nov-20	Upwind	9.5	0.0030	No
25-Nov-20	Downwind	10.9	<0.0021	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
26-Nov-20	Upwind	Note 2	Note 2	Note 2
26-Nov-20	Downwind	Note 2	Note 2	Note 2
27-Nov-20	Upwind	Note 2	Note 2	Note 2
27-Nov-20	Downwind	Note 2	Note 2	Note 2
30-Nov-20	Upwind	16.7	0.0017	No
30-Nov-20	Downwind	14.2	<0.0016	No
1-Dec-20	Upwind	15.3	<0.0015	No
1-Dec-20	Downwind	13.4	<0.0017	No
2-Dec-20	Upwind	15.4	0.0016	No
2-Dec-20	Downwind	12.6	<0.0018	No
3-Dec-20	Upwind	14.8	<0.0015	No
3-Dec-20	Downwind	13.8	<0.0016	No
4-Dec-20	Upwind	15.9	<0.0014	No
4-Dec-20	Downwind	13.4	<0.0017	No
5-Dec-20	Upwind	8.1	<.0.0027	No
5-Dec-20	Downwind	7.8	<0.0030	No
7-Dec-20	Upwind	14.5	0.0017	No
7-Dec-20	Downwind	12.9	0.0021	No
8-Dec-20	Upwind	14.3	0.0022	No
8-Dec-20	Downwind	14.2	0.0022	No
9-Dec-20	Upwind	14.3	<0.0016	No
9-Dec-20	Downwind	12.1	0.0024	No
10-Dec-20	Upwind	15.5	<0.0014	No
10-Dec-20	Downwind	12.1	<0.0019	No
11-Dec-20	Upwind	7.3	0.0048	No
11-Dec-20	Downwind	7.2	<0.0031	No
14-Dec-20	Upwind	14.8	<0.0015	No
14-Dec-20	Downwind	12.0	<0.0019	No
15-Dec-20	Upwind	13.9	<0.0016	No
15-Dec-20	Downwind	13.6	<0.0016	No
16-Dec-20	Upwind	14.5	0.0017	No
16-Dec-20	Downwind	12.8	<0.0018	No
18-Dec-20	Upwind	7.8	<0.0029	No
18-Dec-20	Downwind	7.5	0.0033	No
21-Dec-20	Upwind	15.0	<0.0015	No
21-Dec-20	Downwind	15.8	<0.0014	No
22-Dec-20	Upwind	9.3	<0.0024	No
22-Dec-20	Downwind	9.2	<0.0025	No
23-Dec-20	Upwind	6.2	<0.0036	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
23-Dec-20	Downwind	5.9	<0.0038	No
24-Dec-20	Upwind	Note 2	Note 2	Note 2
24-Dec-20	Downwind	Note 2	Note 2	Note 2
25-Dec-20	Upwind	Note 2	Note 2	Note 2
25-Dec-20	Downwind	Note 2	Note 2	Note 2
28-Dec-20	Upwind	15.7	0.0030	No
28-Dec-20	Downwind	12.4	0.0049	No
29-Dec-20	Upwind	12.6	<0.0018	No
29-Dec-20	Downwind	11.5	<0.0020	No
30-Dec-20	Upwind	14.6	<0.0015	No
30-Dec-20	Downwind	14.2	<0.0016	No
31-Dec-20	Upwind	16.0	<0.0014	No
31-Dec-20	Downwind	10.9	<0.0021	No
1-Jan-21	Upwind	Note 2	Note 2	Note 2
1-Jan-21	Downwind	Note 2	Note 2	Note 2
4-Jan-21	Upwind	Note 1	Note 1	Note 1
4-Jan-21	Downwind	Note 1	Note 1	Note 1
5-Jan-21	Upwind	10.9	<0.0021	No
5-Jan-21	Downwind	10.0	0.0027	No
6-Jan-21	Upwind	5.0	<0.0045	No
6-Jan-21	Downwind	4.8	<0.0046	No
7-Jan-21	Upwind	8.1	<0.0028	No
7-Jan-21	Downwind	10.1	<0.0022	No
8-Jan-21	Upwind	12.8	<0.0018	No
8-Jan-21	Downwind	13.5	<0.0017	No
11-Jan-21	Upwind	15.4	<0.0015	No
11-Jan-21	Downwind	11.2	<0.0020	No
12-Jan-21	Upwind	10.6	<0.0021	No
12-Jan-21	Downwind	12.3	<0.0018	No
13-Jan-21	Upwind	15.4	<0.0015	No
13-Jan-21	Downwind	11.1	<0.0020	No
14-Jan-21	Upwind	10.9	<0.0021	No
14-Jan-21	Downwind	12.0	0.0061	No
15-Jan-21	Upwind	7.8	<0.0029	No
15-Jan-21	Downwind	7.6	<0.0030	No
18-Jan-21	Upwind	Note 2	Note 2	Note 2
18-Jan-21	Downwind	Note 2	Note 2	Note 2
19-Jan-21	Upwind	11.6	<0.0019	No
19-Jan-21	Downwind	14.3	<0.0016	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
20-Jan-21	Upwind	14.6	<0.0015	No
20-Jan-21	Downwind	16.3	<0.0014	No
21-Jan-21	Upwind	7.6	<0.0030	No
21-Jan-21	Downwind	7.6	<0.0030	No
22-Jan-21	Upwind	3.3	<0.0069	No
22-Jan-21	Downwind	3.0	<0.0074	No
25-Jan-21	Upwind	7.9	0.0036	No
25-Jan-21	Downwind	7.8	<0.0029	No
26-Jan-21	Upwind	4.9	<0.0046	No
26-Jan-21	Downwind	4.8	<0.0046	No
27-Jan-21	Upwind	Note 1	Note 1	Note 1
27-Jan-21	Downwind	Note 1	Note 1	Note 1
28-Jan-21	Upwind	Note 1	Note 1	Note 1
28-Jan-21	Downwind	Note 1	Note 1	Note 1
29-Jan-21	Upwind	5.8	<0.0039	No
29-Jan-21	Downwind	5.5	<0.0041	No
1-Feb-21	Upwind	7.5	<0.0030	No
1-Feb-21	Downwind	7.3	<0.0031	No
2-Feb-21	Upwind	Note 1	Note 1	Note 1
2-Feb-21	Downwind	Note 1	Note 1	Note 1
3-Feb-21	Upwind	12.7	<0.0018	No
3-Feb-21	Downwind	10.3	<0.0022	No
4-Feb-21	Upwind	12.6	<0.0018	No
4-Feb-21	Downwind	13.8	<0.0016	No
5-Feb-21	Upwind	7.0	<0.0032	No
5-Feb-21	Downwind	6.8	<0.0033	No
8-Feb-21	Upwind	9.7	<0.0023	No
8-Feb-21	Downwind	7.7	<0.0029	No
9-Feb-21	Upwind	16.2	<0.0014	No
9-Feb-21	Downwind	11.2	<0.0020	No
10-Feb-21	Upwind	10.0	<0.0022	No
10-Feb-21	Downwind	9.5	<0.0024	No
11-Feb-21	Upwind	5.2	<0.0043	No
11-Feb-21	Downwind	4.7	<0.0048	No
12-Feb-21	Upwind	4.6	<0.0048	No
12-Feb-21	Downwind	6.8	<0.0033	No
15-Feb-21	Upwind	Note 1	Note 1	Note 1
15-Feb-21	Downwind	Note 1	Note 1	Note 1
16-Feb-21	Upwind	5.2	<0.0043	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
16-Feb-21	Downwind	3.4	<0.0066	No
17-Feb-21	Upwind	7.5	<0.0030	No
17-Feb-21	Downwind	10.9	<0.0021	No
18-Feb-21	Upwind	7.3	<0.0031	No
18-Feb-21	Downwind	3.8	<0.0060	No
19-Feb-21	Upwind	Note 1	Note 1	Note 1
19-Feb-21	Downwind	Note 1	Note 1	Note 1
22-Feb-21	Upwind	16.5	<0.0014	No
22-Feb-21	Downwind	12.1	<0.0019	No
23-Feb-21	Upwind	13.1	<0.0017	No
23-Feb-21	Downwind	16.1	<0.0014	No
24-Feb-21	Upwind	14.8	<0.0015	No
24-Feb-21	Downwind	9.6	<0.0023	No
25-Feb-21	Upwind	Note 4	Note 4	Note 4
25-Feb-21	Downwind	15.0	<0.0015	No
26-Feb-21	Upwind	3.4	<0.0066	No
26-Feb-21	Downwind	14.1	<0.0016	No
1-Mar-21	Upwind	11.6	0.0023	No
1-Mar-21	Downwind	11.5	<0.0020	No
2-Mar-21	Upwind	3.5	<0.0064	No
2-Mar-21	Downwind	10.8	<0.0021	No
3-Mar-21	Upwind	7.8	0.0034	No
3-Mar-21	Downwind	16.3	<0.0014	No
4-Mar-21	Upwind	14.2	0.0016	No
4-Mar-21	Downwind	10.8	<0.0021	No
5-Mar-21	Upwind	8.7	<0.0026	No
5-Mar-21	Downwind	14.9	<0.0015	No
8-Mar-21	Upwind	14.0	<0.0016	No
8-Mar-21	Downwind	9.0	<0.0025	No
9-Mar-21	Upwind	3.8	<0.0059	No
9-Mar-21	Downwind	6.0	<0.0037	No
10-Mar-21	Upwind	Note 1	Note 1	Note 1
10-Mar-21	Downwind	Note 1	Note 1	Note 1
11-Mar-21	Upwind	13.5	<0.0017	No
11-Mar-21	Downwind	3.8	<0.0060	No
12-Mar-21	Upwind	10.3	<0.0022	No
12-Mar-21	Downwind	16.6	<0.0014	No
15-Mar-21	Upwind	14.2	0.0017	No
15-Mar-21	Downwind	3.0	<0.0075	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
16-Mar-21	Upwind	4.0	<0.0056	No
16-Mar-21	Downwind	14.9	<0.0015	No
17-Mar-21	Upwind	14.0	<0.0016	No
17-Mar-21	Downwind	6.9	<0.0032	No
18-Mar-21	Upwind	Note 1	Note 1	Note 1
18-Mar-21	Downwind	Note 1	Note 1	Note 1
19-Mar-21	Upwind	16.5	0.0015	No
19-Mar-21	Downwind	8.5	<0.0026	No
22-Mar-21	Upwind	17.8	<0.0013	No
22-Mar-21	Downwind	11.3	0.0029	No
23-Mar-21	Upwind	17.0	0.0022	No
23-Mar-21	Downwind	14.5	0.0017	No
24-Mar-21	Upwind	9.2	0.0038	No
24-Mar-21	Downwind	15.7	<0.0014	No
25-Mar-21	Upwind	16.6	0.0027	No
25-Mar-21	Downwind	9.0	<0.0025	No
26-Mar-21	Upwind	9.3	0.0027	No
26-Mar-21	Downwind	15.8	0.0018	No
29-Mar-21	Upwind	16.1	0.0017	No
29-Mar-21	Downwind	12.1	0.0036	No
30-Mar-21	Upwind	10.3	<0.0022	No
30-Mar-21	Downwind	18.1	0.0012	No
31-Mar-21	Upwind	15.6	<0.0014	No
31-Mar-21	Downwind	15.3	<0.0015	No
1-Apr-21	Upwind	11.0	<0.0020	No
1-Apr-21	Downwind	15.5	<0.0015	No
2-Apr-21	Upwind	13.8	0.0039	No
2-Apr-21	Downwind	15.8	<0.0014	No
5-Apr-21	Upwind	8.2	<0.0028	No
5-Apr-21	Downwind	16.0	<0.0014	No
6-Apr-21	Upwind	14.8	<0.0015	No
6-Apr-21	Downwind	15.1	<0.0015	No
7-Apr-21	Upwind	7.2	<0.0031	No
7-Apr-21	Downwind	14.8	<0.0015	No
8-Apr-21	Upwind	14.1	0.0017	No
8-Apr-21	Downwind	15.4	<0.0015	No
9-Apr-21	Upwind	14.9	<0.0015	No
9-Apr-21	Downwind	7.5	<0.0030	No
12-Apr-21	Upwind	17.1	<0.0013	No

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Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
12-Apr-21	Downwind	15.0	<0.0015	No
13-Apr-21	Upwind	14.9	<0.0015	No
13-Apr-21	Downwind	11.0	0.0037	No
14-Apr-21	Upwind	14.1	<0.0015	No
14-Apr-21	Downwind	15.4	0.0016	No
15-Apr-21	Upwind	9.7	<0.0023	No
15-Apr-21	Downwind	15.0	<0.0015	No
16-Apr-21	Upwind	14.2	<0.0016	No
16-Apr-21	Downwind	15.1	<0.0015	No
19-Apr-21	Upwind	7.1	<0.0032	No
19-Apr-21	Downwind	16.2	<0.0014	No
20-Apr-21	Upwind	14.7	0.0020	No
20-Apr-21	Downwind	15.0	0.0006	No (Note 5)
21-Apr-21	Upwind	7.6	<0.0030	No
21-Apr-21	Downwind	14.8	<0.0015	No
22-Apr-21	Upwind	14.5	<0.0016	No
22-Apr-21	Downwind	14.9	<0.0015	No
23-Apr-21	Upwind	14.7	<0.0015	No
23-Apr-21	Downwind	14.2	<0.0016	No
26-Apr-21	Upwind	8.4	<0.0027	No
26-Apr-21	Downwind	14.6	0.0043	No
27-Apr-21	Upwind	15.0	<0.0015	No
27-Apr-21	Downwind	17.2	0.0019	No
28-Apr-21	Upwind	10.1	<0.0022	No
28-Apr-21	Downwind	15.8	0.0016	No
29-Apr-21	Upwind	15.7	0.0060	No
29-Apr-21	Downwind	16.2	0.0018	No
30-Apr-21	Upwind	15.9	0.0019	No
30-Apr-21	Downwind	15.2	0.0016	No
3-May-21	Upwind	17.3	0.0013	No
3-May-21	Downwind	9.5	<0.0024	No
4-May-21	Upwind	17.3	0.0013	No
4-May-21	Downwind	15.5	<0.0015	No
5-May-21	Upwind	16.3	<0.0014	No
5-May-21	Downwind	8.6	<0.0026	No
6-May-21	Upwind	10.0	<0.0023	No
6-May-21	Downwind	10.0	<0.0022	No
7-May-21	Upwind	15.3	0.0017	No
7-May-21	Downwind	10.0	<0.0022	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
10-May-21	Upwind	10.0	<0.0022	No
10-May-21	Downwind	10.0	<0.0022	No
11-May-21	Upwind	10.0	<0.0022	No
11-May-21	Downwind	10.0	<0.0022	No
12-May-21	Upwind	10.0	0.0029	No
12-May-21	Downwind	10.0	<0.0022	No
13-May-21	Upwind	10.0	<0.0022	No
13-May-21	Downwind	10.0	<0.0022	No
14-May-21	Upwind	10.0	<0.0022	No
14-May-21	Downwind	10.0	<0.0022	No
17-May-21	Upwind	10.0	<0.0022	No
17-May-21	Downwind	10.0	<0.0022	No
18-May-21	Upwind	10.0	<0.0022	No
18-May-21	Downwind	10.0	0.0025	No
19-May-21	Upwind	10.0	0.0051	No
19-May-21	Downwind	10.0	Note 4	Note 4
20-May-21	Upwind	10.0	<0.0022	No
20-May-21	Downwind	10.0	0.0025	No
21-May-21	Upwind	10.0	0.0025	No
21-May-21	Downwind	10.0	<0.0022	No
24-May-21	Upwind	10.0	<0.0022	No
24-May-21	Downwind	10.0	<0.0022	No
25-May-21	Upwind	10.0	<0.0022	No
25-May-21	Downwind	10.0	<0.0022	No
26-May-21	Upwind	10.0	<0.0022	No
26-May-21	Downwind	10.0	<0.0022	No
27-May-21	Upwind	10.0	0.0029	No
27-May-21	Downwind	10.0	0.0027	No
28-May-21	Upwind	10.0	<0.0022	No
28-May-21	Downwind	10.0	<0.0022	No
31-May-21	Upwind	Note 2	Note 2	Note 2
31-May-21	Downwind	Note 2	Note 2	Note 2
1-Jun-21	Upwind	10.0	0.0025	No
1-Jun-21	Downwind	10.0	<0.0022	No
2-Jun-21	Upwind	10.0	<0.0022	No
2-Jun-21	Downwind	10.0	<0.0022	No
3-Jun-21	Upwind	10.0	0.0037	No
3-Jun-21	Downwind	10.0	<0.0022	No
4-Jun-21	Upwind	10.0	<0.0022	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
4-Jun-21	Downwind	10.0	0.0025	No
7-Jun-21	Upwind	10.0	0.0031	No
7-Jun-21	Downwind	10.0	<0.0022	No (Note 5)
8-Jun-21	Upwind	10.0	<0.0022	No
8-Jun-21	Downwind	10.0	<0.0022	No
9-Jun-21	Upwind	10.0	0.0025	No
9-Jun-21	Downwind	10.0	<0.0022	No
10-Jun-21	Upwind	10.0	0.0039	No
10-Jun-21	Downwind	10.0	<0.0022	No
11-Jun-21	Upwind	10.0	<0.0022	No
11-Jun-21	Downwind	10.0	<0.0022	No
14-Jun-21	Upwind	10.0	0.0037	No
14-Jun-21	Downwind	10.0	<0.0022	No
15-Jun-21	Upwind	10.0	0.0023	No
15-Jun-21	Downwind	10.0	<0.0022	No
16-Jun-21	Upwind	10.0	0.0025	No
16-Jun-21	Downwind	10.0	0.0025	No
17-Jun-21	Upwind	10.0	0.0031	No
17-Jun-21	Downwind	10.0	0.0033	No
18-Jun-21	Upwind	10.0	0.0029	No
18-Jun-21	Downwind	10.0	<0.0022	No
21-Jun-21	Upwind	10.0	<0.0022	No
21-Jun-21	Downwind	10.0	<0.0022	No
22-Jun-21	Upwind	10.0	<0.0022	No
22-Jun-21	Downwind	10.0	<0.0022	No
23-Jun-21	Upwind	10.0	<0.0022	No
23-Jun-21	Downwind	10.0	<0.0022	No
24-Jun-21	Upwind	10.0	<0.0022	No
24-Jun-21	Downwind	10.0	<0.0022	No
25-Jun-21	Upwind	10.0	<0.0022	No
25-Jun-21	Downwind	10.0	<0.0022	No
28-Jun-21	Upwind	10.0	<0.0022	No
28-Jun-21	Downwind	10.0	<0.0022	No
29-Jun-21	Upwind	10.0	0.0025	No
29-Jun-21	Downwind	10.0	<0.0022	No
30-Jun-21	Upwind	10.0	<0.0022	No
30-Jun-21	Downwind	10.0	<0.0022	No
1-Jul-21	Upwind	10.0	<0.0022	No
1-Jul-21	Downwind	10.0	<0.0022	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
2-Jul-21	Upwind	10.0	<0.0022	No
2-Jul-21	Downwind	10.0	<0.0022	No
5-Jul-21	Upwind	Note 2	Note 2	Note 2
5-Jul-21	Downwind	Note 2	Note 2	Note 2
6-Jul-21	Upwind	10.0	<0.0022	No
6-Jul-21	Downwind	10.0	<0.0022	No
7-Jul-21	Upwind	10.0	<0.0022	No
7-Jul-21	Downwind	10.0	<0.0022	No
8-Jul-21	Upwind	10.0	<0.0022	No
8-Jul-21	Downwind	10.0	<0.0022	No
9-Jul-21	Upwind	10.0	0.0029	No
9-Jul-21	Downwind	10.0	<0.0022	No
12-Jul-21	Upwind	10.0	<0.0022	No
12-Jul-21	Downwind	10.0	<0.0022	No
13-Jul-21	Upwind	10.0	<0.0022	No
13-Jul-21	Downwind	10.0	<0.0022	No
14-Jul-21	Upwind	10.0	<0.0022	No
14-Jul-21	Downwind	10.0	<0.0022	No
15-Jul-21	Upwind	10.0	<0.0022	No
15-Jul-21	Downwind	10.0	<0.0022	No
16-Jul-21	Upwind	10.0	<0.0022	No
16-Jul-21	Downwind	10.0	<0.0022	No
19-Jul-21	Upwind	10.0	0.0098	No
19-Jul-21	Downwind	10.0	<0.0022	No
20-Jul-21	Upwind	10.0	<0.0022	No
20-Jul-21	Downwind	10.0	<0.0022	No
21-Jul-21	Upwind	10.0	<0.0022	No
21-Jul-21	Downwind	10.0	<0.0022	No
22-Jul-21	Upwind	10.0	<0.0022	No
22-Jul-21	Downwind	10.0	0.0023	No
23-Jul-21	Upwind	10.0	0.0037	No
23-Jul-21	Downwind	10.0	<0.0022	No
24-Jul-21	Upwind	10.0	<0.0022	No
24-Jul-21	Downwind	10.0	<0.0022	No
26-Jul-21	Upwind	10.0	0.0033	No
26-Jul-21	Downwind	10.0	<0.0022	No
27-Jul-21	Upwind	10.0	0.0023	No
27-Jul-21	Downwind	10.0	0.0029	No
28-Jul-21	Upwind	10.0	0.0029	No

