

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

**Interim**

**Air Sampling Summary Report No. 31**

Data Date Range: November 20, 2019 through  
September 1, 2022

Parcel E Remedial Action—Phase 1

Hunters Point Naval Shipyard, San Francisco, CA

November 2022



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DCN: APTM-2005-0024-0082

#### **Prepared for:**

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

#### **Prepared by:**

Aptim Federal Services, LLC  
4005 Port Chicago Highway, Suite 200  
Concord, CA 94520  
Contract Number: N62473-12-D-2005; Task Order: 0024

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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.....	<i>Final Remedial Action Work Plan, Parcel E Remedial Action—Phase 1, Hunters Point Naval Shipyard, San Francisco, California</i>

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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 September 1, 2022, 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 weather station installed onsite is used to show wind direction and weather forecasts are checked daily at [www.noaa.gov](http://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 <sup>b</sup>	Basis
PM10 (by air sampling laboratory analysis)	5,000 µg/m <sup>3</sup> (basewide)	Cal/OSHA PEL <sup>a</sup>
TSP	0.5 mg/m <sup>3</sup>	Basewide HPNS Level selected to minimize overall permissible dust release from sites
Arsenic	10 µg/m <sup>3</sup>	Cal/OSHA PEL
Lead	50 µg/m <sup>3</sup>	Cal/OSHA PEL
Manganese	200 µg/m <sup>3</sup>	Cal/OSHA PEL
Asbestos	0.1 fiber/cm <sup>3</sup>	Cal/OSHA PEL

Notes:

<sup>a</sup> Cal/OSHA PEL for particulates not otherwise regulated (respiratory) used for PM10.

<sup>b</sup> 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<sup>3</sup> micrograms per cubic meter

Cal/OSHA California Occupational Safety and Health Administration

fiber/cm<sup>3</sup> fibers per cubic centimeter

HPNS Hunters Point Naval Shipyard

mg/m<sup>3</sup> 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	07/06/2021-07/30/2021	Yes
20	08/02/2021-09/03/2021	No
21	09/07/2021-10/01/2021	No
22	10/04/2021-10/29/2021	Yes
23	11/01/2021-11/26/2021	Yes
24	11/29/2021-12/31/2021	Yes
25	01/03/2022-02/04/2022	Yes
26	02/07/2022-04/08/2022	Yes
27	04/08/2022-04/30/2022	Yes

<b>Interim Report Number</b>	<b>New Data Date Range</b>	<b>Anomaly Noted (Yes/No)</b>
28	05/02/2022-05/27/2022	No
29	05/31/2022-07/01/2022	No
30	07/05/2022-07/28/2022	No
31	08/01/2022-09/01/2022	No

### **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.

### **5.20 Report 20**

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

### **5.21 Report 21**

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

### **5.22 Report 22**

Perimeter air samples were not collected on October 21, 22, 25 and 26 due to rain. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

### **5.23 Report 23**

Perimeter air samples were not collected on November 9 and 10 due to rain. Air samples were also not collected on November 25 and 26 due to Thanksgiving holiday. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

### **5.24 Report 24**

Due to temporary site shutdown and no earth moving activities from December 13 through December 31, 2021, perimeter air monitoring samples were not collected for PM10, TSP, metals, or asbestos. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

### **5.25 Report 25**

Due to temporary site shutdown and no earth moving activities from January 3 through January 10, 2022, perimeter air monitoring samples were not collected for PM10, TSP, metals, or asbestos. Perimeter air samples were also not collected on January 17 due to a company holiday. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

### **5.26 Report 26**

Due to a laboratory sample preparation error, PM10 and TSP results for the week of 3/21 through 3/25 were not reported. Real-time dust monitors did provide PM10 data during this period. Metals and asbestos results are available for this week. Additionally, samples were not collected on March 28 due to rain. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

### **5.27 Report 27**

Perimeter air samples were not collected on April 11, 14, 15, 21, and 22, 2022, due to rain. All other air sampling results during this sampling period were below the action levels identified in Table 4-1.

### **5.28 Report 28**

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

### **5.29 Report 29**

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

### **5.30 Report 30**

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

### **5.31 Report 31**

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

## 6.0 References

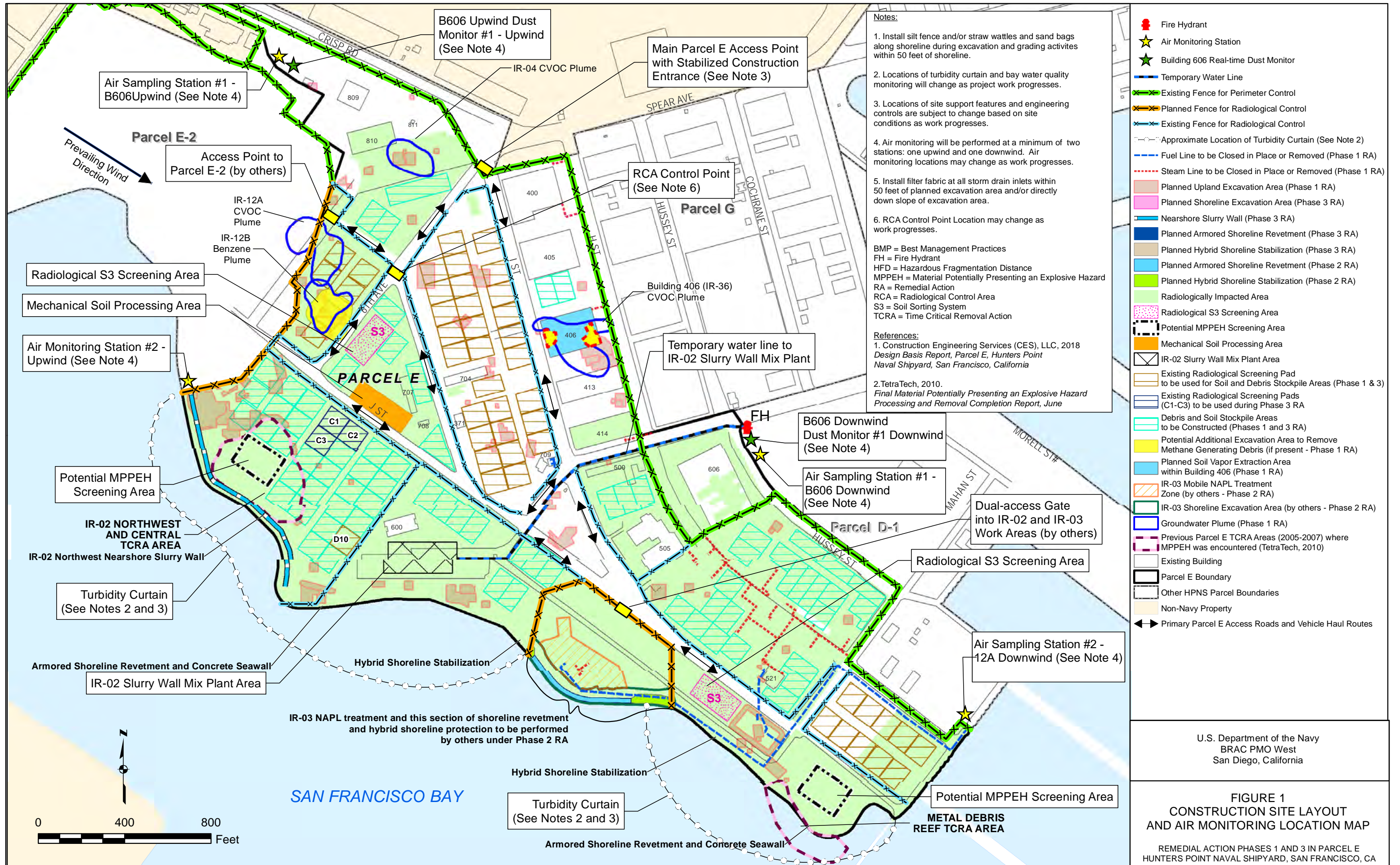
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# **ATTACHMENT 1**