Attachment 1, Table 4: Asbestos Sampling Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
28-Jul-21	Downwind	10.0	0.0202	No
29-Jul-21	Upwind	10.0	0.0035	No
29-Jul-21	Downwind	10.0	0.0070	No
30-Jul-21	Upwind	10.0	<0.0022	No
30-Jul-21	Downwind	10.0	0.0601	No

Attachment 1, Table 4: Asbestos Sampling Results

Notes:
Note 1: Sample not collected due to inclement weather conditions: Rain.
Note 2: Samples were not collected as project site was closed for holidays.
Note 3: Samples were not collected as no excavation was conducted.
Note 4: Filter cartridge damaged, no Asbestos result.
Note 5: Sample was re-analyzed using TEM due to high bulk fiber result exceeding action limit.

Sample locations are shown on Figure 1.
Upwind station is located at Air Sampling Station #1; Downwind station is located at
Prevailing winds come out of the northwest

The action limit for asbestos is 0.1 fibers/cm^3.
The detection limit is 0.003 fibers/cm^3 assuming a minimum sample volume of 900
< - less than
fibers/cm^3 - fibers per cubic centimeter

ATTACHMENT 2
ANALYTICAL LABORATORY REPORTS

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-64523-1
Client Project/Site: HPNS - Parcel E / 500712

For:
Aptim Federal Services LLC
Hunters Point Shipyard
200 Fisher Blvd
San Francisco, California 94124

Attn: Rose Condit

Terri Chang

Authorized for release by:
7/29/2021 12:01:22 PM

Terri Chang, Project Manager I
(714)895-5494
Terri.Chang@eurofinset.com

LINKS

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www.eurofinsus.com/Env

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

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

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

Table of Contents

Job ID: 570-64523-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-64523-1

Comments
No additional comments.

Receipt
The samples were received on 7/15/2021 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

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

Subcontract Work
Method Asbestos - Low Flow: This method was subcontracted to EMSL - LA Testing - Huntington Beach. The subcontract laboratory certification is different from that of the facility issuing the final report.

Sample Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-64523-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-64523-1	PE-ASB070621-B606UPWIND	Air	07/06/21 07:09	07/15/21 10:15
570-64523-2	PE-ASB070621-12ADOWNWIND	Air	07/06/21 08:45	07/15/21 10:15
570-64523-3	PE-ASB070721-B606UPWIND	Air	07/07/21 07:05	07/15/21 10:15
570-64523-4	PE-ASB070721-12ADOWNWIND	Air	07/07/21 07:26	07/15/21 10:15
570-64523-5	PE-ASB070821-B606UPWIND	Air	07/08/21 07:04	07/15/21 10:15
570-64523-6	PE-ASB070821-12ADOWNWIND	Air	07/08/21 07:28	07/15/21 10:15
570-64523-7	PE-ASB070921-B606UPWIND	Air	07/09/21 07:05	07/15/21 10:15
570-64523-8	PE-ASB070921-12ADOWNWIND	Air	07/09/21 07:28	07/15/21 10:15
570-64523-9	PE-ASB070921-BLANK	Air	07/09/21 07:00	07/15/21 10:15

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332116596
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 07/16/2021 10:50 AM
Analysis Date: 07/29/2021
Collected Date: 07/06/2021 - 07/09/2021

Project: HPNS - Parcel E / 500712 / 570-64523

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
PE-ASB070621-B606UPW IND (570-64523-1) *332116596-0001*		07/06/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB070621-12ADOW NWIND (570-64523-2) *332116596-0002*		07/06/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	Sample pulled for 10% Recount.
PE-ASB070721-B606UPW IND (570-64523-3) *332116596-0003*		07/07/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB070721-12ADOW NWIND (570-64523-4) *332116596-0004*		07/07/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB070821-B606UPW IND (570-64523-5) *332116596-0005*		07/08/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB070821-12ADOW NWIND (570-64523-6) *332116596-0006*		07/08/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB070921-B606UPW IND (570-64523-7) *332116596-0007*		07/09/2021	1200	7	100	0.0022	8.92	0.0029	
PE-ASB070921-12ADOW NWIND (570-64523-8) *332116596-0008*		07/09/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB070921-BLANK (570-64523-9) *332116596-0009*		07/09/2021		<5.5	100		<7.01		Field Blank
PE-ASB070621-12ADOW NWIND (570-64523-2) *332116596-0010*		07/06/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	10% Recount; Individual-CV=0.27

The results reported have been blank corrected as applicable.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from: 07/29/2021 09:28 AM

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332116596
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 07/16/2021 10:50 AM
Analysis Date: 07/29/2021
Collected Date: 07/06/2021 - 07/09/2021

Project: HPNS - Parcel E / 500712 / 570-64523

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes

Analyst(s):
Alexis Rodriguez PCM 10

Michael Chapman, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from: 07/29/2021 09:28 AM

64523

APTIM

570-64523 Chain of Custody

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 068

Page 1 of 1

APTIM Federal Services, LLC

4005 Port Chicago Hwy

Concord, CA 94520

Project Number: 500712

Project Name: HPNS - Parcel E

Project Location: San Francisco, CA

Purchase Order #: 1168336

Lab Destination: Eurofins-Calscience

7440 Lincoln Way

Garden Grove CA 92841

Lab Contact: Terri Chang

Project Manager: *Nels Johnson*

Send Report To: *Jose Maldonado*

Phone/Fax Number: *415-340-9637*

Address: *4005 Port Chicago Hwy*

City: *Concord, CA 94520*

Jose.Maldonado@aptim.com

Sampler's Name(s): JM

	Sample ID Number	Filter No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010B)	Flow Rate (L/min.)	Sample Volume (m^3)			
1	PE-ASB070621-B606UPWIND	CZ552052	07/06/21	7:09	G	A	1	PCM			X			2.00	1.20			
2	PE-ASB070621-12ADOWNWIND	CZ552244	07/06/21	8.45	G	A	1	PCM			X			2.00	1.20			
3	PE-ASB070721-B606UPWIND	CZ552115	07/07/21	7:05	G	A	1	PCM			X			2.00	1.20			
4	PE-ASB070721-12ADOWNWIND	CZ552255	07/07/21	7 26	G	A	1	PCM			X			2.00	1.20			
5	PE-ASB070821-B606UPWIND	CZ552062	07/08/21	7:04	G	A	1	PCM			X			2.00	1.20			
6	PE-ASB070821-12ADOWNWIND	CZ552330	07/08/21	7:28	G	A	1	PCM			X			2.00	1.20			
7	PE-ASB070921-B606UPWIND	CZ552100	07/09/21	7:05	G	A	1	PCM			X			2.00	1.20			
8	PE-ASB070921-12ADOWNWIND	CZ552310	07/09/21	7:28	G	A	1	PCM			X			2.00	1.20			
9	PE-ASB070921-BLANK	CZ552129	07/09/21	7:00	G	A	1	PCM			X			NA				
1	Temperature Blank																	X

Special Instructions: J to MDL

Turn Around Time

☐ 24-hr ☐ 5-day ☑ 10-day

Level Of QC Required:

I ☐ II ☐ III ☐ Project Specific

Relinquished By: Jose Maldonado	Date: 7/14	Received By: M Valentine	Date: 7/14/21
	Time: 10.05		Time: 1025
Relinquished By: to GLS	Date: 7/14/21	Received By:	Date: 7/15/21
	Time: 1630		Time: 1015
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Relinquished By:	Date:	Received By	Date:
	Time:		Time:

Method Codes

C = Composite G = Grab

Matrix Codes

SO =Soil

DW = Drinking Water SL = Sludge

GW = Ground Water CP = Chip Samples

WW = Waste Water

A=Air

ABS=Asbestos, PO=Pipe Opening

64547

AIR MONITORING LOG

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 068

SAMPLE NO. PE-ASB070621-B606UPWIND 7/6/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552052	2 000	2 000	2.000	7/06/21 07:09	7/06/21 17 09	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB070621-12ADOWNWIND 7/6/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552244	2 000	2.000	2.000	7/06/21 08:45	7/06/21 18·45	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB070721-B606UPWIND 7/7/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552115	2.000	2.000	2.000	7/07/21 07.05	7/07/21 17:05	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB070721-12ADOWNWIND 7/7/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552255	2.000	2.000	2.000	7/07/21 07:26	7/07/21 17:26	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB070821-B606UPWIND 7/8/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552062	2.000	2.000	2.000	7/08/21 07:04	7/08/21 17:04	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB070821-12ADOWNWIND 7/8/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552330	2 000	2.000	2.000	7/08/21 07:28	7/08/21 17:28	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB070921-B606UPWIND 7/9/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552100	2.000	2.000	2.000	7/09/21 07:05	7/09/21 17:05	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB070921-12ADOWNWIND 7/9/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552310	2.000	2.000	2.0	7/09/21 07:28	7/09/21 17:28	600	1.20	Asbestos	2.00

6452

SAMPLE NO.	PE-ASB070921-BLANK				7/9/2021	Building 606 Upwind			
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552129				7/09/21 07 00			0.0	Asbestos	

Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-64523-1

Login Number: 64523
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

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

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-65173-1
Client Project/Site: HPNS - Parcel E / 500712
Revision: 1

For:
Aptim Federal Services LLC
Hunters Point Shipyard
200 Fisher Blvd
San Francisco, California 94124

Attn: Rose Condit

Kathleen M. Burney

Authorized for release by:
8/31/2021 2:26:09 PM
Kathleen Burney, Project Mgmt. Assistant
Kathleen.Burney@eurofinset.com

Designee for

Terri Chang, Project Manager I
(714)895-5494
Terri.Chang@eurofinset.com

LINKS

Review your project results through TotalAccess

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Visit us at: www.eurofinsus.com/Env

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

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

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

Table of Contents

Job ID: 570-65173-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-65173-1

Comments
No additional comments.

Revision
Report revised to correct data-entry error for the subcontracted asbestos results.

Receipt
The samples were received on 7/22/2021 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

Receipt Exceptions
Method Subcontract: The following samples were submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): PE-ASB071621-B606UPWIND (570-65173-10) and PE-ASB071621-12ADOWNWIND (570-65173-11). Analysis was added per client's instruction received on 7/23/2021.

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

Subcontract Work
Method Asbestos - Low Flow: This method was subcontracted to EMSL - LA Testing - Huntington Beach. The subcontract laboratory certification is different from that of the facility issuing the final report.

Sample Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65173-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-65173-1	PE-ASB071221-B606UPWIND	Air	07/12/21 07:07	07/22/21 10:45
570-65173-2	PE-ASB071221-12ADOWNWIND	Air	07/12/21 07:36	07/22/21 10:45
570-65173-3	PE-ASB071321-B606UPWIND	Air	07/13/21 07:30	07/22/21 10:45
570-65173-4	PE-ASB071321-12ADOWNWIND	Air	07/13/21 07:25	07/22/21 10:45
570-65173-5	PE-ASB071421-B606UPWIND	Air	07/14/21 07:43	07/22/21 10:45
570-65173-6	PE-ASB071421-12ADOWNWIND	Air	07/14/21 07:32	07/22/21 10:45
570-65173-7	PE-ASB071521-B606UPWIND	Air	07/15/21 07:41	07/22/21 10:45
570-65173-8	PE-ASB071521-12ADOWNWIND	Air	07/15/21 07:37	07/22/21 10:45
570-65173-9	PE-ASB071621-BLANK	Air	07/16/21 07:00	07/22/21 10:45
570-65173-10	PE-ASB071621-B606UPWIND	Air	07/16/21 07:32	07/22/21 10:45
570-65173-11	PE-ASB071621-12ADOWNWIND	Air	07/16/21 07:41	07/22/21 10:45

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332117059
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 07/23/2021 01:45 PM
Analysis Date: 07/30/2021
Collected Date: 07/12/2021 - 07/16/2021

Project: HPNS - Parcel E / 500712 / 570-65173

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
PE-ASB071221-B606UPW IND (570-65173-1) *332117059-0001*		07/12/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071221-12ADOW NUPWIND (570-65173-2) *332117059-0002*		07/12/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071321-B606UPW IND (570-65173-3) *332117059-0003*		07/13/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071321-12ADOW NUPWIND (570-65173-4) *332117059-0004*		07/13/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071421-B606UPW IND (570-65173-5) *332117059-0005*		07/14/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071421-12ADOW NUPWIND (570-65173-6) *332117059-0006*		07/14/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071521-B606UPW IND (570-65173-7) *332117059-0007*		07/15/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071521-12ADOW NUPWIND (570-65173-8) *332117059-0008*		07/15/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071621-BLANK (570-65173-9) *332117059-0009*		07/16/2021		<5.5	100		<7.01		Field Blank
PE-ASB071621-B606UPW IND (570-65173-10) *332117059-0010*		07/16/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071621-12ADOW NUPWIND (570-65173-11) *332117059-0011*		07/16/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB071221-B606UPW IND (570-65173-1) *332117059-0012*		07/12/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	10% Recount; Individual-CV=0.23
PE-ASB071621-12ADOW NUPWIND (570-65173-11)		07/16/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	10% Recount; Individual-CV=0.23

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Report Amended: 08/30/2021 10:15 AM Replaces initial report from: 07/30/2021 09:19 AM Reason Code Data Entry-Change to Sample Volume

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332117059
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 07/23/2021 01:45 PM
Analysis Date: 07/30/2021
Collected Date: 07/12/2021 - 07/16/2021

Project: HPNS - Parcel E / 500712 / 570-65173

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
332117059-0013									

The results reported have been blank corrected as applicable.