## **AIR SAMPLING RESULTS**

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
13-Jan-20	30.29	10.6
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



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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
5-Mar-20	30.10	13.1
6-Mar-20	30.00	12.4
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
28-Apr-20	30.10	15.3
29-Apr-20	30.00	14.2
30-Apr-20	30.10	13.8
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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
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



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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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	29.92	14.5
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

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
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	13.5
8-Jul-21	29.90	16.1
9-Jul-21	29.95	16.8
12-Jul-21	29.97	12.8
13-Jul-21	29.97	13.4
14-Jul-21	29.99	14.2
15-Jul-21	30.05	13.0
16-Jul-21	30.00	13.1
19-Jul-21	30.07	14.9
20-Jul-21	30.08	14.1
21-Jul-21	30.00	14.7
22-Jul-21	30.02	14.3
23-Jul-21	30.05	15.1
26-Jul-21	29.98	15.5
27-Jul-21	30.03	16.6
28-Jul-21	30.08	16.6
29-Jul-21	29.99	16.5
30-Jul-21	29.99	15.1
2-Aug-21	30.12	16.6
3-Aug-21	30.10	14.3
4-Aug-21	30.05	16.5
5-Aug-21	30.08	15.7
6-Aug-21	30.01	18.7
9-Aug-21	29.96	17.2
10-Aug-21	29.98	16.9
11-Aug-21	30.03	16.0
12-Aug-21	30.04	17.3
13-Aug-21	30.11	16.7
16-Aug-21	29.87	16.4
17-Aug-21	29.84	16.2
18-Aug-21	29.89	16.9

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
19-Aug-21	29.97	16.8
20-Aug-21	29.89	16.7
23-Aug-21	29.91	15.6
24-Aug-21	29.98	15.8
25-Aug-21	30.05	15.2
26-Aug-21	30.00	17.1
27-Aug-21	29.82	20.3
30-Aug-21	29.82	16.7
31-Aug-21	29.80	16.3
1-Sep-21	29.88	16.1
2-Sep-21	30.00	15.0
3-Sep-21	30.01	14.7
7-Sep-21	30.01	16.5
8-Sep-21	29.92	18.3
9-Sep-21	29.91	15.7
10-Sep-21	30.04	15.4
13-Sep-21	29.93	16.8
14-Sep-21	29.94	15.4
15-Sep-21	29.96	14.7
16-Sep-21	29.92	14.5
17-Sep-21	30.01	15.2
20-Sep-21	30.03	19.8
21-Sep-21	30.10	22.0
22-Sep-21	30.13	16.4
23-Sep-21	29.98	16.5
24-Sep-21	29.97	15.4
27-Sep-21	30.11	16.6
28-Sep-21	30.09	16.9
29-Sep-21	30.06	16.4
30-Sep-21	30.05	18.5
1-Oct-21	30.02	19.4
4-Oct-21	29.95	18.2
5-Oct-21	30.01	14.3
6-Oct-21	30.06	14.4
7-Oct-21	30.05	13.8
8-Oct-21	30.15	13.9
11-Oct-21	30.04	15.6
12-Oct-21	30.09	15.8

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
13-Oct-21	30.07	13.0
14-Oct-21	30.14	14.5
15-Oct-21	30.17	17.4
18-Oct-21	30.08	12.8
19-Oct-21	30.05	13.6
20-Oct-21	30.11	15.1
21-Oct-21	30.12	17.6
22-Oct-21	30.06	15.3
25-Oct-21	29.88	14.6
26-Oct-21	30.24	15.1
27-Oct-21	30.34	16.5
28-Oct-21	30.18	17.5
29-Oct-21	30.04	15.3
1-Nov-21	30.01	15.6
2-Nov-21	30.12	14.8
3-Nov-21	30.06	15.2
4-Nov-21	30.06	15.5
5-Nov-21	30.02	12.6
8-Nov-21	29.98	11.3
9-Nov-21	30.07	13.1
10-Nov-21	30.23	13.9
11-Nov-21	30.18	15.0
12-Nov-21	30.15	15.2
15-Nov-21	30.05	12.3
16-Nov-21	30.01	13.0
17-Nov-21	29.99	12.9
18-Nov-21	30.03	11.8
19-Nov-21	30.07	12.9
20-Nov-21	30.12	12.8
22-Nov-21	30.06	13.3
23-Nov-21	30.00	12.4
24-Nov-21	30.13	12.9
29-Nov-21	30.21	14.6
30-Nov-21	30.17	14.0
1-Dec-21	30.15	15.7
2-Dec-21	30.16	14.1
3-Dec-21	30.19	11.5
4-Dec-21	30.28	12.0

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
6-Dec-21	30.17	10.5
7-Dec-21	30.06	12.5
8-Dec-21	30.08	12.1
9-Dec-21	30.05	11.5
10-Dec-21	30.26	10.3
11-Dec-21	30.24	9.7
11-Jan-22	30.41	11.1
12-Jan-22	30.32	11.7
13-Jan-22	30.31	12.0
14-Jan-22	30.25	11.8
17-Jan-22	30.12	11.8
18-Jan-22	30.20	10.6
19-Jan-22	30.30	10.1
20-Jan-22	30.36	10.2
21-Jan-22	30.23	14.1
24-Jan-22	30.22	10.9
25-Jan-22	30.12	9.9
26-Jan-22	30.20	10.2
27-Jan-22	30.28	12.0
28-Jan-22	30.33	11.8
31-Jan-22	30.22	11.3
1-Feb-22	30.12	12.2
2-Feb-22	30.22	13.4
3-Feb-22	30.30	11.3
4-Feb-22	30.45	11.6
7-Feb-22	30.37	12.2
8-Feb-22	30.32	13.0
9-Feb-22	30.25	15.2
10-Feb-22	30.20	16.8
11-Feb-22	30.14	14.3
14-Feb-22	30.17	10.8
15-Feb-22	30.04	11.8
16-Feb-22	30.12	15.1
17-Feb-22	30.33	14.7
18-Feb-22	30.30	13.2
21-Feb-22	30.06	9.4
22-Feb-22	30.01	8.2
23-Feb-22	30.19	8.3

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
24-Feb-22	30.35	8.7
25-Feb-22	30.34	9.4
28-Feb-22	30.34	13.4
1-Mar-22	30.26	13.1
2-Mar-22	30.14	12.2
3-Mar-22	29.97	11.4
4-Mar-22	30.04	10.8
7-Mar-22	30.37	12.9
8-Mar-22	30.21	13.7
9-Mar-22	30.07	12.3
10-Mar-22	30.17	13.2
11-Mar-22	30.35	13.0
14-Mar-22	30.33	12.8
15-Mar-22	30.32	13.5
16-Mar-22	30.28	12.0
17-Mar-22	30.23	11.3
18-Mar-22	30.17	11.9
21-Mar-22	30.28	13.7
22-Mar-22	30.19	17.4
23-Mar-22	30.22	10.9
24-Mar-22	30.15	11.0
25-Mar-22	30.12	10.5
28-Mar-22	29.81	12.8
29-Mar-22	30.09	11.6
30-Mar-22	30.18	11.4
31-Mar-22	30.03	11.7
1-Apr-22	30.01	12.1
4-Apr-22	30.10	13.2
5-Apr-22	30.15	14.0
6-Apr-22	30.09	18.0
7-Apr-22	30.07	20.4
8-Apr-22	30.03	15.9
11-Apr-22	29.96	10.4
12-Apr-22	30.20	10.0
13-Apr-22	30.22	10.9
14-Apr-22	30.04	12.3
15-Apr-22	30.01	11.2
18-Apr-22	30.06	12.9

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
19-Apr-22	30.01	13.4
20-Apr-22	29.95	14.3
21-Apr-22	29.91	13.8
22-Apr-22	30.09	12.6
25-Apr-22	30.04	13.3
26-Apr-22	29.99	12.9
27-Apr-22	30.00	11.8
28-Apr-22	30.07	11.9
29-Apr-22	30.10	13.8
30-Apr-22	30.01	13.1
2-May-22	30.01	12.8
3-May-22	29.96	15.9
4-May-22	29.95	13.4
5-May-22	30.05	13.2
6-May-22	30.07	15.1
9-May-22	30.06	11.1
10-May-22	30.17	10.9
11-May-22	30.24	12.0
12-May-22	30.30	12.5
13-May-22	30.19	15.0
16-May-22	30.04	13.2
17-May-22	30.03	13.2
18-May-22	30.03	16.6
19-May-22	29.92	16.2
20-May-22	29.81	15.3
23-May-22	29.94	14.7
24-May-22	29.82	19.8
25-May-22	29.80	16.8
26-May-22	29.90	14.8
27-May-22	30.02	14.0
30-May-22	29.93	14.4
31-May-22	29.92	14.8
01-Jun-22	29.91	14.1
02-Jun-22	29.88	12.8
03-Jun-22	29.90	14.8
06-Jun-22	29.96	15.3
07-Jun-22	29.95	14.0
08-Jun-22	29.93	14.8

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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
09-Jun-22	29.88	20.5
10-Jun-22	29.92	21.2
13-Jun-22	29.99	16.7
14-Jun-22	29.96	17.2
15-Jun-22	29.90	14.9
16-Jun-22	29.87	14.4
17-Jun-22	29.91	14.5
20-Jun-22	29.98	18.3
21-Jun-22	29.85	25.6
22-Jun-22	29.88	19.2
23-Jun-22	29.87	16.3
24-Jun-22	29.86	15.6
27-Jun-22	30.05	14.4
28-Jun-22	30.04	15.3
29-Jun-22	30.03	13.7
30-Jun-22	30.04	13.0
01-Jul-22	30.01	13.1
05-Jul-22	29.95	18.9
06-Jul-22	29.98	17.8
07-Jul-22	30.01	15.7
11-Jul-22	29.89	16.5
12-Jul-22	29.89	16.7
13-Jul-22	29.95	16.4
14-Jul-22	29.96	15.3
18-Jul-22	29.94	15.9
19-Jul-22	30.01	13.8
20-Jul-22	30.05	13.3
21-Jul-22	30.01	13.2
25-Jul-22	29.91	14.8
26-Jul-22	29.95	15.9
27-Jul-22	29.99	15.0
28-Jul-22	29.93	14.4
1-Aug-22	29.99	17.4
2-Aug-22	29.99	17.4
3-Aug-22	29.93	16.1
4-Aug-22	29.88	17.5
8-Aug-22	29.99	18.1
9-Aug-22	29.99	18.6