Analyst(s):
Brian Magumcia PCM 13

Michael Chapman, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Report Amended: 08/30/2021 10:15 AM Replaces initial report from: 07/30/2021 09:19 AM Reason Code Data Entry-Change to Sample Volume

570-65173 Chain of Custody

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 068

APTIM Federal Services, LLC
4005 Port Chicago Hwy
Concord, CA 94520

Project Manager: *Nels Johnson*
Send Report To: *Jose Maldonado*
Phone/Fax Number: *415-340-9637*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
Jose.Maldonado@aptim.com

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1168336
Lab Destination: Eurofins-Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Sampler's Name(s): JM

	Sample ID Number	Filter No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010B)	Flow Rate (L/min.)	Sample Volume (m^3)			
1	PE-ASB071221-B606UPWIND	CZ552099	07/12/21	7:07	G	A	1	PCM			X			2.00	1.20			
2	PE-ASB071221-12ADOWNWIND	CZ552111	07/12/21	7.36	G	A	1	PCM			X			2.00	1.20			
3	PE-ASB071321-B606UPWIND	CZ552054	07/13/21	7:30	G	A	1	PCM			X			2.00	1.20			
4	PE-ASB071321-12ADOWNWIND	CZ552121	07/13/21	7 25	G	A	1	PCM			X			2.00	1.20			
5	PE-ASB071421-B606UPWIND	CZ552073	07/14/21	7:43	G	A	1	PCM			X			2.00	1.20			
6	PE-ASB071421-12ADOWNWIND	CZ552109	07/14/21	7.32	G	A	1	PCM			X			2.00	1.20			
7	PE-ASB071521-B606UPWIND	CZ552105	07/15/21	7:41	G	A	1	PCM			X			2.00	1.20			
8	PE-ASB071521-12ADOWNWIND	CZ552064	07/15/21	7·37	G	A	1	PCM			X			2.00	1.20			
9	PE-ASB071621-BLANK	DA341070	07/16/21	7:00	G	A	1	PCM			X			NA				
	Temperature Blank																	x

Special Instructions: J to MDL

Turn Around Time: ☐ 24-hr ☐ 5-day ☑ 10-day

Level Of QC Required: I ☐ II ☑ III ☐ Project Specific.

Relinquished By: Jose Maldonado	Date: 7/19/21	Received By: M Valentine	Date: 7/19/21
	Time: 1130		Time: 1130
Relinquished By: to G/S	Date: 7/21/21	Received By:	Date: 7/22/21
	Time: 1630		Time: 10:15
Relinquished By:	Date:	Received By	Date:
	Time:		Time:
Relinquished By:	Date:	Received By	Date.
	Time:		Time:

Method Codes
C = Composite
G = Grab

Matrix Codes
DW = Drinking Water
SO =Soil
GW = Ground Water
SL = Sludge
WW = Waste Water
CP = Chip Samples
A=Air

ABS=Asbestos, PO=Pipe Opening

AIR MONITORING LOG

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 068

SAMPLE NO. PE-ASB071221-B606UPWIND 7/12/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552099	2.000	2 000	2.000	7/12/21 07:07	7/12/21 17 07	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071221-12ADOWNWIND 7/12/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552111	2.000	2 000	2.000	7/12/21 07:36	7/12/21 17:36	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071321-B606UPWIND 7/13/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552054	2 000	2.000	2.000	7/13/21 07:30	7/13/21 17:30	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071321-12ADOWNWIND 7/13/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552121	2 000	2 000	2.000	7/13/21 07:25	7/13/21 17:25	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071421-B606UPWIND 7/14/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552073	2.000	2.000	2.000	7/14/21 07:43	7/14/21 17:43	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071421-12ADOWNWIND 7/14/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552109	2.000	2.000	2.000	7/14/21 07:32	7/14/21 17.32	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071521-B606UPWIND 7/15/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552105	2 000	2.000	2.000	7/15/21 07:41	7/15/21 17:41	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071521-12ADOWNWIND 7/15/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552064	2 000	2.000	2.0	7/15/21 07:37	7/15/21 17.37	600	1.20	Asbestos	2.00

SAMPLE NO.	PE-ASB071621-B606UPWIND			7/16/2021 *Building 606 Upwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341099	2 000	2.000	2.0	7/16/21 07:32	7/16/21 17.32	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB071621-12ADOWNWIND			7/16/2021 *12A Downwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552327	2 000	2 000	2.0	7/16/21 07:41	7/16/21 17·41	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB071621-BLANK				7/16/2021 *Building 606 Upwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341070				7/16/21 07:00			0.0	Asbestos	

Revised
rev. 2 AE 7/26/21

65173

570-65173 Chain of Custody

APTIM

CHAIN OF COUSTODY

Ref. Document # CTO 0024 - AIR ~~065~~ 069 AE 7/26
Page 1 of 1

APTIM Federal Services, LLC
4005 Port Chicago Hwy
Concord, CA 94520

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1168336
Lab Destination: Eurofins-Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Project Manager: *Nels Johnson*
Send Report To: *Jose Maldonado*
Phone/Fax Number: *415-340-9637*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
Jose.Maldonado@aptim.com

Sampler's Name(s): JM

Analyses Requested

	Sample ID Number	Filter No.	Date	Time	Method	Matrix	# of containers	Container Type	PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010B)	Flow Rate (L/min.)	Sample Volume (m³)			
1	PE-ASB071221-B606UPWIND	CZ552099	07/12/21	7:07	G	A	1	PCM			X			2.00	1.20			
2	PE-ASB071221-12ADOWNWIND	CZ552111	07/12/21	7:36	G	A	1	PCM			X			2.00	1.20			
3	PE-ASB071321-B606UPWIND	CZ552054	07/13/21	7:30	G	A	1	PCM			X			2.00	1.20			
4	PE-ASB071321-12ADOWNWIND	CZ552121	07/13/21	7:25	G	A	1	PCM			X			2.00	1.20			
5	PE-ASB071421-B606UPWIND	CZ552073	07/14/21	7:43	G	A	1	PCM			X			2.00	1.20			
6	PE-ASB071421-12ADOWNWIND	CZ552109	07/14/21	7:32	G	A	1	PCM			X			2.00	1.20			
7	PE-ASB071521-B606UPWIND	CZ552105	07/15/21	7:41	G	A	1	PCM			X			2.00	1.20			
8	PE-ASB071521-12ADOWNWIND	CZ552064	07/15/21	7:37	G	A	1	PCM			X			2.00	1.20			
9	PE-ASB071621-BLANK	DA341070	07/16/21	7:00	G	A	1	PCM			X			NA				
	Temperature Blank																	x

Special Instructions: J to MDL

Turn Around Time: ☐ 24-hr ☐ 5-day ☒ 10-day

Level Of QC Required: I **II** III Project Specific

Relinquished By	Date / Time	Received By	Date / Time
Relinquished By: Jose Maldonado — *Jose Maldonado* (signature)	Date: 7/21/21 Time: 1130	Received By: (signature) M Valentine	Date: 7/21/21 Time: 1130
Relinquished By: (signature) to G/S	Date: 7/21/21 Time: 1630	Received By: (signature)	Date: 7/22/21 Time: 10 15
Relinquished By:	Date: Time:	Received By:	Date: Time:
Relinquished By:	Date: Time:	Received By:	Date: Time:

Method Codes
C = Composite
G = Grab

Matrix Codes
DW = Drinking Water
GW = Ground Water
WW = Waste Water
A = Air
SO = Soil
SL = Sludge
CP = Chip Samples

ABS = Asbestos, PO = Pipe Overwrap

PE-ASB071621-B606UPWIND	DA341099	7/16/21	7:32	G	A	1	PCM		X			2.00	1.20
PE-ASB071621-12ADOWNWIND	CZ552327	7/16/21	7:32	G	A	1	PCM		X			2.00	1.20

Jose Maldonado 7/16/21

AIR MONITORING LOG

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 068 ~~069~~ AE 7/26

SAMPLE NO. PE-ASB071221-B606UPWIND 7/12/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552099	2.000	2 000	2.000	7/12/21 07:07	7/12/21 17 07	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071221-12ADOWNWIND 7/12/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552111	2.000	2 000	2.000	7/12/21 07:36	7/12/21 17:36	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071321-B606UPWIND 7/13/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552054	2 000	2.000	2.000	7/13/21 07:30	7/13/21 17:30	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071321-12ADOWNWIND 7/13/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552121	2 000	2 000	2.000	7/13/21 07:25	7/13/21 17:25	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071421-B606UPWIND 7/14/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552073	2.000	2.000	2.000	7/14/21 07:43	7/14/21 17:43	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071421-12ADOWNWIND 7/14/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552109	2.000	2.000	2.000	7/14/21 07:32	7/14/21 17.32	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071521-B606UPWIND 7/15/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552105	2 000	2.000	2.000	7/15/21 07:41	7/15/21 17:41	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB071521-12ADOWNWIND 7/15/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552064	2 000	2.000	2.0	7/15/21 07:37	7/15/21 17.37	600	1.20	Asbestos	2.00

SAMPLE NO.	PE-ASB071621-B606UPWIND			7/16/2021 *Building 606 Upwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341099	2 000	2.000	2.0	7/16/21 07:32	7/16/21 17.32	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB071621-12ADOWNWIND			7/16/2021 *12A Downwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CZ552327	2 000	2 000	2.0	7/16/21 07:41	7/16/21 17:41	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB071621-BLANK			7/16/2021 *Building 606 Upwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341070				7/16/21 07:00			0.0	Asbestos	

GLS

800-322-5555
www.gls-us.com

Ship From
EUROFINS CALSCIENCE, INC
ALAN KEMP
5063 COMMERCIAL CIRCLE
H
CONCORD, CA 94520

Ship To
CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD: $0 00
Weight: 0 lb(s)
Reference:
APTIM
Delivery Instructions:

Signature Type: STANDARD

Tracking #: 554057019

NPS

GARDEN GROVE

S10262D

45991408

ORC CA927-CD0

Print Date 7/21/2021 3:09 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1 Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer
Step 2 Fold this page in half
Step 3 Securely attach this label to your package and do not cover the barcode

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc (GLS) service terms & conditions including, but not limited to, limits of liability, declared value conditions, and claim procedures which are available on our website at www gls-us com

570-65173 Waybill

1/1

Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-65173-1

Login Number: 65173
List Number: 1
Creator: Liao, Gineyau

List Source: Eurofins Calscience LLC

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

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-65581-1
Client Project/Site: HPNS - Parcel E / 500712

For:
Aptim Federal Services LLC
Hunters Point Shipyard
200 Fisher Blvd
San Francisco, California 94124

Attn: Rose Condit

Terri Chang

Authorized for release by:
7/29/2021 6:55:33 PM

Terri Chang, Project Manager I
(714)895-5494
Terri.Chang@eurofinset.com

LINKS

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www.eurofinsus.com/Env

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

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

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

Table of Contents

Case Narrative

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65581-1

Job ID: 570-65581-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-65581-1

Comments
No additional comments.

Receipt
The sample was received on 7/22/2021 10:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

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

Subcontract Work
Method Asbestos - Low Flow: This method was subcontracted to EMSL - LA Testing - Huntington Beach. The subcontract laboratory certification is different from that of the facility issuing the final report.

Sample Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65581-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-65581-1	PE-ASB071921-B606UPWIND	Air	07/19/21 07:35	07/22/21 10:15

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649
Tel/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332117352
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 07/23/2021 01:45 PM
Analysis Date: 07/29/2021
Collected Date: 07/19/2021

Project: HPNS - Parcel E / 500712 / 57003235

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	*Location*	*Sample Date*	*Volume (L)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/mm²*	*Fibers/cc*	*Notes*
PE-ASB071921-B606UPW IND (570-65581-1)		07/19/2021	1200	24	100	0.0022	30.6	0.0098	
332117352-0001									

This method requires the submission of field blanks with each sample set. No discernable field blanks were submitted, samples are not blank corrected.

Analyst(s):
Christopher Miranda PCM 1

Michael Chapman, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from: 07/29/2021 04:03 PM

AIR MONITORING LOG

PROJECT NAME: HPNS Parcel E **PROJ. NO.** 500712 Asbestos TSP PM-10

STATION **COC# 070A**

SAMPLE NO. **PE-ASB071921-B606UPWIND** 7/19/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341077	2.000	2.000	2.000	7/19/21 07:35	7/19/21 17:35	600	1.20	Asbestos	2.00

570-65581 Chain of Custody

APTIM

CHAIN OF CUSTODY

Ref Document # CTO 0024 - AIR 070A

Page 1 of 1

APTIM Federal Services, LLC
4005 Port Chicago Hwy
Concord, CA 94520

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1168336
Lab Destination: Eurofins-Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Tern Chang

Project Manager: Nels Johnson
Send Report To: Jose Maldonado
Phone/Fax Number: 415-340-9637
Address: 4005 Port Chicago Hwy
City: Concord CA 94520
Jose.Maldonado@aptim.com

Sampler's Name(s): JM

Sample ID Number	Filter No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J, BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B, NIOSH 7300/6010B)	Flow Rate (L/min.)	Sample Volume (m^3)			
PE-ASB071921-B606UPWIND	DA341077	07/19/21	7.35	G	A	1	PCM			X			2.00	1.20			
Temperature Blank																	x

Analyses Requested

Special Instructions: J to MDL

Turn Around Time: ☐ 24-hr ☐ 5-day ☑ 10-day

Level Of QC Required: I II III Project Specific

Relinquished By	Date	Time	Received By	Date	Time
Jose Maldonado	7/21/21	11 30		7/22/21	10:21

Method Codes: C = Composite; G = Grab

Matrix Codes: DW = Drinking Water; GW = Ground Water; WW = Waste Water; A=Air; SO = Soil; SL = Sludge; CP = Chip Samples

ABS=Asbestos, PO=Pine Operating

* Sample was received by lab on 7/22 with parcel G samples

JM 7/28

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ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-65840-1
Client Project/Site: HPNS - Parcel E / 500712

For:
Aptim Federal Services LLC
Hunters Point Shipyard
200 Fisher Blvd
San Francisco, California 94124

Attn: Rose Condit

Terri Chang

Authorized for release by:
8/18/2021 5:52:59 PM

Terri Chang, Project Manager I
(714)895-5494
Terri.Chang@eurofinset.com

LINKS

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

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

Table of Contents

Definitions/Glossary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65840-1

Qualifiers

Metals

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

Glossary

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

Job ID: 570-65840-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-65840-1

Comments
No additional comments.

Receipt
The samples were received on 7/30/2021 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

Metals
Method 6010B: The method blank for preparation batch 570-170901 and analytical batch 570-171251 contained Lead above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

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

Subcontract Work
Method Asbestos - Low Flow: This method was subcontracted to EMSL - LA Testing - Huntington Beach. The subcontract laboratory certification is different from that of the facility issuing the final report.