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

<b>Date</b>	<b>Ambient Pressure (in Hg)</b>	<b>Ambient Temperature (°C)</b>
10-Aug-22	30.05	19.3
11-Aug-22	30.04	17.9
15-Aug-22	29.85	17.6
16-Aug-22	29.78	18.7
17-Aug-22	29.87	16.5
18-Aug-22	29.93	15.5
22-Aug-22	30.00	16.9
23-Aug-22	29.84	16.5
24-Aug-22	29.83	15.7
25-Aug-22	29.95	16.9
29-Aug-22	29.90	17.1
30-Aug-22	29.98	17.2
31-Aug-22	29.96	16.9
1-Sep-22	29.85	16.5

## **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](http://www.wunderground.com)).

Ambient pressure and ambient temperature data were gathered from the Ambient Weather website ([www.ambientweather.net](http://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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
20-Nov-19	Upwind	9.82	0.076	No	0.096	No	<0.016	No	0.050	No
20-Nov-19	Downwind	9.92	0.072	No	0.130	No	<0.016	No	0.022	No
21-Nov-19	Upwind	7.47	0.071	No	0.148	No	<0.016	No	0.050	No
21-Nov-19	Downwind	7.50	0.041	No	0.164	No	<0.016	No	<0.016	No
22-Nov-19	Upwind	8.80	0.060	No	0.122	No	0.023	No	0.203	No
22-Nov-19	Downwind	8.75	0.045	No	0.142	No	<0.016	No	<0.016	No
25-Nov-19	Upwind	8.87	0.052	No	0.116	No	<0.016	No	0.051	No
25-Nov-19	Downwind	8.72	0.043	No	0.127	No	<0.016	No	<0.016	No
26-Nov-19	Upwind	7.35	0.038	No	0.145	No	<0.016	No	<0.016	No
26-Nov-19	Downwind	7.48	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	4.25	0.080	No	0.074	No	0.191	No	0.144	No
9-Dec-19	Downwind	4.08	0.105	No	<0.016	No	0.190	No	<0.016	No
10-Dec-19	Upwind	9.42	0.077	No	<0.016	No	0.056	No	0.099	No
10-Dec-19	Downwind	9.43	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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	7.55	0.028	No	0.095	No	0.069	No	0.294	No
23-Dec-19	Downwind	7.50	0.013	No	0.083	No	0.050	No	0.063	No
24-Dec-19	Upwind	6.80	0.016	No	0.082	No	0.082	No	0.087	No
24-Dec-19	Downwind	6.90	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	7.43	0.009	No	0.118	No	0.078	No	0.053	No
26-Dec-19	Downwind	7.45	<0.016	No	0.1	No	0.047	No	0.042	No
27-Dec-19	Upwind	7.52	0.019	No	0.049	No	0.036	No	0.054	No
27-Dec-19	Downwind	7.67	0.011	No	0.119	No	0.065	No	0.046	No
30-Dec-19	Upwind	7.32	<0.016	No	0.076	No	0.089	No	0.055	No
30-Dec-19	Downwind	7.35	0.007	No	0.1	No	0.065	No	0.046	No
31-Dec-19	Upwind	7.07	0.010	No	0.128	No	0.080	No	0.130	No
31-Dec-19	Downwind	7.13	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	7.62	0.039	No	<0.016	No	<0.016	No	0.040	No
3-Jan-20	Downwind	7.62	0.024	No	0.050	No	0.044	No	0.054	No
6-Jan-20	Upwind	7.65	0.022	No	<0.016	No	<0.016	No	0.030	No
6-Jan-20	Downwind	7.60	0.017	No	<0.016	No	<0.016	No	0.017	No
7-Jan-20	Upwind	7.90	0.019	No	<0.016	No	<0.016	No	0.015	No
7-Jan-20	Downwind	8.00	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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	7.17	0.029	No	<0.016	No	<0.016	No	0.0203	No
11-Feb-20	Downwind	7.22	0.042	No	<0.016	No	<0.016	No	<0.016	No
12-Feb-20	Upwind	5.48	0.023	No	<0.016	No	0.0396	No	<0.016	No
12-Feb-20	Downwind	5.63	0.032	No	<0.016	No	<0.016	No	<0.016	No
13-Feb-20	Upwind	5.25	0.018	No	<0.016	No	<0.016	No	<0.016	No
13-Feb-20	Downwind	5.10	0.015	No	<0.016	No	<0.016	No	<0.016	No
14-Feb-20	Upwind	7.77	0.010	No	<0.016	No	<0.016	No	<0.016	No
14-Feb-20	Downwind	7.70	0.008	No	<0.016	No	<0.016	No	<0.016	No
17-Feb-20	Upwind	7.67	0.013	No	<0.016	No	<0.016	No	0.1849	No
17-Feb-20	Downwind	7.65	0.007	No	<0.016	No	0.0284	No	<0.016	No
18-Feb-20	Upwind	6.97	0.008	No	<0.016	No	<0.016	No	<0.016	No
18-Feb-20	Downwind	7.10	0.012	No	<0.016	No	<0.016	No	<0.016	No
19-Feb-20	Upwind	3.82	0.018	No	<0.016	No	0.0560	No	<0.016	No
19-Feb-20	Downwind	3.85	<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
21-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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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