Method: 6010B - Metals (ICP)

Client Sample ID: PE-TSP072221-B606UPWIND
Date Collected: 07/22/21 08:04
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Lab Sample ID: 570-65840-13
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14.9**	**J**	18.0	6.22	ug/Sample		08/12/21 15:38	08/13/21 15:26	1
Lead	**11.5**	**J B**	12.0	3.16	ug/Sample		08/12/21 15:38	08/13/21 15:26	1
Manganese	**22.2**		6.00	3.34	ug/Sample		08/12/21 15:38	08/13/21 15:26	1

Client Sample ID: PE-TSP072221-12ADOWNWIND
Date Collected: 07/22/21 08:15
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Lab Sample ID: 570-65840-14
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/12/21 15:38	08/13/21 15:32	1
Lead	**5.36**	**J B**	12.0	3.16	ug/Sample		08/12/21 15:38	08/13/21 15:32	1
Manganese	**11.1**		6.00	3.34	ug/Sample		08/12/21 15:38	08/13/21 15:32	1

Client Sample ID: PE-TSP072321-B606UPWIND
Date Collected: 07/23/21 05:58
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Lab Sample ID: 570-65840-17
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/12/21 15:38	08/13/21 15:34	1
Lead	**13.0**	**B**	12.0	3.16	ug/Sample		08/12/21 15:38	08/13/21 15:34	1
Manganese	**20.1**		6.00	3.34	ug/Sample		08/12/21 15:38	08/13/21 15:34	1

Client Sample ID: PE-TSP072321-12ADOWNWIND
Date Collected: 07/23/21 06:10
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Lab Sample ID: 570-65840-18
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10.7**	**J**	18.0	6.22	ug/Sample		08/12/21 15:38	08/13/21 15:37	1
Lead	ND		12.0	3.16	ug/Sample		08/12/21 15:38	08/13/21 15:37	1
Manganese	**11.7**		6.00	3.34	ug/Sample		08/12/21 15:38	08/13/21 15:37	1

Client Sample ID: PE-TSP072421-B606UPWIND
Date Collected: 07/24/21 05:57
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Lab Sample ID: 570-65840-21
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/12/21 15:38	08/13/21 15:39	1
Lead	**14.0**	**B**	12.0	3.16	ug/Sample		08/12/21 15:38	08/13/21 15:39	1
Manganese	**3.45**	**J**	6.00	3.34	ug/Sample		08/12/21 15:38	08/13/21 15:39	1

Client Sample ID: PE-TSP072421-12ADOWNWIND
Date Collected: 07/24/21 06:08
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Lab Sample ID: 570-65840-22
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/12/21 15:38	08/13/21 15:48	1
Lead	**4.11**	**J B**	12.0	3.16	ug/Sample		08/12/21 15:38	08/13/21 15:48	1
Manganese	**3.47**	**J**	6.00	3.34	ug/Sample		08/12/21 15:38	08/13/21 15:48	1

General Chemistry

Client Sample ID: PE-TSP072221-B606UPWIND — **Lab Sample ID: 570-65840-13**
Date Collected: 07/22/21 08:04 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	97.0		6.69	6.69	ug/m3			08/10/21 18:33	1

Client Sample ID: PE-TSP072221-12ADOWNWIND — **Lab Sample ID: 570-65840-14**
Date Collected: 07/22/21 08:15 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	70.4		6.70	6.70	ug/m3			08/10/21 18:33	1

Client Sample ID: PE-PM10072221-B606UPWIND — **Lab Sample ID: 570-65840-15**
Date Collected: 07/22/21 08:04 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	43.7		6.69	6.69	ug/m3			08/10/21 19:16	1

Client Sample ID: PE-PM10072221-12ADOWNWIND — **Lab Sample ID: 570-65840-16**
Date Collected: 07/22/21 08:15 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	50.1		6.70	6.70	ug/m3			08/10/21 19:16	1

Client Sample ID: PE-TSP072321-B606UPWIND — **Lab Sample ID: 570-65840-17**
Date Collected: 07/23/21 05:58 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	67.3		5.07	5.07	ug/m3			08/10/21 18:33	1

Client Sample ID: PE-TSP072321-12ADOWNWIND — **Lab Sample ID: 570-65840-18**
Date Collected: 07/23/21 06:10 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	58.4		5.09	5.09	ug/m3			08/10/21 18:33	1

Client Sample ID: PE-PM10072321-B606UPWIND — **Lab Sample ID: 570-65840-19**
Date Collected: 07/23/21 05:58 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	47.0		5.07	5.07	ug/m3			08/10/21 19:16	1

Client Sample ID: PE-PM10072321-12ADOWNWIND — **Lab Sample ID: 570-65840-20**
Date Collected: 07/23/21 06:10 — **Matrix: Air**
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	52.6		5.09	5.09	ug/m3			08/10/21 19:16	1

General Chemistry

Client Sample ID: PE-TSP072421-B606UPWIND
Lab Sample ID: 570-65840-21
Date Collected: 07/24/21 05:57
Matrix: Air
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	41.9		13.4	13.4	ug/m3			08/10/21 18:33	1

Client Sample ID: PE-TSP072421-12ADOWNWIND
Lab Sample ID: 570-65840-22
Date Collected: 07/24/21 06:08
Matrix: Air
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	37.5		15.4	15.4	ug/m3			08/10/21 18:33	1

Client Sample ID: PE-PM10072421-B606UPWIND
Lab Sample ID: 570-65840-23
Date Collected: 07/24/21 05:57
Matrix: Air
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	47.7		13.4	13.4	ug/m3			08/10/21 19:16	1

Client Sample ID: PE-PM10072421-12ADOWNWIND
Lab Sample ID: 570-65840-24
Date Collected: 07/24/21 06:08
Matrix: Air
Date Received: 07/30/21 10:20
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	50.3		15.4	15.4	ug/m3			08/10/21 19:16	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-170901/1-A
Matrix: Air
Analysis Batch: 171251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170901

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/12/21 15:38	08/13/21 15:20	1
Lead	5.863	J	12.0	3.16	ug/Sample		08/12/21 15:38	08/13/21 15:20	1
Manganese	ND		6.00	3.34	ug/Sample		08/12/21 15:38	08/13/21 15:20	1

Lab Sample ID: LCS 570-170901/2-A
Matrix: Air
Analysis Batch: 171251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170901

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	600	531.2		ug/Sample		88	80 - 120
Lead	600	537.0		ug/Sample		89	80 - 120
Manganese	600	568.3		ug/Sample		95	80 - 120

Lab Sample ID: LCSD 570-170901/3-A
Matrix: Air
Analysis Batch: 171251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170901

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	600	543.7		ug/Sample		91	80 - 120	2	20
Lead	600	553.5		ug/Sample		92	80 - 120	3	20
Manganese	600	589.3		ug/Sample		98	80 - 120	4	20

Lab Sample ID: 570-65840-13 MS
Matrix: Air
Analysis Batch: 171251

Client Sample ID: PE-TSP072221-B606UPWIND
Prep Type: Total/NA
Prep Batch: 170901

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	14.9	J	600	516.8		ug/Sample		84	75 - 125
Lead	11.5	J B	600	503.6		ug/Sample		82	75 - 125
Manganese	22.2		600	557.1		ug/Sample		89	75 - 125

Lab Sample ID: 570-65840-13 MSD
Matrix: Air
Analysis Batch: 171251

Client Sample ID: PE-TSP072221-B606UPWIND
Prep Type: Total/NA
Prep Batch: 170901

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	14.9	J	600	564.0		ug/Sample		91	75 - 125	9	20
Lead	11.5	J B	600	542.1		ug/Sample		88	75 - 125	7	20
Manganese	22.2		600	603.5		ug/Sample		97	75 - 125	8	20

Method: 40CFR50 App B - Suspended Particulate Matter in Ambient Air

Lab Sample ID: MB 570-170300/1-A
Matrix: Air
Analysis Batch: 170302

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	ND		1.23	1.23	ug/m3			08/10/21 18:33	1

Method: 40CFR50 App B - Suspended Particulate Matter in Ambient Air (Continued)

Lab Sample ID: 570-65840-13 DU
Matrix: Air
Analysis Batch: 170302

Client Sample ID: PE-TSP072221-B606UPWIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Particulates	97.0			96.97		ug/m3				0	25

Method: PM10 - Particulate Matter

Lab Sample ID: MB 570-170311/1
Matrix: Air
Analysis Batch: 170311

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		1.23	1.23	ug/m3			08/10/21 19:16	1

Lab Sample ID: 570-65840-15 DU
Matrix: Air
Analysis Batch: 170311

Client Sample ID: PE-PM10072221-B606UPWIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Particulate Matter	43.7			43.69		ug/m3				0	25

QC Association Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65840-1

Metals

Prep Batch: 170901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-65840-13	PE-TSP072221-B606UPWIND	Total/NA	Air	3050B	
570-65840-14	PE-TSP072221-12ADOWNWIND	Total/NA	Air	3050B	
570-65840-17	PE-TSP072321-B606UPWIND	Total/NA	Air	3050B	
570-65840-18	PE-TSP072321-12ADOWNWIND	Total/NA	Air	3050B	
570-65840-21	PE-TSP072421-B606UPWIND	Total/NA	Air	3050B	
570-65840-22	PE-TSP072421-12ADOWNWIND	Total/NA	Air	3050B	
MB 570-170901/1-A	Method Blank	Total/NA	Air	3050B	
LCS 570-170901/2-A	Lab Control Sample	Total/NA	Air	3050B	
LCSD 570-170901/3-A	Lab Control Sample Dup	Total/NA	Air	3050B	
570-65840-13 MS	PE-TSP072221-B606UPWIND	Total/NA	Air	3050B	
570-65840-13 MSD	PE-TSP072221-B606UPWIND	Total/NA	Air	3050B	

Analysis Batch: 171251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-65840-13	PE-TSP072221-B606UPWIND	Total/NA	Air	6010B	170901
570-65840-14	PE-TSP072221-12ADOWNWIND	Total/NA	Air	6010B	170901
570-65840-17	PE-TSP072321-B606UPWIND	Total/NA	Air	6010B	170901
570-65840-18	PE-TSP072321-12ADOWNWIND	Total/NA	Air	6010B	170901
570-65840-21	PE-TSP072421-B606UPWIND	Total/NA	Air	6010B	170901
570-65840-22	PE-TSP072421-12ADOWNWIND	Total/NA	Air	6010B	170901
MB 570-170901/1-A	Method Blank	Total/NA	Air	6010B	170901
LCS 570-170901/2-A	Lab Control Sample	Total/NA	Air	6010B	170901
LCSD 570-170901/3-A	Lab Control Sample Dup	Total/NA	Air	6010B	170901
570-65840-13 MS	PE-TSP072221-B606UPWIND	Total/NA	Air	6010B	170901
570-65840-13 MSD	PE-TSP072221-B606UPWIND	Total/NA	Air	6010B	170901

General Chemistry

Pre Prep Batch: 170300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-65840-13	PE-TSP072221-B606UPWIND	Total/NA	Air	Filter to Air	
570-65840-14	PE-TSP072221-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-65840-17	PE-TSP072321-B606UPWIND	Total/NA	Air	Filter to Air	
570-65840-18	PE-TSP072321-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-65840-21	PE-TSP072421-B606UPWIND	Total/NA	Air	Filter to Air	
570-65840-22	PE-TSP072421-12ADOWNWIND	Total/NA	Air	Filter to Air	
MB 570-170300/1-A	Method Blank	Total/NA	Air	Filter to Air	
570-65840-13 DU	PE-TSP072221-B606UPWIND	Total/NA	Air	Filter to Air	

Analysis Batch: 170302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-65840-13	PE-TSP072221-B606UPWIND	Total/NA	Air	40CFR50 App B	170300
570-65840-14	PE-TSP072221-12ADOWNWIND	Total/NA	Air	40CFR50 App B	170300
570-65840-17	PE-TSP072321-B606UPWIND	Total/NA	Air	40CFR50 App B	170300
570-65840-18	PE-TSP072321-12ADOWNWIND	Total/NA	Air	40CFR50 App B	170300
570-65840-21	PE-TSP072421-B606UPWIND	Total/NA	Air	40CFR50 App B	170300
570-65840-22	PE-TSP072421-12ADOWNWIND	Total/NA	Air	40CFR50 App B	170300
MB 570-170300/1-A	Method Blank	Total/NA	Air	40CFR50 App B	170300
570-65840-13 DU	PE-TSP072221-B606UPWIND	Total/NA	Air	40CFR50 App B	170300

General Chemistry

Analysis Batch: 170311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-65840-15	PE-PM10072221-B606UPWIND	Total/NA	Air	PM10	
570-65840-16	PE-PM10072221-12ADOWNWIND	Total/NA	Air	PM10	
570-65840-19	PE-PM10072321-B606UPWIND	Total/NA	Air	PM10	
570-65840-20	PE-PM10072321-12ADOWNWIND	Total/NA	Air	PM10	
570-65840-23	PE-PM10072421-B606UPWIND	Total/NA	Air	PM10	
570-65840-24	PE-PM10072421-12ADOWNWIND	Total/NA	Air	PM10	
MB 570-170311/1	Method Blank	Total/NA	Air	PM10	
570-65840-15 DU	PE-PM10072221-B606UPWIND	Total/NA	Air	PM10	

BALANCE CALIBRATION CHECK LOG

Eurofins Calscience

Date performed: 8/10/21 Initials: LARD

ID	Class 2 Weight (g)	Reading (g)	Acceptance Range	Pass? (circle one)	Comment (If not passed, note removal or corrective action)
83	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	99.99	98.00 - 102.00	(Y) N	
62	0.002	0.0020	0.0015 - 0.0025	(Y) N	IO Lab
	1	0.9997	0.9990 - 1.0010	(Y) N	
	100	100.0001	99.9000 - 100.1000	(Y) N	
11	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	100.00	98.00 - 102.00	(Y) N	
55	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	99.98	98.00 - 102.00	(Y) N	
	500	499.99	490.00 - 510.00	(Y) N	
86	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	100.00	98.00 - 102.00	(Y) N	
	500	500.00	490.00 - 510.00	(Y) N	
71	0.002	0.0019	0.0015 - 0.0025	(Y) N	BOD Room
	1	1.0000	0.9990 - 1.0010	(Y) N	
	100	99.9997	99.9000 - 100.1000	(Y) N	
63	0.1	NOT IN USE	0.08 - 0.12	Y N	BOD Room
	100		98.00 - 102.00	Y N	
73	0.1	0.10	0.08 - 0.12	(Y) N	Oil & Grease Room
	1	1.00	0.98 - 1.02	(Y) N	
	100	100.00	98.00 - 102.00	(Y) N	
87	0.002	0.0019	0.0015 - 0.0025	(Y) N	Solids Room
	1	0.9997	0.9990 - 1.0010	(Y) N	
	100	99.9999	99.9000 - 100.1000	(Y) N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

Comments:

WT SET ID USED: 2 mg 75055	**COMMENT:**
WT SET ID USED: 10 mg - 100 g 69068	
WT SET ID USED: 500 g 64886	

Lab Chronicle

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65840-1

Client Sample ID: PE-TSP072221-B606UPWIND
Lab Sample ID: 570-65840-13
Date Collected: 07/22/21 08:04
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	170901	08/12/21 15:38	WL8G	ECL 1
Total/NA	Analysis	6010B		1			171251	08/13/21 15:26	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					170300	08/10/21 18:29	UWCT	ECL 1
Total/NA	Analysis	40CFR50 App B		1			170302	08/10/21 18:33	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072221-12ADOWNWIND
Lab Sample ID: 570-65840-14
Date Collected: 07/22/21 08:15
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	170901	08/12/21 15:38	WL8G	ECL 1
Total/NA	Analysis	6010B		1			171251	08/13/21 15:32	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					170300	08/10/21 18:29	UWCT	ECL 1
Total/NA	Analysis	40CFR50 App B		1			170302	08/10/21 18:33	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072221-B606UPWIND
Lab Sample ID: 570-65840-15
Date Collected: 07/22/21 08:04
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4555 g	4.4751 g	170311	08/10/21 19:16	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072221-12ADOWNWIND
Lab Sample ID: 570-65840-16
Date Collected: 07/22/21 08:15
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4416 g	4.4640 g	170311	08/10/21 19:16	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072321-B606UPWIND
Lab Sample ID: 570-65840-17
Date Collected: 07/23/21 05:58
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	170901	08/12/21 15:38	WL8G	ECL 1
Total/NA	Analysis	6010B		1			171251	08/13/21 15:34	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					170300	08/10/21 18:29	UWCT	ECL 1
Total/NA	Analysis	40CFR50 App B		1			170302	08/10/21 18:33	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072321-12ADOWNWIND
Lab Sample ID: 570-65840-18
Date Collected: 07/23/21 06:10
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	170901	08/12/21 15:38	WL8G	ECL 1
Total/NA	Analysis	6010B		1			171251	08/13/21 15:37	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					170300	08/10/21 18:29	UWCT	ECL 1
Total/NA	Analysis	40CFR50 App B		1			170302	08/10/21 18:33	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072321-B606UPWIND
Lab Sample ID: 570-65840-19
Date Collected: 07/23/21 05:58
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4469 g	4.4747 g	170311	08/10/21 19:16	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072321-12ADOWNWIND
Lab Sample ID: 570-65840-20
Date Collected: 07/23/21 06:10
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4565 g	4.4875 g	170311	08/10/21 19:16	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072421-B606UPWIND
Lab Sample ID: 570-65840-21
Date Collected: 07/24/21 05:57
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	170901	08/12/21 15:38	WL8G	ECL 1
Total/NA	Analysis	6010B		1			171251	08/13/21 15:39	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					170300	08/10/21 18:29	UWCT	ECL 1
Total/NA	Analysis	40CFR50 App B		1			170302	08/10/21 18:33	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072421-12ADOWNWIND
Lab Sample ID: 570-65840-22
Date Collected: 07/24/21 06:08
Matrix: Air
Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	170901	08/12/21 15:38	WL8G	ECL 1
Total/NA	Analysis	6010B		1			171251	08/13/21 15:48	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					170300	08/10/21 18:29	UWCT	ECL 1
Total/NA	Analysis	40CFR50 App B		1			170302	08/10/21 18:33	UWCT	ECL 1
	Instrument ID: BAL62									