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	9.50	0.0090	No	<0.016	No	<0.016	No	<0.016	No
29-Apr-20	Downwind	9.40	0.0394	No	<0.016	No	<0.016	No	0.0363	No
30-Apr-20	Upwind	9.48	0.0188	No	<0.016	No	0.0240	No	0.0150	No
30-Apr-20	Downwind	9.63	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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	9.58	0.0223	No	<0.016	No	<0.016	No	0.0136	No
4-May-20	Downwind	9.55	0.0049	No	<0.016	No	<0.016	No	0.0410	No
5-May-20	Upwind	9.48	0.0428	No	<0.016	No	<0.016	No	0.0225	No
5-May-20	Downwind	9.43	0.0568	No	<0.016	No	0.0226	No	0.0351	No
6-May-20	Upwind	9.57	0.0226	No	<0.016	No	0.0215	No	0.0141	No
6-May-20	Downwind	9.52	0.0507	No	<0.016	No	0.0247	No	0.0322	No
7-May-20	Upwind	9.43	0.0543	No	<0.016	No	0.0429	No	0.0334	No
7-May-20	Downwind	9.47	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	9.70	0.0356	No	<0.016	No	<0.016	No	0.0344	No
11-May-20	Downwind	9.57	0.0315	No	<0.016	No	0.0	No	0.0238	No
12-May-20	Upwind	9.57	0.0181	No	<0.016	No	<0.016	No	0.0135	No
12-May-20	Downwind	9.55	0.0239	No	<0.016	No	<0.016	No	0.0159	No
13-May-20	Upwind	9.62	0.0179	No	<0.016	No	<0.016	No	0.0187	No
13-May-20	Downwind	9.53	0.0131	No	<0.016	No	<0.016	No	<0.016	No
14-May-20	Upwind	9.48	0.0123	No	<0.016	No	<0.016	No	0.0144	No
14-May-20	Downwind	9.50	0.0101	No	<0.016	No	<0.016	No	0.0144	No
15-May-20	Upwind	9.42	0.0289	No	<0.016	No	<0.016	No	0.0146	No
15-May-20	Downwind	9.42	0.0206	No	<0.016	No	<0.016	No	0.0129	No
18-May-20	Upwind	9.70	0.0146	No	<0.016	No	<0.016	No	0.0093	No
18-May-20	Downwind	9.65	0.0220	No	<0.016	No	0.020	No	0.0258	No
19-May-20	Upwind	9.60	0.0342	No	<0.016	No	0.022	No	0.0176	No
19-May-20	Downwind	9.57	0.0137	No	<0.016	No	0.022	No	0.0153	No
20-May-20	Upwind	9.57	0.0266	No	<0.016	No	<0.016	No	0.0136	No
20-May-20	Downwind	9.53	0.0221	No	<0.016	No	<0.016	No	0.0139	No
21-May-20	Upwind	9.63	0.0393	No	<0.016	No	<0.016	No	0.0217	No
21-May-20	Downwind	9.68	0.0266	No	<0.016	No	0.019	No	0.0153	No
22-May-20	Upwind	9.48	0.0216	No	<0.016	No	0.019	No	0.0128	No
22-May-20	Downwind	9.52	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	9.70	0.0485	No	<0.027	No	0.019	No	<0.0091	No
26-May-20	Downwind	9.57	0.0332	No	<0.028	No	<0.018	No	<0.0092	No
27-May-20	Upwind	9.57	0.0478	No	<0.028	No	<0.018	No	<0.0092	No
27-May-20	Downwind	9.55	0.0427	No	<0.028	No	<0.018	No	<0.0092	No
28-May-20	Upwind	9.62	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
28-May-20	Downwind	9.53	0.0265	No	<0.028	No	<0.019	No	<0.0093	No
29-May-20	Upwind	9.48	0.0341	No	<0.028	No	<0.019	No	0.0105	No
29-May-20	Downwind	9.50	0.0158	No	<0.028	No	<0.019	No	<0.0093	No
30-May-20	Upwind	7.53	0.0340	No	<0.035	No	<0.023	No	<0.0117	No
30-May-20	Downwind	7.40	0.0280	No	<0.036	No	<0.024	No	<0.0119	No
1-Jun-20	Upwind	7.60	0.0532	No	<0.035	No	<0.023	No	<0.0116	No
1-Jun-20	Downwind	7.63	0.0407	No	<0.035	No	<0.023	No	<0.0116	No
2-Jun-20	Upwind	7.63	0.0991	No	<0.035	No	<0.023	No	<0.0208	No
2-Jun-20	Downwind	7.57	0.0564	No	<0.035	No	<0.023	No	<0.0117	No
3-Jun-20	Upwind	8.58	0.0917	No	<0.031	No	<0.021	No	0.0202	No
3-Jun-20	Downwind	7.58	0.0924	No	<0.035	No	<0.023	No	<0.026	No
4-Jun-20	Upwind	7.48	0.1180	No	<0.035	No	<0.029	No	0.0440	No
4-Jun-20	Downwind	7.55	0.0364	No	<0.035	No	<0.023	No	0.0117	No
5-Jun-20	Upwind	9.78	0.0302	No	<0.027	No	0.029	No	0.0090	No
5-Jun-20	Downwind	9.73	0.0255	No	<0.027	No	<0.018	No	<0.0091	No
8-Jun-20	Upwind	9.73	0.0443	No	<0.027	No	<0.018	No	<0.0091	No
8-Jun-20	Downwind	9.77	0.0295	No	<0.027	No	<0.018	No	<0.0090	No
9-Jun-20	Upwind	9.72	0.0478	No	<0.027	No	<0.018	No	<0.0091	No
9-Jun-20	Downwind	9.78	0.0335	No	<0.027	No	<0.018	No	<0.0090	No
10-Jun-20	Upwind	9.75	0.0438	No	<0.027	No	<0.018	No	<0.0091	No
10-Jun-20	Downwind	9.80	0.0323	No	<0.027	No	<0.018	No	<0.0091	No
11-Jun-20	Upwind	9.63	0.0328	No	<0.027	No	<0.018	No	<0.0092	No
11-Jun-20	Downwind	9.75	0.0201	No	<0.027	No	<0.018	No	<0.0091	No
12-Jun-20	Upwind	9.50	0.0370	No	<0.028	No	<0.019	No	<0.0138	No
12-Jun-20	Downwind	9.58	0.0154	No	<0.028	No	<0.018	No	<0.0092	No
13-Jun-20	Upwind	9.68	0.0561	No	<0.027	No	<0.018	No	<0.0428	No
13-Jun-20	Downwind	9.67	0.0451	No	<0.027	No	<0.018	No	<0.0431	No
15-Jun-20	Upwind	9.78	0.0436	No	<0.027	No	<0.018	No	0.0208	No
15-Jun-20	Downwind	9.78	0.0325	No	<0.027	No	<0.018	No	0.0174	No
17-Jun-20	Upwind	9.62	0.0580	No	<0.028	No	<0.018	No	0.0370	No
17-Jun-20	Downwind	9.65	0.0331	No	<0.027	No	<0.018	No	0.0232	No
18-Jun-20	Upwind	9.65	0.0753	No	<0.027	No	<0.018	No	0.0418	No
18-Jun-20	Downwind	9.65	0.0625	No	<0.027	No	<0.018	No	0.0343	No
19-Jun-20	Upwind	9.75	0.0531	No	<0.027	No	<0.018	No	0.0275	No
19-Jun-20	Downwind	9.75	0.0380	No	<0.027	No	<0.018	No	0.0237	No
20-Jun-20	Upwind	9.78	0.0421	No	<0.027	No	<0.018	No	0.0406	No
20-Jun-20	Downwind	9.75	0.0171	No	<0.027	No	<0.018	No	0.0107	No
22-Jun-20	Upwind	9.58	0.0468	No	<0.028	No	<0.018	No	0.0359	No
22-Jun-20	Downwind	9.65	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
23-Jun-20	Upwind	9.68	0.0375	No	<0.027	No	<0.018	No	0.0281	No
23-Jun-20	Downwind	9.68	0.0273	No	<0.027	No	<0.018	No	0.0216	No
24-Jun-20	Upwind	9.70	0.0344	No	<0.027	No	<0.018	No	0.0206	No
24-Jun-20	Downwind	9.67	0.0297	No	<0.027	No	<0.018	No	0.0228	No
25-Jun-20	Upwind	9.72	0.0354	No	<0.027	No	<0.018	No	0.0251	No
25-Jun-20	Downwind	9.73	0.0201	No	<0.027	No	<0.018	No	0.0126	No
26-Jun-20	Upwind	9.60	0.0305	No	<0.027	No	<0.018	No	0.0108	No
26-Jun-20	Downwind	9.72	0.0229	No	<0.027	No	<0.018	No	0.0130	No
27-Jun-20	Upwind	9.73	0.0741	No	<0.027	No	0.028	No	0.0620	No
27-Jun-20	Downwind	9.52	0.0352	No	<0.027	No	<0.018	No	0.0162	No
29-Jun-20	Upwind	9.52	0.0615	No	<0.028	No	0.0112	No	0.0204	No
29-Jun-20	Downwind	9.62	0.0491	No	<0.028	No	0.0135	No	0.0167	No
30-Jun-20	Upwind	9.08	0.0622	No	<0.029	No	0.0147	No	0.0275	No
30-Jun-20	Downwind	9.05	0.0449	No	<0.029	No	0.0159	No	0.0163	No
1-Jul-20	Upwind	9.25	0.0665	No	<0.029	No	0.0173	No	0.0385	No
1-Jul-20	Downwind	9.25	0.0353	No	<0.029	No	0.0073	No	0.0152	No
2-Jul-20	Upwind	9.58	0.0279	No	<0.028	No	0.0183	No	0.0167	No
2-Jul-20	Downwind	9.33	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	9.08	0.1110	No	0.02330	No	0.0190	No	<0.038	No
6-Jul-20	Downwind	9.08	0.0630	No	<0.029	No	0.0078	No	<0.010	No
7-Jul-20	Upwind	9.67	0.0460	No	<0.027	No	0.0088	No	<0.009	No
7-Jul-20	Downwind	9.65	0.0287	No	<0.027	No	0.0092	No	<0.009	No
8-Jul-20	Upwind	9.83	0.0690	No	<0.027	No	0.0130	No	<0.009	No
8-Jul-20	Downwind	9.48	0.0329	No	<0.028	No	0.0112	No	<0.009	No
9-Jul-20	Upwind	9.42	0.0462	No	<0.028	No	<0.019	No	<0.009	No
9-Jul-20	Downwind	9.42	0.0366	No	0.01090	No	<0.019	No	<0.009	No
10-Jul-20	Upwind	9.25	0.0302	No	<0.029	No	0.0069	No	<0.010	No
10-Jul-20	Downwind	9.15	0.0566	No	<0.029	No	0.0107	No	<0.010	No
13-Jul-20	Upwind	8.50	0.1370	No	<0.031	No	0.0312	No	0.1264	No
13-Jul-20	Downwind	8.42	0.0434	No	<0.031	No	0.0210	No	0.0107	No
14-Jul-20	Upwind	9.08	0.0612	No	<0.029	No	0.0092	No	0.0470	No
14-Jul-20	Downwind	8.83	0.0351	No	<0.030	No	0.0200	No	0.0090	No
15-Jul-20	Upwind	9.33	0.0497	No	<0.028	No	0.0050	No	0.0177	No
15-Jul-20	Downwind	8.83	0.0385	No	<0.030	No	0.0200	No	0.0157	No
16-Jul-20	Upwind	9.08	0.0486	No	<0.029	No	0.0194	No	0.0224	No
16-Jul-20	Downwind	8.92	0.0458	No	<0.030	No	0.0198	No	0.0262	No
17-Jul-20	Upwind	9.58	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
17-Jul-20	Downwind	9.25	0.0280	No	0.02386	No	0.0191	No	0.0235	No
20-Jul-20	Upwind	9.33	Note 4	NA	0.01086	No	0.0200	No	0.0218	No
20-Jul-20	Downwind	8.92	Note 4	NA	<0.03	No	0.0185	No	0.0178	No
21-Jul-20	Upwind	9.47	Note 4	NA	<0.028	No	0.0076	No	0.0143	No