Lab Chronicle

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65840-1

Client Sample ID: PE-PM10072421-B606UPWIND

Lab Sample ID: 570-65840-23

Date Collected: 07/24/21 05:57

Matrix: Air

Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4587 g	4.4694 g	170311	08/10/21 19:16	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072421-12ADOWNWIND

Lab Sample ID: 570-65840-24

Date Collected: 07/24/21 06:08

Matrix: Air

Date Received: 07/30/21 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4484 g	4.4582 g	170311	08/10/21 19:16	UWCT	ECL 1
	Instrument ID: BAL62									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

EMSL = EMSL - LA Testing - Huntington Beach, 5431 Industrial Drive, Huntington Beach, CA 92649

Accreditation/Certification Summary

Client: Aptim Federal Services LLC
Job ID: 570-65840-1
Project/Site: HPNS - Parcel E / 500712

Laboratory: Eurofins Calscience LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
40CFR50 App B		Air	Total Suspended Particulates
6010B	3050B	Air	Arsenic
6010B	3050B	Air	Lead
6010B	3050B	Air	Manganese

Method Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65840-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	ECL 1
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	ECL 1
PM10	Particulate Matter	40CFR50J	ECL 1
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL
3050B	Preparation, Metals	SW846	ECL 1
Filter to Air	Filter to Air volume ratio	None	ECL 1

Protocol References:

40CFR50J = 40 CFR Part 50 Appendix J

EPA = US Environmental Protection Agency

NIOSH = NIOSH Manual Of Analytical Methods, National Institute For Occupational Safety And Health, 4th Edition, August 1994 and it's Supplements

None = None

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

EMSL = EMSL - LA Testing - Huntington Beach, 5431 Industrial Drive, Huntington Beach, CA 92649

Sample Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-65840-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-65840-1	PE-ASB071921-12ADOWNWIND	Air	07/19/21 07:41	07/30/21 10:20
570-65840-2	PE-ASB072021-B606UPWIND	Air	07/20/21 07:30	07/30/21 10:20
570-65840-3	PE-ASB072021-12ADOWNWIND	Air	07/20/21 07:39	07/30/21 10:20
570-65840-4	PE-ASB072121-B606UPWIND	Air	07/21/21 07:35	07/30/21 10:20
570-65840-5	PE-ASB072121-12ADOWNWIND	Air	07/21/21 07:27	07/30/21 10:20
570-65840-6	PE-ASB072221-B606UPWIND	Air	07/22/21 07:46	07/30/21 10:20
570-65840-7	PE-ASB072221-12ADOWNWIND	Air	07/22/21 07:50	07/30/21 10:20
570-65840-8	PE-ASB072321-B606UPWIND	Air	07/23/21 05:58	07/30/21 10:20
570-65840-9	PE-ASB072321-12ADOWNWIND	Air	07/23/21 06:10	07/30/21 10:20
570-65840-10	PE-ASB072421-B606UPWIND	Air	07/24/21 05:57	07/30/21 10:20
570-65840-11	PE-ASB072421-12ADOWNWIND	Air	07/24/21 06:08	07/30/21 10:20
570-65840-12	PE-ASB072421-BLANK	Air	07/24/21 07:00	07/30/21 10:20
570-65840-13	PE-TSP072221-B606UPWIND	Air	07/22/21 08:04	07/30/21 10:20
570-65840-14	PE-TSP072221-12ADOWNWIND	Air	07/22/21 08:15	07/30/21 10:20
570-65840-15	PE-PM10072221-B606UPWIND	Air	07/22/21 08:04	07/30/21 10:20
570-65840-16	PE-PM10072221-12ADOWNWIND	Air	07/22/21 08:15	07/30/21 10:20
570-65840-17	PE-TSP072321-B606UPWIND	Air	07/23/21 05:58	07/30/21 10:20
570-65840-18	PE-TSP072321-12ADOWNWIND	Air	07/23/21 06:10	07/30/21 10:20
570-65840-19	PE-PM10072321-B606UPWIND	Air	07/23/21 05:58	07/30/21 10:20
570-65840-20	PE-PM10072321-12ADOWNWIND	Air	07/23/21 06:10	07/30/21 10:20
570-65840-21	PE-TSP072421-B606UPWIND	Air	07/24/21 05:57	07/30/21 10:20
570-65840-22	PE-TSP072421-12ADOWNWIND	Air	07/24/21 06:08	07/30/21 10:20
570-65840-23	PE-PM10072421-B606UPWIND	Air	07/24/21 05:57	07/30/21 10:20
570-65840-24	PE-PM10072421-12ADOWNWIND	Air	07/24/21 06:08	07/30/21 10:20

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332117914
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 08/02/2021 04:20 PM
Analysis Date: 08/09/2021
Collected Date: 07/19/2021 - 07/24/2021

Project: HPNS - Parcel E / 500712 / 57003235

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
PE-ASB071921-12ADOW NWIND (570-65840-1) *332117914-0001*		07/19/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072021-B606UPW IND (570-65840-2) *332117914-0002*		07/20/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072021-12ADOW NWIND (570-65840-3) *332117914-0003*		07/20/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072121-B606UPW IND (570-65840-4) *332117914-0004*		07/21/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072121-12ADOW NWIND (570-65840-5) *332117914-0005*		07/21/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072221-B606UPW IND (570-65840-6) *332117914-0006*		07/22/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072221-12ADOW NWIND (570-65840-7) *332117914-0007*		07/22/2021	1200	5.5	100	0.0022	7.01	0.0023	
PE-ASB072321-B606UPW IND (570-65840-8) *332117914-0008*		07/23/2021	1200	9	100	0.0022	11.5	0.0037	sample pulled for 10% recount
PE-ASB072321-12ADOW NWIND (570-65840-9) *332117914-0009*		07/23/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072421-B606UPW IND (570-65840-10) *332117914-0010*		07/24/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072421-12ADOW NWIND (570-65840-11) *332117914-0011*		07/24/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072421-BLANK (570-65840-12) *332117914-0012*		07/24/2021		<5.5	100		<7.01		Field Blank
PE-ASB072321-B606UPW IND (570-65840-8)		07/23/2021	1200	7.5	100	0.0022	9.55	0.0031	10% Recount; Individual-CV=0.23

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from: 08/09/2021 04:15 PM

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332117914
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 08/02/2021 04:20 PM
Analysis Date: 08/09/2021
Collected Date: 07/19/2021 - 07/24/2021

Project: HPNS - Parcel E / 500712 / 57003235

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
332117914-0013									

The results reported have been blank corrected as applicable.

Analyst(s):
Brian Magumcia PCM 13

Michael Chapman, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from: 08/09/2021 04:15 PM

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494 Fax: 714-894-7501

#332117914

Chain of Custody Record

eurofins | Environment Testing America

8/18/2021

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Chang, Terri	Carrier Tracking No(s):	COC No: 570-116445.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Terri.Chang@eurofinset.com	State of Origin: California	Page: Page 1 of 2
Company: EMSL Analytical, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 570-65840-1
Address: 5431 Industrial Drive, ,	Due Date Requested: 8/13/2021			
City: Huntington Beach	TAT Requested (days):			
State, Zip: CA, 92649				
Phone:	PO #:			
Email:	WO #:			
Project Name: HPNS - Parcel E / 500712	Project #: 57003235			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Asbestos - Low Flow)/ NIOSH 7400	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PE-ASB071921-12ADOWNWIND (570-65840-1)	7/19/21	07:41 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072021-B606UPWIND (570-65840-2)	7/20/21	07:30 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072021-12ADOWNWIND (570-65840-3)	7/20/21	07:39 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072121-B606UPWIND (570-65840-4)	7/21/21	07:35 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072121-12ADOWNWIND (570-65840-5)	7/21/21	07:27 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072221-B606UPWIND (570-65840-6)	7/22/21	07:46 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072221-12ADOWNWIND (570-65840-7)	7/22/21	07:50 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072321-B606UPWIND (570-65840-8)	7/23/21	05:58 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072321-12ADOWNWIND (570-65840-9)	7/23/21	06:10 Pacific		Air			X	1	please provide standard excel EDD.

Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Calscience.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 08/02/21 1620	Company: EC	Received by: EM(WI)	Date/Time: 8/2/21 4:20PM	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Ver: 06/08/2021

OrderID: 332117914

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494 Fax: 714-894-7501

Chain of Custody Record

#332117914

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Chang, Terri	Carrier Tracking No(s):	COC No: 570-116445.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Terri.Chang@eurofinset.com	State of Origin: California	Page: Page 2 of 2
Company: EMSL Analytical, Inc.		Accreditations Required (See note): NELAP - Oregon		Job #: 570-65840-1
Address: 5431 Industrial Drive, ,	Due Date Requested: 8/13/2021			
City: Huntington Beach	TAT Requested (days):			
State, Zip: CA, 92649				
Phone:	PO #:			
Email:	WO #:			
Project Name: HPNS - Parcel E / 500712	Project #: 57003235			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Asbestos - Low Flow)/ NIOSH 7400	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PE-ASB072421-B606UPWIND (570-65840-10)	7/24/21	05:57 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072421-12ADOWNWIND (570-65840-11)	7/24/21	06:08 Pacific		Air			X	1	please provide standard excel EDD.
PE-ASB072421-BLANK (570-65840-12)	7/24/21	07:00 Pacific		Air			X	1	please provide standard excel EDD.

Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Calscience.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 08/02/21 1600	Company EEL	Received by: EM(wi)	Date/Time: 8/2/21 4:20PM	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

#332117914

AIR MONITORING LOG

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 070

SAMPLE NO. PE-ASB071921-B606UPWIND 7/19/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341077	2.000	2.000	2.000	7/19/21 07:35	7/19/21 17.35	600	1.20	Asbestos	2.00

sample shiped on 7/21/21 with parcel 4 COC. JM 7/26/21

SAMPLE NO. PE-ASB071921-12ADOWNWIND 7/19/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341082	2.000	2.000	2.000	7/19/21 07:41	7/19/21 17:41	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072021-B606UPWIND 7/20/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341073	2 000	2.000	2.000	7/20/21 07:30	7/20/21 17:30	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072021-12ADOWNWIND 7/20/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341078	2 000	2 000	2.000	7/20/21 07:39	7/20/21 17:39	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072121-B606UPWIND 7/21/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341060	2.000	2.000	2.000	7/21/21 07:35	7/21/21 17:35	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072121-12ADOWNWIND 7/21/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341061	2.000	2.000	2.000	7/21/21 07:27	7/21/21 17:27	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072221-B606UPWIND 7/22/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341066	2.000	2.000	2.000	7/22/21 07:46	7/22/21 17:46	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072221-12ADOWNWIND 7/22/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341101	2.000	2.000	2.0	7/22/21 07:50	7/22/21 17:50	600	1.20	Asbestos	2.00

#332117914

SAMPLE NO.	PE-ASB072321-B606UPWIND			7/23/2021 *Building 606 Upwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341085	2.000	2.000	2.0	7/23/21 05:58	7/23/21 15:58	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072321-12ADOWNWIND			7/23/2021 *12A Downwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341088	2.000	2.000	2.0	7/23/21 06:10	7/23/21 16:10	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072421-B606UPWIND			7/24/2021 *Building 606 Upwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341057	2.000	2.000	2.0	7/24/21 05:57	7/24/21 15:57	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072421-12ADOWNWIND			7/24/2021 *12A Downwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341068	2.000	2 000	2.0	7/24/21 06:08	7/24/21 16:08	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072421-BLANK				7/24/2021 *Building 606 Upwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341092				7/24/21 07:00			0.0	Asbestos	

APTIM

APTIM Federal Services, LLC
4005 Port Chicago Hwy
Concord, CA 94520

570-65840 Chain of Custody

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 070

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1168336
Lab Destination: Eurofins-Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Project Manager: *Nels Johnson*
Send Report To: *Jose Maldonado*
Phone/Fax Number: *415-340-9637*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
Jose.Maldonado@aptim.com

Sampler's Name(s): JM

	Sample ID Number	Filter No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010B)	Flow Rate (L/min.)	Sample Volume (m^3)			
1	PE-ASB071921-12ADOWNWIND	DA341082	07/19/21	7 41	G	A	1	PCM			X			2.00	1.20			
2	PE-ASB072021-B606UPWIND	DA341073	07/20/21	7 30	G	A	1	PCM			X			2.00	1.20			
3	PE-ASB072021-12ADOWNWIND	DA341078	07/20/21	7.39	G	A	1	PCM			X			2.00	1.20			
4	PE-ASB072121-B606UPWIND	DA341060	07/21/21	7.35	G	A	1	PCM			X			2.00	1.20			
5	PE-ASB072121-12ADOWNWIND	DA341061	07/21/21	7:27	G	A	1	PCM			X			2.00	1.20			
6	PE-ASB072221-B606UPWIND	DA341066	07/22/21	7 46	G	A	1	PCM			X			2.00	1.20			
7	PE-ASB072221-12ADOWNWIND	DA341101	07/22/21	7:50	G	A	1	PCM			X			2.00	1.20			
8	PE-ASB072321-B606UPWIND	DA341085	07/23/21	5.58	G	A	1	PCM			X			2.00	1.20			
9	PE-ASB072321-12ADOWNWIND	DA341088	07/23/21	6 10	G	A	1	PCM			X			2.00	1.20			
10	PE-ASB072421-B606UPWIND	DA341057	07/24/21	5.57	G	A	1	PCM			X			2.00	1.20			
11	PE-ASB072421-12ADOWNWIND	DA341068	07/24/21	6:08	G	A	1	PCM			X			2.00	1.20			
12	PE-ASB072421-BLANK	DA341092	07/24/21	7:00	G	A	1	PCM			X			NA				
	Temperature Blank																	X

Special Instructions: J to MDL

Turn Around Time: ☐ 24-hr ☐ 5-day ☑ 10-day

Level Of QC Required: I ☐ II ☑ III ☐ Project Specific.

Relinquished By: Jose Maldonado	Date: 7/29/21	Received By:	Date: 7/29/21
	Time: 1320		Time: 1320
Relinquished By: to GLS	Date: 7/29/21	Received By:	Date: 7/30/21
	Time: 1630		Time: 10:30
Relinquished By	Date:	Received By:	Date:
	Time:		Time:
Relinquished By	Date:	Received By	Date:
	Time:		Time:

Method Codes
C = Composite
G = Grab

Matrix Codes
DW = Drinking Water
GW = Ground Water
WW = Waste Water
SO = Soil
SL = Sludge
CP = Chip Samples
A=Air

ABS=Asbestos, PO=Pipe Openning

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 070

Page 2 of 2

APTIM Federal Services, LLC
4005 Port Chicago Hwy
Concord, CA 94520

Send Report To: *Jose Maldonado*
Phone/Fax Number: *415-340-9637*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
Jose.Maldonado@aptim.com

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Tern Chang

Sampler's Name(s): *JM*

	Sample ID Number	Lot No.	Collection Information			Matrix	# of containers	Container Type	Analyses Requested									
			Date	Time	Method				PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH	Flow Rate (L/min.)	Sample Volume (m^3)			
13	PE-TSP072221-B606UPWIND	Q0410292	07/22/21	8:04	G	A	1	8X10 EPM Whatman					X	1132.8	448.6			
14	PE-TSP072221-12ADOWNWIND	Q0410293	07/22/21	8 15	G	A	1	8X10 EPM Whatman					X	1132.8	447.5			
15	PE-PM10072221-B606UPWIND	Q0410294	07/22/21	8·04	G	A	1	8X10 EPM Whatman				X		1132.8	448.6			
16	PE-PM10072221-12ADOWNWIND	Q0410295	07/22/21	8 15	G	A	1	8X10 EPM Whatman				X		1132.8	447.5			
17	PE-TSP072321-B606UPWIND	Q0410288	07/23/21	5 58	G	A	1	8X10 EPM Whatman					X	1132.8	591.3			
18	PE-TSP072321-12ADOWNWIND	Q0410289	07/23/21	6 10	G	A	1	8X10 EPM Whatman					X	1132.8	589.1			
19	PE-PM10072321-B606UPWIND	Q0410290	07/23/21	5.58	G	A	1	8X10 EPM Whatman				X		1132.8	591.3			
20	PE-PM10072321-12ADOWNWIND	Q0410291	07/23/21	6 10	G	A	1	8X10 EPM Whatman				X		1132.8	589.1			
21	PE-TSP072421-B606UPWIND	Q0410279	07/24/21	5.57	G	A	1	8X10 EPM Whatman					X	1132.8	224.3			
22	PE-TSP072421-12ADOWNWIND	Q0410280	07/24/21	6·08	G	A	1	8X10 EPM Whatman					X	1132.8	194.8			
23	PE-PM10072421-B606UPWIND	Q0410281	07/24/21	5 57	G	A	1	8X10 EPM Whatman				X		1132.8	224.3			
24	PE-PM10072421-12ADOWNWIND	Q0410282	07/24/21	6·08	G	A	1	8X10 EPM Whatman				X		1132.8	194.8			

8/18/2021

AIR MONITORING LOG

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 070

SAMPLE NO. PE-ASB071921-B606UPWIND 7/19/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341077	2.000	2.000	2.000	7/19/21 07:35	7/19/21 17.35	600	1.20	Asbestos	2.00

Sample shiped on 7/21/21 with Parcel G COC.