21-Jul-20	Downwind	9.08	Note 4	NA	<0.029	No	0.0277	No	0.0321	No
22-Jul-20	Upwind	8.55	Note 4	NA	<0.031	No	0.0294	No	0.0795	No
22-Jul-20	Downwind	9.08	Note 4	NA	<0.029	No	0.0309	No	0.0159	No
23-Jul-20	Upwind	9.67	Note 4	NA	0.01198	No	0.0266	No	0.0233	No
23-Jul-20	Downwind	9.67	Note 4	NA	<0.028	No	0.0125	No	0.0225	No
24-Jul-20	Upwind	9.77	Note 4	NA	<0.027	No	0.0217	No	0.0904	No
24-Jul-20	Downwind	9.32	Note 4	NA	<0.028	No	0.0166	No	0.0268	No
27-Jul-20	Upwind	9.75	0.0361	No	0.01000	No	0.0145	No	0.0172	No
27-Jul-20	Downwind	9.35	0.0398	No	0.01500	No	0.0201	No	0.0315	No
28-Jul-20	Upwind	9.72	0.0447	No	<0.027	No	0.0236	No	0.0274	No
28-Jul-20	Downwind	9.42	0.0250	No	0.03300	No	0.0206	No	0.0155	No
29-Jul-20	Upwind	9.73	0.0313	No	0.01500	No	0.0116	No	0.0180	No
29-Jul-20	Downwind	9.43	0.0276	No	<0.028	No	0.0201	No	0.0176	No
30-Jul-20	Upwind	9.75	0.0314	No	<0.027	No	0.0196	No	0.0147	No
30-Jul-20	Downwind	9.42	0.0212	No	0.01052	No	0.0167	No	0.0142	No
31-Jul-20	Upwind	9.65	0.0364	No	<0.027	No	0.0159	No	0.0136	No
31-Jul-20	Downwind	9.30	0.0215	No	0.02626	No	0.0226	No	0.0127	No
3-Aug-20	Upwind	9.67	0.0569	No	<0.027	No	0.0242	No	0.0280	No
3-Aug-20	Downwind	9.33	0.0883	No	<0.028	No	0.0463	No	0.0599	No
4-Aug-20	Upwind	9.53	0.0503	No	<0.028	No	0.0358	No	0.0278	No
4-Aug-20	Downwind	9.22	0.0458	No	<0.029	No	0.0359	No	0.0195	No
5-Aug-20	Upwind	9.65	0.0741	No	<0.027	No	0.0346	No	0.0357	No
5-Aug-20	Downwind	9.25	0.0391	No	<0.029	No	0.0299	No	0.0208	No
6-Aug-20	Upwind	9.65	0.0499	No	<0.027	No	0.0310	No	0.0235	No
6-Aug-20	Downwind	9.32	0.0452	No	<0.028	No	0.0388	No	0.0223	No
7-Aug-20	Upwind	9.58	0.0669	No	<0.028	No	0.0349	No	0.0192	No
7-Aug-20	Downwind	9.25	0.0756	No	<0.029	No	0.0270	No	0.0239	No
10-Aug-20	Upwind	8.77	0.0539	No	0.01631	No	0.0352	No	0.0537	No
10-Aug-20	Downwind	8.45	0.0568	No	0.01513	No	0.0312	No	0.0573	No
11-Aug-20	Upwind	9.75	0.0395	No	0.00994	No	0.0346	No	0.0578	No
11-Aug-20	Downwind	9.40	0.0224	No	<0.028	No	0.0374	No	0.0244	No
12-Aug-20	Upwind	9.75	0.0373	No	0.03365	No	0.0235	No	0.0231	No
12-Aug-20	Downwind	9.42	0.0347	No	<0.028	No	0.0287	No	0.0320	No
13-Aug-20	Upwind	9.78	0.0598	No	<0.027	No	0.0373	No	0.0341	No
13-Aug-20	Downwind	9.45	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
14-Aug-20	Upwind	9.75	0.0708	No	0.01277	No	0.0534	No	0.0521	No
14-Aug-20	Downwind	9.42	0.0519	No	0.01341	No	0.0391	No	0.0361	No
17-Aug-20	Upwind	4.93	0.0731	No	<0.054	No	0.0240	No	0.0811	No
17-Aug-20	Downwind	4.68	0.0371	No	<0.057	No	0.0327	No	0.0619	No
18-Aug-20	Upwind	8.17	0.0663	No	<0.032	No	0.0184	No	0.0764	No
18-Aug-20	Downwind	7.83	0.0748	No	<0.034	No	0.0301	No	0.0789	No
19-Aug-20	Upwind	10.67	0.0899	No	<0.025	No	0.0225	No	0.1014	No
19-Aug-20	Downwind	10.33	0.1090	No	<0.026	No	0.0236	No	0.1175	No
20-Aug-20	Upwind	10.67	0.0447	No	<0.025	No	<0.017	No	0.0510	No
20-Aug-20	Downwind	10.33	0.0382	No	<0.026	No	0.0066	No	0.0439	No
21-Aug-20	Upwind	10.68	0.0430	No	<0.025	No	0.0083	No	0.0322	No
21-Aug-20	Downwind	10.38	0.0608	No	<0.026	No	0.0063	No	0.0427	No
24-Aug-20	Upwind	7.42	0.1020	No	0.02400	No	<0.024	No	0.0637	No
24-Aug-20	Downwind	7.47	0.0918	No	0.01659	No	0.0187	No	0.0719	No
25-Aug-20	Upwind	7.62	0.0846	No	<0.035	No	0.0069	No	0.0541	No
25-Aug-20	Downwind	8.28	0.0744	No	<0.032	No	0.0122	No	0.0519	No
26-Aug-20	Upwind	9.65	0.0438	No	<0.027	No	0.0160	No	0.0560	No
26-Aug-20	Downwind	9.35	0.0307	No	<0.028	No	0.0073	No	0.1356	No
27-Aug-20	Upwind	7.60	0.0710	No	0.02188	No	0.0124	No	0.0689	No
27-Aug-20	Downwind	7.18	0.0374	No	<0.037	No	<0.026	No	0.0424	No
28-Aug-20	Upwind	9.78	0.0917	No	<0.027	No	0.0125	No	0.0352	No
28-Aug-20	Downwind	9.40	0.1080	No	<0.028	No	0.0142	No	0.0590	No
31-Aug-20	Upwind	8.78	0.0670	No	<0.030	No	<0.020	No	0.0245	No
31-Aug-20	Downwind	8.43	0.0790	No	<0.031	No	<0.021	No	0.0382	No
1-Sep-20	Upwind	7.85	0.0804	No	0.0127	No	<0.023	No	0.0380	No