SAMPLE NO. PE-ASB071921-12ADOWNWIND 7/19/2021 *12A Downwind* JM 7/26/21

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341082	2.000	2.000	2.000	7/19/21 07:41	7/19/21 17:41	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072021-B606UPWIND 7/20/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341073	2 000	2.000	2.000	7/20/21 07:30	7/20/21 17:30	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072021-12ADOWNWIND 7/20/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341078	2 000	2 000	2.000	7/20/21 07:39	7/20/21 17:39	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072121-B606UPWIND 7/21/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341060	2.000	2.000	2.000	7/21/21 07:35	7/21/21 17:35	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072121-12ADOWNWIND 7/21/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341061	2.000	2.000	2.000	7/21/21 07:27	7/21/21 17:27	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072221-B606UPWIND 7/22/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341066	2.000	2.000	2.000	7/22/21 07:46	7/22/21 17:46	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072221-12ADOWNWIND 7/22/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341101	2.000	2.000	2.0	7/22/21 07:50	7/22/21 17:50	600	1.20	Asbestos	2.00

SAMPLE NO.	PE-ASB072321-B606UPWIND			7/23/2021 *Building 606 Upwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341085	2.000	2.000	2.0	7/23/21 05.58	7/23/21 15:58	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072321-12ADOWNWIND			7/23/2021 *12A Downwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341088	2.000	2.000	2.0	7/23/21 06:10	7/23/21 16:10	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072421-B606UPWIND			7/24/2021 *Building 606 Upwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341057	2.000	2.000	2.0	7/24/21 05:57	7/24/21 15:57	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072421-12ADOWNWIND			7/24/2021 *12A Downwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341068	2.000	2 000	2.0	7/24/21 06:08	7/24/21 16:08	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB072421-BLANK				7/24/2021 *Building 606 Upwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341092				7/24/21 07:00			0.0	Asbestos	

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 070

SAMPLE NO. PE-TSP072221-B606UPWIND 7/22/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410292	40.0	40.0	40.0	7/22/21 08:04	7/22/21 14:40	396	448.6	TSP	1132.80

SAMPLE NO. PE-TSP072221-12ADOWNWIND 7/22/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410293	40.0	40.0	40.0	7/22/21 08:15	7/22/21 14:50	395	447.5	TSP	1132.80

SAMPLE NO. PE-PM10072221-B606UPWIND 7/22/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410294	40.0	40.0	40.0	7/22/21 08:04	7/22/21 14:40	396	448.6	PM-10	1132.80

SAMPLE NO. PE-PM10072221-12ADOWNWIND 7/22/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410295	40.0	40.0	40.0	7/22/21 08:15	7/22/21 14:50	395	447.5	PM-10	1132.80

SAMPLE NO. PE-TSP072321-B606UPWIND 7/23/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410288	40.0	40.0	40.0	7/23/21 05:58	7/23/21 14:40	522	591.3	TSP	1132.80

SAMPLE NO. PE-TSP072321-12ADOWNWIND 7/23/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410289	40.0	40.0	40.0	7/23/21 06:10	7/23/21 14:50	520	589.1	TSP	1132.80

SAMPLE NO. PE-PM10072321-B606UPWIND 7/23/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410290	40.0	40.0	40.0	7/23/21 05:58	7/23/21 14:40	522	591.3	PM-10	1132.80

SAMPLE NO. PE-PM10072321-12ADOWNWIND 7/23/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				

Q0410291	40.0	40.0	40.0	7/23/21 06:10	7/23/21 14:50	520	589.1	PM-10	1132.80

SAMPLE NO. **PE-TSP072421-B606UPWIND** 7/24/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410279	40 0	40 0	40.0	7/24/21 05:57	7/24/21 09:15	198	224.3	TSP	1132.80

SAMPLE NO. **PE-TSP072421-12ADOWNWIND** 7/24/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410280	40 0	40.0	40.0	7/24/21 06:08	7/24/21 09:00	172	194.8	TSP	1132.80

SAMPLE NO. **PE-PM10072421-B606UPWIND** 7/24/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410281	40 0	40.0	40.0	7/24/21 05:57	7/24/21 09:15	198	224.3	PM-10	1132.80

SAMPLE NO. **PE-PM10072421-12ADOWNWIND** 7/24/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410282	38 0	38.0	38.0	7/24/21 06:08	7/24/21 09:00	172	194.8	PM-10	1132.80

GLS

800-322-5555
www.gls-us.com

Ship From
EUROFINS CALSCIENCE, INC
ALAN KEMP
5063 COMMERCIAL CIRCLE
H
CONCORD, CA 94520

Tracking #: 554147862

NPS

570-65840 Waybill

GARDEN GROVE

Ship To
CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

S10262D

46481887

COD: $0.00
Weight: 0 lb(s)
Reference:
APTIM
Delivery Instructions:

Signature Type: STANDARD

ORC CA927-CD0

Print Date 7/29/2021 3 11 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2 Fold this page in half.
Step 3 Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to, limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com

CUSTODY SEAL

ENVIRONMENTAL SAMPLING SUPPLY
9601 San Leandro St, Oakland, CA 800-233-8/25

Date: 7/29/21

Signature:

Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-65840-1

Login Number: 65840
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience LLC

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

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-66337-1
Client Project/Site: HPNS - Parcel E / 500712

For:
Aptim Federal Services LLC
Hunters Point Shipyard
200 Fisher Blvd
San Francisco, California 94124

Attn: Rose Condit

Terri Chang

Authorized for release by:
8/24/2021 9:56:02 AM

Terri Chang, Project Manager I
(714)895-5494
Terri.Chang@eurofinset.com

LINKS

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

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

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

Table of Contents

Definitions/Glossary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-66337-1

Qualifiers

Metals

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

Glossary

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

Case Narrative

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-66337-1

Job ID: 570-66337-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-66337-1

Comments
No additional comments.

Receipt
The samples were received on 8/5/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

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

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

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

Subcontract Work
Method Asbestos - Low Flow: This method was subcontracted to EMSL - LA Testing - Huntington Beach. The subcontract laboratory certification is different from that of the facility issuing the final report.

Method: 6010B - Metals (ICP)

Client Sample ID: PE-TSP072621-B606UPWIND
Date Collected: 07/26/21 07:45
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-12
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:14	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:14	1
Manganese	**6.11**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:14	1

Client Sample ID: PE-TSP072621-12ADOWNWIND
Date Collected: 07/26/21 07:50
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-13
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:21	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:21	1
Manganese	**8.60**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:21	1

Client Sample ID: PE-TSP072721-B606UPWIND
Date Collected: 07/27/21 07:14
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-16
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:23	1
Lead	**4.69**	**J**	12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:23	1
Manganese	**8.26**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:23	1

Client Sample ID: PE-TSP072721-12ADOWNWIND
Date Collected: 07/27/21 07:30
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-17
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:25	1
Lead	**16.5**		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:25	1
Manganese	**15.1**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:25	1

Client Sample ID: PE-TSP072821-B606UPWIND
Date Collected: 07/28/21 07:15
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-20
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:27	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:27	1
Manganese	**13.3**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:27	1

Client Sample ID: PE-TSP072821-12ADOWNWIND
Date Collected: 07/28/21 07:25
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-21
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:39	1
Lead	**3.76**	**J**	12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:39	1
Manganese	**18.1**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:39	1

Method: 6010B - Metals (ICP)

Client Sample ID: PE-TSP072921-B606UPWIND
Date Collected: 07/29/21 07:26
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-24
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:41	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:41	1
Manganese	**5.28**	**J**	6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:41	1

Client Sample ID: PE-TSP072921-12ADOWNWIND
Date Collected: 07/29/21 07:40
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-25
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:43	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:43	1
Manganese	**9.01**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:43	1

Client Sample ID: PE-TSP073021-B606UPWIND
Date Collected: 07/30/21 07:22
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-28
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:45	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:45	1
Manganese	**4.50**	**J**	6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:45	1

Client Sample ID: PE-TSP073021-12ADOWNWIND
Date Collected: 07/30/21 07:40
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Lab Sample ID: 570-66337-29
Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 14:47	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 14:47	1
Manganese	**11.3**		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 14:47	1

General Chemistry

Client Sample ID: PE-TSP072621-B606UPWIND
Lab Sample ID: 570-66337-12
Date Collected: 07/26/21 07:45
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	58.0		6.54	6.54	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-TSP072621-12ADOWNWIND
Lab Sample ID: 570-66337-13
Date Collected: 07/26/21 07:50
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	58.1		6.46	6.46	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-PM10072621-B606UPWIND
Lab Sample ID: 570-66337-14
Date Collected: 07/26/21 07:45
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	29.0		6.54	6.54	ug/m3			08/20/21 10:12	1

Client Sample ID: PE-PM10072621-12ADOWNWIND
Lab Sample ID: 570-66337-15
Date Collected: 07/26/21 07:50
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	32.9		6.46	6.46	ug/m3			08/20/21 10:12	1

Client Sample ID: PE-TSP072721-B606UPWIND
Lab Sample ID: 570-66337-16
Date Collected: 07/27/21 07:14
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	40.2		5.94	5.94	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-TSP072721-12ADOWNWIND
Lab Sample ID: 570-66337-17
Date Collected: 07/27/21 07:30
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	48.9		5.94	5.94	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-PM10072721-B606UPWIND
Lab Sample ID: 570-66337-18
Date Collected: 07/27/21 07:14
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	35.2		5.94	5.94	ug/m3			08/20/21 10:12	1

Client Sample ID: PE-PM10072721-12ADOWNWIND
Lab Sample ID: 570-66337-19
Date Collected: 07/27/21 07:30
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	47.0		6.02	6.02	ug/m3			08/20/21 10:12	1

General Chemistry

Client Sample ID: PE-TSP072821-B606UPWIND — **Lab Sample ID: 570-66337-20**
Date Collected: 07/28/21 07:15 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	46.8		5.95	5.95	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-TSP072821-12ADOWNWIND — **Lab Sample ID: 570-66337-21**
Date Collected: 07/28/21 07:25 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	68.6		5.95	5.95	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-PM10072821-B606UPWIND — **Lab Sample ID: 570-66337-22**
Date Collected: 07/28/21 07:15 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	19.0		5.95	5.95	ug/m3			08/20/21 10:12	1

Client Sample ID: PE-PM10072821-12ADOWNWIND — **Lab Sample ID: 570-66337-23**
Date Collected: 07/28/21 07:25 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	32.1		5.95	5.95	ug/m3			08/20/21 10:12	1

Client Sample ID: PE-TSP072921-B606UPWIND — **Lab Sample ID: 570-66337-24**
Date Collected: 07/29/21 07:26 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	55.3		6.10	6.10	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-TSP072921-12ADOWNWIND — **Lab Sample ID: 570-66337-25**
Date Collected: 07/29/21 07:40 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	41.3		6.16	6.16	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-PM10072921-B606UPWIND — **Lab Sample ID: 570-66337-26**
Date Collected: 07/29/21 07:26 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	31.5		6.10	6.10	ug/m3			08/20/21 10:12	1

Client Sample ID: PE-PM10072921-12ADOWNWIND — **Lab Sample ID: 570-66337-27**
Date Collected: 07/29/21 07:40 — **Matrix: Air**
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	26.5		6.16	6.16	ug/m3			08/20/21 10:12	1

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-66337-1

General Chemistry

Client Sample ID: PE-TSP073021-B606UPWIND
Lab Sample ID: 570-66337-28
Date Collected: 07/30/21 07:22
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	31.4		6.19	6.19	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-TSP073021-12ADOWNWIND
Lab Sample ID: 570-66337-29
Date Collected: 07/30/21 07:40
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	43.7		6.31	6.31	ug/m3			08/19/21 13:00	1

Client Sample ID: PE-PM10073021-B606UPWIND
Lab Sample ID: 570-66337-30
Date Collected: 07/30/21 07:22
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	7.63		6.19	6.19	ug/m3			08/20/21 10:12	1

Client Sample ID: PE-PM10073021-12ADOWNWIND
Lab Sample ID: 570-66337-31
Date Collected: 07/30/21 07:40
Matrix: Air
Date Received: 08/05/21 10:30
Sample Container: Folder/Filter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	41.6		6.31	6.31	ug/m3			08/20/21 10:12	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-173434/1-A
Matrix: Air
Analysis Batch: 173730

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 173434

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/23/21 05:15	08/23/21 17:30	1
Lead	ND		12.0	3.16	ug/Sample		08/23/21 05:15	08/23/21 17:30	1
Manganese	ND		6.00	3.34	ug/Sample		08/23/21 05:15	08/23/21 17:30	1

Lab Sample ID: LCS 570-173434/2-A
Matrix: Air
Analysis Batch: 173718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 173434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1200	1076		ug/Sample		90	80 - 120
Lead	1200	1172		ug/Sample		98	80 - 120
Manganese	1200	1092		ug/Sample		91	80 - 120

Lab Sample ID: LCSD 570-173434/3-A
Matrix: Air
Analysis Batch: 173718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 173434

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	1200	1107		ug/Sample		92	80 - 120	3	20
Lead	1200	1186		ug/Sample		99	80 - 120	1	20
Manganese	1200	1096		ug/Sample		91	80 - 120	0	20

Lab Sample ID: 570-66337-12 MS
Matrix: Air
Analysis Batch: 173718

Client Sample ID: PE-TSP072621-B606UPWIND
Prep Type: Total/NA
Prep Batch: 173434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		600	559.1		ug/Sample		93	75 - 125
Lead	ND		600	601.0		ug/Sample		100	75 - 125
Manganese	6.11		600	578.8		ug/Sample		95	75 - 125

Lab Sample ID: 570-66337-12 MSD
Matrix: Air
Analysis Batch: 173718

Client Sample ID: PE-TSP072621-B606UPWIND
Prep Type: Total/NA
Prep Batch: 173434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		600	555.4		ug/Sample		93	75 - 125	1	20
Lead	ND		600	598.2		ug/Sample		100	75 - 125	0	20
Manganese	6.11		600	576.8		ug/Sample		95	75 - 125	0	20

Method: 40CFR50 App B - Suspended Particulate Matter in Ambient Air

Lab Sample ID: MB 570-172958/1-A
Matrix: Air
Analysis Batch: 172961

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	ND		1.23	1.23	ug/m3			08/19/21 13:00	1

Method: 40CFR50 App B - Suspended Particulate Matter in Ambient Air (Continued)

Lab Sample ID: 570-66337-12 DU
Matrix: Air
Analysis Batch: 172961

Client Sample ID: PE-TSP072621-B606UPWIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Particulates	58.0			57.98		ug/m3				0	25

Method: PM10 - Particulate Matter

Lab Sample ID: MB 570-173087/1
Matrix: Air
Analysis Batch: 173087

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		1.23	1.23	ug/m3			08/20/21 10:12	1

Lab Sample ID: 570-66337-14 DU
Matrix: Air
Analysis Batch: 173087

Client Sample ID: PE-PM10072621-B606UPWIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Particulate Matter	29.0			28.99		ug/m3				0	25

Metals

Prep Batch: 173434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-66337-12	PE-TSP072621-B606UPWIND	Total/NA	Air	3050B	
570-66337-13	PE-TSP072621-12ADOWNWIND	Total/NA	Air	3050B	
570-66337-16	PE-TSP072721-B606UPWIND	Total/NA	Air	3050B	
570-66337-17	PE-TSP072721-12ADOWNWIND	Total/NA	Air	3050B	
570-66337-20	PE-TSP072821-B606UPWIND	Total/NA	Air	3050B	
570-66337-21	PE-TSP072821-12ADOWNWIND	Total/NA	Air	3050B	
570-66337-24	PE-TSP072921-B606UPWIND	Total/NA	Air	3050B	
570-66337-25	PE-TSP072921-12ADOWNWIND	Total/NA	Air	3050B	
570-66337-28	PE-TSP073021-B606UPWIND	Total/NA	Air	3050B	
570-66337-29	PE-TSP073021-12ADOWNWIND	Total/NA	Air	3050B	
MB 570-173434/1-A	Method Blank	Total/NA	Air	3050B	
LCS 570-173434/2-A	Lab Control Sample	Total/NA	Air	3050B	
LCSD 570-173434/3-A	Lab Control Sample Dup	Total/NA	Air	3050B	
570-66337-12 MS	PE-TSP072621-B606UPWIND	Total/NA	Air	3050B	
570-66337-12 MSD	PE-TSP072621-B606UPWIND	Total/NA	Air	3050B	

Analysis Batch: 173718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-66337-12	PE-TSP072621-B606UPWIND	Total/NA	Air	6010B	173434
570-66337-13	PE-TSP072621-12ADOWNWIND	Total/NA	Air	6010B	173434
570-66337-16	PE-TSP072721-B606UPWIND	Total/NA	Air	6010B	173434
570-66337-17	PE-TSP072721-12ADOWNWIND	Total/NA	Air	6010B	173434
570-66337-20	PE-TSP072821-B606UPWIND	Total/NA	Air	6010B	173434
570-66337-21	PE-TSP072821-12ADOWNWIND	Total/NA	Air	6010B	173434
570-66337-24	PE-TSP072921-B606UPWIND	Total/NA	Air	6010B	173434
570-66337-25	PE-TSP072921-12ADOWNWIND	Total/NA	Air	6010B	173434
570-66337-28	PE-TSP073021-B606UPWIND	Total/NA	Air	6010B	173434
570-66337-29	PE-TSP073021-12ADOWNWIND	Total/NA	Air	6010B	173434
LCS 570-173434/2-A	Lab Control Sample	Total/NA	Air	6010B	173434
LCSD 570-173434/3-A	Lab Control Sample Dup	Total/NA	Air	6010B	173434
570-66337-12 MS	PE-TSP072621-B606UPWIND	Total/NA	Air	6010B	173434
570-66337-12 MSD	PE-TSP072621-B606UPWIND	Total/NA	Air	6010B	173434

Analysis Batch: 173730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-173434/1-A	Method Blank	Total/NA	Air	6010B	173434

General Chemistry

Pre Prep Batch: 172958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-66337-12	PE-TSP072621-B606UPWIND	Total/NA	Air	Filter to Air	
570-66337-13	PE-TSP072621-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-66337-16	PE-TSP072721-B606UPWIND	Total/NA	Air	Filter to Air	
570-66337-17	PE-TSP072721-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-66337-20	PE-TSP072821-B606UPWIND	Total/NA	Air	Filter to Air	
570-66337-21	PE-TSP072821-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-66337-24	PE-TSP072921-B606UPWIND	Total/NA	Air	Filter to Air	
570-66337-25	PE-TSP072921-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-66337-28	PE-TSP073021-B606UPWIND	Total/NA	Air	Filter to Air	
570-66337-29	PE-TSP073021-12ADOWNWIND	Total/NA	Air	Filter to Air	

General Chemistry (Continued)

Pre Prep Batch: 172958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-172958/1-A	Method Blank	Total/NA	Air	Filter to Air	
570-66337-12 DU	PE-TSP072621-B606UPWIND	Total/NA	Air	Filter to Air	

Analysis Batch: 172961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-66337-12	PE-TSP072621-B606UPWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-13	PE-TSP072621-12ADOWNWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-16	PE-TSP072721-B606UPWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-17	PE-TSP072721-12ADOWNWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-20	PE-TSP072821-B606UPWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-21	PE-TSP072821-12ADOWNWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-24	PE-TSP072921-B606UPWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-25	PE-TSP072921-12ADOWNWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-28	PE-TSP073021-B606UPWIND	Total/NA	Air	40CFR50 App B	172958
570-66337-29	PE-TSP073021-12ADOWNWIND	Total/NA	Air	40CFR50 App B	172958
MB 570-172958/1-A	Method Blank	Total/NA	Air	40CFR50 App B	172958
570-66337-12 DU	PE-TSP072621-B606UPWIND	Total/NA	Air	40CFR50 App B	172958

Analysis Batch: 173087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-66337-14	PE-PM10072621-B606UPWIND	Total/NA	Air	PM10	
570-66337-15	PE-PM10072621-12ADOWNWIND	Total/NA	Air	PM10	
570-66337-18	PE-PM10072721-B606UPWIND	Total/NA	Air	PM10	
570-66337-19	PE-PM10072721-12ADOWNWIND	Total/NA	Air	PM10	
570-66337-22	PE-PM10072821-B606UPWIND	Total/NA	Air	PM10	
570-66337-23	PE-PM10072821-12ADOWNWIND	Total/NA	Air	PM10	
570-66337-26	PE-PM10072921-B606UPWIND	Total/NA	Air	PM10	
570-66337-27	PE-PM10072921-12ADOWNWIND	Total/NA	Air	PM10	
570-66337-30	PE-PM10073021-B606UPWIND	Total/NA	Air	PM10	
570-66337-31	PE-PM10073021-12ADOWNWIND	Total/NA	Air	PM10	
MB 570-173087/1	Method Blank	Total/NA	Air	PM10	
570-66337-14 DU	PE-PM10072621-B606UPWIND	Total/NA	Air	PM10	

BALANCE CALIBRATION CHECK LOG

Eurofins Calscience

Date performed: 08/19/21 Initials: ZHY

ID	Class 2 Weight (g)	Reading (g)	Acceptance Range	Pass? (circle one)	Comment (If not passed, note removal or corrective action)
83	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	99.99	98.00 - 102.00	(Y) N	
62	0.002	0.0018	0.0015 - 0.0025	(Y) N	IO Lab
	1	0.9999	0.9990 - 1.0010	(Y) N	
	100	99.9997	99.9000 - 100.1000	(Y) N	
11	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	100.02	98.00 - 102.00	(Y) N	
55	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	99.98	98.00 - 102.00	(Y) N	
	500	499.97	490.00 - 510.00	(Y) N	
86	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	100.00	98.00 - 102.00	(Y) N	
	500	500.00	490.00 - 510.00	(Y) N	
71	0.002	0.0018	0.0015 - 0.0025	(Y) N	BOD Room
	1	0.9999	0.9990 - 1.0010	(Y) N	
	100	99.9996	99.9000 - 100.1000	(Y) N	
63	0.1		0.08 - 0.12	Y N	BOD Room
	100		98.00 - 102.00	Y N	
73	0.1	0.10	0.08 - 0.12	(Y) N	Oil & Grease Room
	1	1.00	0.98 - 1.02	(Y) N	
	100	100.00	98.00 - 102.00	(Y) N	
87	0.002	0.0016	0.0015 - 0.0025	(Y) N	Solids Room
	1	0.9998	0.9990 - 1.0010	(Y) N	
	100	99.9994	99.9000 - 100.1000	(Y) N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

Comments:

WT SET ID USED: 2 mg 25085	COMMENT:
WT SET ID USED: 10 mg - 100 g 69065	
WT SET ID USED: 500 g 64886	

BALANCE CALIBRATION CHECK LOG

Eurofins Calscience

Date performed: 08/20/21 Initials: ZHW

ID	Class 2 Weight (g)	Reading (g)	Acceptance Range	Pass? (circle one)	Comment (If not passed, note removal or corrective action)
83	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	99.96	98.00 - 102.00	(Y) N	
62	0.002	0.0015	0.0015 - 0.0025	(Y) N	IO Lab
	1	0.9998	0.9990 - 1.0010	(Y) N	
	100	100.0000	99.9000 - 100.1000	(Y) N	
11	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	100.00	98.00 - 102.00	(Y) N	
55	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	100.00	98.00 - 102.00	(Y) N	
	500	499.95	490.00 - 510.00	(Y) N	
86	1	1.00	0.98 - 1.02	(Y) N	IO Lab
	100	100.00	98.00 - 102.00	(Y) N	
	500	500.00	490.00 - 510.00	(Y) N	
71	0.002	0.0019	0.0015 - 0.0025	(Y) N	BOD Room
	1	1.0003	0.9990 - 1.0010	(Y) N	
	100	99.9995	99.9000 - 100.1000	(Y) N	
63	0.1		~~0.08~~ - 0.12	Y N	BOD Room
	100		98.00 - 102.00	Y N	
73	0.1	0.10	0.08 - 0.12	(Y) N	Oil & Grease Room
	1	1.00	0.98 - 1.02	(Y) N	
	100	100.00	98.00 - 102.00	(Y) N	
87	0.002	0.0021	0.0015 - 0.0025	(Y) N	Solids Room
	1	1.0003	0.9990 - 1.0010	(Y) N	
	100	99.9996	99.9000 - 100.1000	(Y) N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

Comments:

WT SET ID USED: 2 mg	250555	**COMMENT:**
WT SET ID USED: 10 mg - 100 g	690655	
WT SET ID USED: 500 g	648866	

Client Sample ID: PE-TSP072621-B606UPWIND

Lab Sample ID: 570-66337-12
Date Collected: 07/26/21 07:45
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:14	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072621-12ADOWNWIND

Lab Sample ID: 570-66337-13
Date Collected: 07/26/21 07:50
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:21	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072621-B606UPWIND

Lab Sample ID: 570-66337-14
Date Collected: 07/26/21 07:45
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4495 g	4.4628 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072621-12ADOWNWIND

Lab Sample ID: 570-66337-15
Date Collected: 07/26/21 07:50
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.4319 g	4.4472 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072721-B606UPWIND

Lab Sample ID: 570-66337-16
Date Collected: 07/27/21 07:14
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:23	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072721-12ADOWNWIND
Lab Sample ID: 570-66337-17
Date Collected: 07/27/21 07:30
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:25	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072721-B606UPWIND
Lab Sample ID: 570-66337-18
Date Collected: 07/27/21 07:14
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.3149 g	4.3327 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072721-12ADOWNWIND
Lab Sample ID: 570-66337-19
Date Collected: 07/27/21 07:30
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.3520 g	4.3754 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072821-B606UPWIND
Lab Sample ID: 570-66337-20
Date Collected: 07/28/21 07:15
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:27	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072821-12ADOWNWIND
Lab Sample ID: 570-66337-21
Date Collected: 07/28/21 07:25
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:39	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072821-B606UPWIND
Lab Sample ID: 570-66337-22
Date Collected: 07/28/21 07:15
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.3810 g	4.3906 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072821-12ADOWNWIND
Lab Sample ID: 570-66337-23
Date Collected: 07/28/21 07:25
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.3939 g	4.4101 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072921-B606UPWIND
Lab Sample ID: 570-66337-24
Date Collected: 07/29/21 07:26
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:41	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP072921-12ADOWNWIND
Lab Sample ID: 570-66337-25
Date Collected: 07/29/21 07:40
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:43	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10072921-B606UPWIND
Lab Sample ID: 570-66337-26
Date Collected: 07/29/21 07:26
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.3678 g	4.3833 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Lab Chronicle

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-66337-1

Client Sample ID: PE-PM10072921-12ADOWNWIND
Lab Sample ID: 570-66337-27
Date Collected: 07/29/21 07:40
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.3690 g	4.3819 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP073021-B606UPWIND
Lab Sample ID: 570-66337-28
Date Collected: 07/30/21 07:22
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:45	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-TSP073021-12ADOWNWIND
Lab Sample ID: 570-66337-29
Date Collected: 07/30/21 07:40
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	173434	08/23/21 05:15	WL8G	ECL 1
Total/NA	Analysis	6010B		1			173718	08/23/21 14:47	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					172958	08/19/21 12:00	UAPD	ECL 1
Total/NA	Analysis	40CFR50 App B		1			172961	08/19/21 13:00	UAPD	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10073021-B606UPWIND
Lab Sample ID: 570-66337-30
Date Collected: 07/30/21 07:22
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.2756 g	4.2793 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Client Sample ID: PE-PM10073021-12ADOWNWIND
Lab Sample ID: 570-66337-31
Date Collected: 07/30/21 07:40
Matrix: Air
Date Received: 08/05/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10		1	4.3408 g	4.3606 g	173087	08/20/21 10:12	UWCT	ECL 1
	Instrument ID: BAL62									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

EMSL = EMSL - LA Testing - Huntington Beach, 5431 Industrial Drive, Huntington Beach, CA 92649

Accreditation/Certification Summary

Client: Aptim Federal Services LLC
Job ID: 570-66337-1
Project/Site: HPNS - Parcel E / 500712

Laboratory: Eurofins Calscience LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
40CFR50 App B		Air	Total Suspended Particulates
6010B	3050B	Air	Arsenic
6010B	3050B	Air	Lead
6010B	3050B	Air	Manganese

Method Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-66337-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	ECL 1
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	ECL 1
PM10	Particulate Matter	40CFR50J	ECL 1
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL
3050B	Preparation, Metals	SW846	ECL 1
Filter to Air	Filter to Air volume ratio	None	ECL 1

Protocol References:

40CFR50J = 40 CFR Part 50 Appendix J

EPA = US Environmental Protection Agency

NIOSH = NIOSH Manual Of Analytical Methods, National Institute For Occupational Safety And Health, 4th Edition, August 1994 and it's Supplements

None = None

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

EMSL = EMSL - LA Testing - Huntington Beach, 5431 Industrial Drive, Huntington Beach, CA 92649

Sample Summary

Client: Aptim Federal Services LLC
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-66337-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-66337-1	PE-ASB072621-B606UPWIND	Air	07/26/21 07:45	08/05/21 10:30
570-66337-2	PE-ASB072621-12ADOWNWIND	Air	07/26/21 07:50	08/05/21 10:30
570-66337-3	PE-ASB072721-B606UPWIND	Air	07/27/21 07:14	08/05/21 10:30
570-66337-4	PE-ASB072721-12ADOWNWIND	Air	07/27/21 07:30	08/05/21 10:30
570-66337-5	PE-ASB072821-B606UPWIND	Air	07/28/21 07:15	08/05/21 10:30
570-66337-6	PE-ASB072821-12ADOWNWIND	Air	07/28/21 07:25	08/05/21 10:30
570-66337-7	PE-ASB072921-B606UPWIND	Air	07/29/21 07:26	08/05/21 10:30
570-66337-8	PE-ASB072921-12ADOWNWIND	Air	07/29/21 07:40	08/05/21 10:30
570-66337-9	PE-ASB073021-B606UPWIND	Air	07/30/21 07:22	08/05/21 10:30
570-66337-10	PE-ASB073021-12ADOWNWIND	Air	07/30/21 07:40	08/05/21 10:30
570-66337-11	PE-ASB073021-BLANK	Air	07/30/21 07:00	08/05/21 10:30
570-66337-12	PE-TSP072621-B606UPWIND	Air	07/26/21 07:45	08/05/21 10:30
570-66337-13	PE-TSP072621-12ADOWNWIND	Air	07/26/21 07:50	08/05/21 10:30
570-66337-14	PE-PM10072621-B606UPWIND	Air	07/26/21 07:45	08/05/21 10:30
570-66337-15	PE-PM10072621-12ADOWNWIND	Air	07/26/21 07:50	08/05/21 10:30
570-66337-16	PE-TSP072721-B606UPWIND	Air	07/27/21 07:14	08/05/21 10:30
570-66337-17	PE-TSP072721-12ADOWNWIND	Air	07/27/21 07:30	08/05/21 10:30
570-66337-18	PE-PM10072721-B606UPWIND	Air	07/27/21 07:14	08/05/21 10:30
570-66337-19	PE-PM10072721-12ADOWNWIND	Air	07/27/21 07:30	08/05/21 10:30
570-66337-20	PE-TSP072821-B606UPWIND	Air	07/28/21 07:15	08/05/21 10:30
570-66337-21	PE-TSP072821-12ADOWNWIND	Air	07/28/21 07:25	08/05/21 10:30
570-66337-22	PE-PM10072821-B606UPWIND	Air	07/28/21 07:15	08/05/21 10:30
570-66337-23	PE-PM10072821-12ADOWNWIND	Air	07/28/21 07:25	08/05/21 10:30
570-66337-24	PE-TSP072921-B606UPWIND	Air	07/29/21 07:26	08/05/21 10:30
570-66337-25	PE-TSP072921-12ADOWNWIND	Air	07/29/21 07:40	08/05/21 10:30
570-66337-26	PE-PM10072921-B606UPWIND	Air	07/29/21 07:26	08/05/21 10:30
570-66337-27	PE-PM10072921-12ADOWNWIND	Air	07/29/21 07:40	08/05/21 10:30
570-66337-28	PE-TSP073021-B606UPWIND	Air	07/30/21 07:22	08/05/21 10:30
570-66337-29	PE-TSP073021-12ADOWNWIND	Air	07/30/21 07:40	08/05/21 10:30
570-66337-30	PE-PM10073021-B606UPWIND	Air	07/30/21 07:22	08/05/21 10:30
570-66337-31	PE-PM10073021-12ADOWNWIND	Air	07/30/21 07:40	08/05/21 10:30

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332118147
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 08/06/2021 12:00 PM
Analysis Date: 08/17/2021
Collected Date: 07/26/2021 - 07/30/2021

Project: HPNS - Parcel E / 500712 / 570-66337

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
PE-ASB072621-B606UPW IND (570-66337-1) *332118147-0001*		07/26/2021	1200	8	100	0.0022	10.2	0.0033	Sample pulled for 10% recount.
PE-ASB072621-12ADOW NWIND (570-66337-2) *332118147-0002*		07/26/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB072721-B606UPW IND (570-66337-3) *332118147-0003*		07/27/2021	1200	5.5	100	0.0022	7.01	0.0023	
PE-ASB072721-12ADOW NWIND (570-66337-4) *332118147-0004*		07/27/2021	1200	7	100	0.0022	8.92	0.0029	
PE-ASB072821-B606UPW IND (570-66337-5) *332118147-0005*		07/28/2021	1200	7	100	0.0022	8.92	0.0029	
PE-ASB072821-12ADOW NWIND (570-66337-6) *332118147-0006*		07/28/2021	1200	49.5	100	0.0022	63.1	0.0202	
PE-ASB072921-B606UPW IND (570-66337-7) *332118147-0007*		07/29/2021	1200	8.5	100	0.0022	10.8	0.0035	
PE-ASB072921-12ADOW NWIND (570-66337-8) *332118147-0008*		07/29/2021	1200	17	100	0.0022	21.7	0.0070	
PE-ASB073021-B606UPW IND (570-66337-9) *332118147-0009*		07/30/2021	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB073021-12ADOW NWIND (570-66337-10) *332118147-0010*		07/30/2021	1200	100	68	0.0022	187	0.0601	
PE-ASB073021-BLANK (570-66337-11) *332118147-0011*		07/30/2021		<5.5	100		<7.01		Field Blank Sample pulled for 10% recount.
PE-ASB072621-B606UPW IND (570-66337-1) *332118147-0012*			1200	<5.5	100	0.0022	<7.01	<0.0022	10% Recount; Individual-CV=0.26

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from: 08/17/2021 09:08 AM

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 332118147
Customer ID: 32CALS51
Customer PO:
Project ID:

Attention: Terri Chang
Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 08/06/2021 12:00 PM
Analysis Date: 08/17/2021
Collected Date: 07/26/2021 - 07/30/2021

Project: HPNS - Parcel E / 500712 / 570-66337

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 3, 6/15/2019

Sample	*Location*	*Sample Date*	*Volume (L)*	*Fibers*	*Fields*	*LOD (fib/cc)*	*Fibers/mm²*	*Fibers/cc*	*Notes*
PE-ASB073021-BLANK (570-66337-11)				<5.5	100		<7.01		Field Blank 10% Recount; Individual-CV=0.26
332118147-0013									

The results reported have been blank corrected as applicable.

Analyst(s):
Dennies Ly PCM 13

Michael Chapman, Laboratory Manager
or other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. Field blank results, when available, are used to blank correct results. NIOSH 7400 requires field blanks be submitted at a rate of 10%, with a minimum of 2 per set. Measurement of uncertainty available upon request. The results in this report meet all requirements of the NELAC standards unless otherwise noted.
Intra-laboratory Sr values: 5-20 fibers = 0.35, 21-50 fibers = 0.24, 51-100 fibers = 0.19. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.34.
Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--IHLAP Accredited #101650

Initial report from: 08/17/2021 09:08 AM

66337

APTIM

570-66337 Chain of Custody

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 071

Page 1 of 2

APTIM Federal Services, LLC

4005 Port Chicago Hwy

Concord, CA 94520

Project Manager *Nels Johnson*

Send Report To: *Jose Maldonado*

Phone/Fax Number: *415-340-9637*

Address: *4005 Port Chicago Hwy*

City: *Concord, CA 94520*

Jose.Maldonado@aptim.com

Sampler's Name(s): JM

Project Number: 500712

Project Name: HPNS - Parcel E

Project Location: San Francisco, CA

Purchase Order #: 1168336

Lab Destination: Eurofins-Calscience

7440 Lincoln Way

Garden Grove CA 92841

Lab Contact: Terri Chang

	Sample ID Number	Filter No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010B)	Flow Rate (L/min.)	Sample Volume (m^3)			
1	PE-ASB072621-B606UPWIND	DA341056	07/26/21	7:45	G	A	1	PCM			X			2.00	1.20			
2	PE-ASB072621-12ADOWNWIND	DA341087	07/26/21	7.50	G	A	1	PCM			X			2.00	1.20			
3	PE-ASB072721-B606UPWIND	DA341114	07/27/21	7 14	G	A	1	PCM			X			2.00	1.20			
4	PE-ASB072721-12ADOWNWIND	DA341115	07/27/21	7:30	G	A	1	PCM			X			2.00	1.20			
5	PE-ASB072821-B606UPWIND	DA341108	07/28/21	7.15	G	A	1	PCM			X			2.00	1.20			
6	PE-ASB072821-12ADOWNWIND	DA341109	07/28/21	7:25	G	A	1	PCM			X			2.00	1.20			
7	PE-ASB072921-B606UPWIND	DA341063	07/29/21	7:26	G	A	1	PCM			X			2.00	1.20			
8	PE-ASB072921-12ADOWNWIND	DA341093	07/29/21	7 40	G	A	1	PCM			X			2.00	1.20			
9	PE-ASB073021-B606UPWIND	DA341094	07/30/21	7:22	G	A	1	PCM			X			2.00	1.20			
10	PE-ASB073021-12ADOWNWIND	DA341096	07/30/21	7:40	G	A	1	PCM			X			2.00	1.20			
11	PE-ASB073021-BLANK	DA341028	07/30/21	7:00	G	A	1	PCM			X			NA				
	Temperature Blank																	x

Special Instructions: J to MDL

Turn Around Time: ☐ 24-hr ☐ 5-day ☑ 10-day

Level Of QC Required: I ☐ II ☑ III ☐ Project Specific

Relinquished By: Jose Maldonado	Date: 8/4/21	Received By: Mark Valentine	Date: 8/4/21
	Time: 1000		Time: 1000
Relinquished By: to GS	Date: 8/4/21	Received By:	Date: 8/5/21
	Time: 1630		Time: 1030
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:

Method Codes

C = Composite G = Grab

Matrix Codes

DW = Drinking Water SO =Soil

GW = Ground Water SL = Sludge

WW = Waste Water CP = Chip Samples

A=Air

ABS=Asbestos, PO=Pipe Opening

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APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 071

Page 2 of 2

APTIM Federal Services, LLC
4005 Port Chicago Hwy
Concord, CA 94520

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Send Report To: *Jose Maldonado*
Phone/Fax Number: *415-340-9637*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
Jose.Maldonado@aptim.com

Sampler's Name(s): *JM*

	Sample ID Number	Lot No.	Collection Information			Matrix	# of containers	Container Type	Analyses Requested									
			Date	Time	Method				PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH	Flow Rate (L/min.)	Sample Volume (m^3)			
12	PE-TSP072621-B606UPWIND	Q0410276	07/26/21	7 45	G	A	1	8X10 EPM Whatman					X	1132.8	458.8			
13	PE-TSP072621-12ADOWNWIND	Q0410278	07/26/21	7:50	G	A	1	8X10 EPM Whatman					X	1132.8	464.4			
14	PE-PM10072621-B606UPWIND	Q0410275	07/26/21	7 45	G	A	1	8X10 EPM Whatman				X		1132.8	458.8			
15	PE-PM10072621-12ADOWNWIND	Q0410277	07/26/21	7 50	G	A	1	8X10 EPM Whatman				X		1132.8	464.4			
16	PE-TSP072721-B606UPWIND	Q0409729	07/27/21	7·14	G	A	1	8X10 EPM Whatman					X	1132.8	505.2			
17	PE-TSP072721-12ADOWNWIND	Q0409728	07/27/21	7.30	G	A	1	8X10 EPM Whatman					X	1132.8	498.4			
18	PE-PM10072721-B606UPWIND	Q0410269	07/27/21	7 14	G	A	1	8X10 EPM Whatman				X		1132.8	505.2			
19	PE-PM10072721-12ADOWNWIND	Q0410270	07/27/21	7.30	G	A	1	8X10 EPM Whatman				X		1132.8	498.4			
20	PE-TSP072821-B606UPWIND	Q0409742	07/28/21	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	504.1			
21	PE-TSP072821-12ADOWNWIND	Q0409741	07/28/21	7·25	G	A	1	8X10 EPM Whatman					X	1132.8	504.1			
22	PE-PM10072821-B606UPWIND	Q0409740	07/28/21	7 15	G	A	1	8X10 EPM Whatman				X		1132.8	504.1			
23	PE-PM10072821-12ADOWNWIND	Q0409739	07/28/21	7·25	G	A	1	8X10 EPM Whatman				X		1132.8	504.1			
24	PE-TSP072921-B606UPWIND	Q0409746	07/29/21	7 26	G	A	1	8X10 EPM Whatman					X	1132.8	491.6			
25	PE-TSP072921-12ADOWNWIND	Q0409745	07/29/21	7 40	G	A	1	8X10 EPM Whatman					X	1132.8	487.1			
26	PE-PM10072921-B606UPWIND	Q0409744	07/29/21	7·26	G	A	1	8X10 EPM Whatman				X		1132.8	491.6			
27	PE-PM10072921-12ADOWNWIND	Q0409743	07/29/21	7 40	G	A	1	8X10 EPM Whatman				X		1132.8	487.1			
28	PE-TSP073021-B606UPWIND	Q0409752	07/30/21	7 22	G	A	1	8X10 EPM Whatman					X	1132.8	484.8			
29	PE-TSP073021-12ADOWNWIND	Q0409751	07/30/21	7·40	G	A	1	8X10 EPM Whatman					X	1132.8	475.8			
30	PE-PM10073021-B606UPWIND	Q0408900	07/30/21	7.22	G	A	1	8X10 EPM Whatman				X		1132.8	484.8			
31	PE-PM10073021-12ADOWNWIND	Q0408899	07/30/21	7.40	G	A	1	8X10 EPM Whatman				X		1132.8	475.8			

8/24/2021

66337

AIR MONITORING LOG

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 071

SAMPLE NO. PE-ASB072621-B606UPWIND 7/26/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341056	2 000	2 000	2.000	7/26/21 07 45	7/26/21 17 45	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072621-12ADOWNWIND 7/26/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341087	2 000	2.000	2.000	7/26/21 07:50	7/26/21 17:50	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072721-B606UPWIND 7/27/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341114	2 000	2 000	2.000	7/27/21 07:14	7/27/21 17:14	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072721-12ADOWNWIND 7/27/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341115	2 000	2.000	2.000	7/27/21 07:30	7/27/21 17.30	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072821-B606UPWIND 7/28/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341108	2.000	2.000	2.000	7/28/21 07.15	7/28/21 17:15	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072821-12ADOWNWIND 7/28/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341109	2 000	2.000	2.000	7/28/21 07:25	7/28/21 17:25	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072921-B606UPWIND 7/29/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341063	2.000	2 000	2.000	7/29/21 07:26	7/29/21 17:26	600	1.20	Asbestos	2.00

SAMPLE NO. PE-ASB072921-12ADOWNWIND 7/29/2021 *12A Downwind*

LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341093	2 000	2 000	2.0	7/29/21 07:40	7/29/21 17:40	600	1.20	Asbestos	2.00

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SAMPLE NO.	PE-ASB073021-B606UPWIND			7/30/2021 *Building 606 Upwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341094	2.000	2.000	2.0	7/30/21 07:22	7/30/21 17:22	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB073021-12ADOWNWIND			7/30/2021 *12A Downwind*					
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341096	2 000	2.000	2.0	7/30/21 07:40	7/30/21 17:40	600	1.2	Asbestos	2.00

SAMPLE NO.	PE-ASB073021-BLANK				7/30/2021 *Building 606 Upwind*				
LOT No.	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
DA341028				7/30/21 07:00			0.0	Asbestos	

66337

PROJECT NAME: HPNS Parcel E PROJ. NO. 500712 Asbestos TSP PM-10

STATION COC# 071

SAMPLE NO. PE-TSP072621-B606UPWIND 7/26/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410276	40.0	40 0	40.0	7/26/21 07:45	7/26/21 14:30	405	458.8	TSP	1132.80

SAMPLE NO. PE-TSP072621-12ADOWNWIND 7/26/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410278	40.0	40.0	40.0	7/26/21 07:50	7/26/21 14:40	410	464.4	TSP	1132.80

SAMPLE NO. PE-PM10072621-B606UPWIND 7/26/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410275	40.0	40.0	40.0	7/26/21 07:45	7/26/21 14:30	405	458.8	PM-10	1132.80

SAMPLE NO. PE-PM10072621-12ADOWNWIND 7/26/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410277	40.0	40.0	40.0	7/26/21 07:50	7/26/21 14:40	410	464.4	PM-10	1132.80

SAMPLE NO. PE-TSP072721-B606UPWIND 7/27/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409729	40 0	40.0	40.0	7/27/21 07:14	7/27/21 14:40	446	505.2	TSP	1132.80

SAMPLE NO. PE-TSP072721-12ADOWNWIND 7/27/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409728	40.0	40.0	40.0	7/27/21 07:30	7/27/21 14:50	440	498.4	TSP	1132.80

SAMPLE NO. PE-PM10072721-B606UPWIND 7/27/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0410269	40.0	40 0	40.0	7/27/21 07:14	7/27/21 14:40	446	505.2	PM-10	1132.80

SAMPLE NO. PE-PM10072721-12ADOWNWIND 7/27/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				

Q0410270	40 0	40 0	40.0	7/27/21 07:30	7/27/21 14:50	440	498.4	PM-10	1132.80

SAMPLE NO. **PE-TSP072821-B606UPWIND** 7/28/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409742	40 0	40.0	40.0	7/28/21 07:15	7/28/21 14:40	445	504.1	TSP	1132.80

SAMPLE NO. **PE-TSP072821-12ADOWNWIND** 7/28/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409741	40 0	40.0	40.0	7/28/21 07:25	7/28/21 14:50	445	504.1	TSP	1132.80

SAMPLE NO. **PE-PM10072821-B606UPWIND** 7/28/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409740	40.0	40.0	40.0	7/28/21 07:15	7/28/21 14:40	445	504.1	PM-10	1132.80

SAMPLE NO. **PE-PM10072821-12ADOWNWIND** 7/28/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409739	40 0	40.0	40.0	7/28/21 07:25	7/28/21 14:50	445	504.1	PM-10	1132.80

SAMPLE NO. **PE-TSP072921-B606UPWIND** 7/29/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409746	40 0	40 0	40.0	7/29/21 07:26	7/29/21 14:40	434	491.6	TSP	1132.80

SAMPLE NO. **PE-TSP072921-12ADOWNWIND** 7/29/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409745	40.0	40 0	40.0	7/29/21 07:40	7/29/21 14:50	430	487.1	TSP	1132.80

SAMPLE NO. **PE-PM10072921-B606UPWIND** 7/29/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
		STOP	AVERAGE	START	STOP				
Q0409744	40.0	40.0	40.0	7/29/21 07:26	7/29/21 14:40	434	491.6	PM-10	1132.80

SAMPLE NO. **PE-PM10072921-12ADOWNWIND** 7/29/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409743	40 0	40.0	40.0	7/29/21 07:40	7/29/21 14:50	430	487.1	PM-10	1132.80

SAMPLE NO. **PE-TSP073021-B606UPWIND** 7/30/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409752	40 0	40.0	40.0	7/30/21 07:22	7/30/21 14:30	428	484.8	TSP	1132.80

SAMPLE NO. **PE-TSP073021-12ADOWNWIND** 7/30/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0409751	40 0	40.0	40 0	7/30/21 07:40	7/30/21 14:40	420	475.8	TSP	1132.80

SAMPLE NO. **PE-PM10073021-B606UPWIND** 7/30/2021 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0408900	40.0	40.0	40.0	7/30/21 07:22	7/30/21 14:30	428	484.8	PM-10	1132.80

SAMPLE NO. **PE-PM10073021-12ADOWNWIND** 7/30/2021 *12A Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0408899	40 0	40 0	40.0	7/30/21 07:40	7/30/21 14:40	420	475.8	PM-10	1132.80

66337

GLS

570-66337 Waybill

Ship From
EUROFINS CALSCIENCE, INC
ALAN KEMP
5063 COMMERCIAL CIRCLE
H
CONCORD, CA 94520

Tracking #: 554208778

NPS

Ship To
CEL
SAMPLE RECEIVING
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD: $0 00
Weight: 0 lb(s)
Reference:
APTIM
Delivery Instructions:

Signature Type: STANDARD

GARDEN GROVE

S10262D

46817468

ORC CA927-CD0

Print Date: 8/4/2021 4:00 PM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1. Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2. Fold this page in half.
Step 3 Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us com

Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-66337-1

Login Number: 66337
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

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