1-Sep-20	Downwind	8.40	0.0673	No	<0.0315	No	<0.021	No	0.0407	No
2-Sep-20	Upwind	8.83	0.0528	No	<0.03	No	<0.019	No	0.0287	No
2-Sep-20	Downwind	8.45	0.0782	No	<0.031	No	<0.021	No	0.0334	No
3-Sep-20	Upwind	8.43	0.0485	No	<0.031	No	<0.021	No	0.0263	No
3-Sep-20	Downwind	8.00	0.0398	No	<0.033	No	<0.022	No	0.0298	No
4-Sep-20	Upwind	10.07	0.0463	No	0.01608	No	<0.018	No	0.0263	No
4-Sep-20	Downwind	9.82	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	9.78	0.1370	No	<0.027	No	0.0056	No	0.3248	No
8-Sep-20	Downwind	9.48	0.1690	No	<0.028	No	0.0239	No	0.5864	No
9-Sep-20	Upwind	5.42	0.1670	No	<0.049	No	<0.033	No	1.0838	No
9-Sep-20	Downwind	5.08	0.1950	No	<0.052	No	<0.035	No	1.0651	No
10-Sep-20	Upwind	7.55	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
10-Sep-20	Downwind	7.20	0.2130	No	<0.037	No	<0.025	No	0.4823	No
11-Sep-20	Upwind	8.17	0.2230	No	<0.032	No	<0.022	No	0.2054	No
11-Sep-20	Downwind	7.83	0.2540	No	<0.034	No	<0.023	No	0.2066	No
14-Sep-20	Upwind	7.08	0.1830	No	<0.037	No	0.0126	No	0.1464	No
14-Sep-20	Downwind	7.08	0.1500	No	<0.0373	No	<0.025	No	0.0305	No
15-Sep-20	Upwind	6.75	0.0571	No	<0.039	No	<0.026	No	<0.013	No
15-Sep-20	Downwind	7.00	0.0490	No	<0.038	No	0.0102	No	<0.013	No
16-Sep-20	Upwind	7.50	0.0198	No	<0.035	No	<0.024	No	<0.012	No
16-Sep-20	Downwind	7.50	0.0506	No	<0.035	No	<0.024	No	0.0073	No
17-Sep-20	Upwind	7.38	0.0498	No	0.02052	No	<0.024	No	0.0261	No
17-Sep-20	Downwind	7.08	0.0579	No	<0.037	No	<0.025	No	0.0081	No
18-Sep-20	Upwind	9.70	0.0406	No	0.01320	No	<0.018	No	0.0094	No
18-Sep-20	Downwind	9.40	0.0311	No	<0.028	No	<0.019	No	<0.009	No
21-Sep-20	Upwind	9.72	0.0589	No	<0.027	No	<0.018	No	0.0339	No
21-Sep-20	Downwind	9.27	0.0454	No	<0.029	No	<0.019	No	0.0368	No
22-Sep-20	Upwind	9.58	0.0296	No	<0.027	No	<0.018	No	0.0413	No
22-Sep-20	Downwind	9.20	0.0486	No	<0.029	No	0.0095	No	0.0509	No
23-Sep-20	Upwind	9.68	0.0319	No	<0.027	No	0.0053	No	0.0201	No
23-Sep-20	Downwind	9.37	0.0394	No	<0.028	No	0.0075	No	0.0317	No
24-Sep-20	Upwind	9.38	0.1040	No	<0.028	No	0.0105	No	0.0624	No
24-Sep-20	Downwind	9.08	0.0912	No	<0.029	No	0.0130	No	0.0405	No
25-Sep-20	Upwind	9.62	0.0468	No	0.01000	No	0.0071	No	0.0118	No
25-Sep-20	Downwind	9.32	0.0722	No	<0.028	No	<0.019	No	0.0504	No
28-Sep-20	Upwind	7.63	0.1280	No	0.01276	No	<0.023	No	0.3797	No
28-Sep-20	Downwind	7.58	0.1190	No	<0.035	No	0.0174	No	0.3958	No
29-Sep-20	Upwind	7.58	0.0526	No	<0.035	No	0.0244	No	0.0549	No
29-Sep-20	Downwind	7.20	0.0452	No	<0.037	No	0.0169	No	0.0640	No
30-Sep-20	Upwind	7.68	0.0496	No	<0.034	No	0.0135	No	0.0507	No
30-Sep-20	Downwind	7.37	0.0389	No	<0.036	No	0.0121	No	0.0389	No
1-Oct-20	Upwind	7.38	0.0971	No	<0.036	No	0.0158	No	0.1108	No
1-Oct-20	Downwind	7.08	0.0812	No	0.01460	No	0.0116	No	0.0773	No
2-Oct-20	Upwind	7.45	0.1120	No	<0.036	No	0.0101	No	0.0806	No
2-Oct-20	Downwind	7.48	0.1040	No	<0.035	No	0.0109	No	0.0824	No
5-Oct-20	Upwind	7.50	0.0618	No	<0.035	No	0.0131	No	0.0541	No
5-Oct-20	Downwind	7.33	0.0453	No	<0.036	No	0.0102	No	0.0363	No
6-Oct-20	Upwind	7.38	0.0418	No	<0.036	No	0.0079	No	0.0283	No
6-Oct-20	Downwind	7.25	0.0469	No	<0.037	No	0.0085	No	0.0414	No
7-Oct-20	Upwind	6.98	0.0611	No	<0.038	No	<0.025	No	0.0263	No
7-Oct-20	Downwind	6.52	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
8-Oct-20	Upwind	7.12	0.0467	No	0.02708	No	0.0116	No	0.0312	No
8-Oct-20	Downwind	7.03	0.0121	No	<0.038	No	0.0433	No	0.1123	No
9-Oct-20	Upwind	7.70	0.0143	No	0.02751	No	<0.023	No	0.0122	No
9-Oct-20	Downwind	7.50	0.0107	No	<0.035	No	0.0118	No	0.0101	No
12-Oct-20	Upwind	7.45	0.0357	No	<0.036	No	<0.024	No	0.0367	No
12-Oct-20	Downwind	7.48	0.0397	No	<0.035	No	<0.024	No	0.0387	No
13-Oct-20	Upwind	7.57	0.0659	No	<0.035	No	0.0202	No	0.0651	No
13-Oct-20	Downwind	7.57	0.0484	No	<0.035	No	0.0115	No	0.0381	No
14-Oct-20	Upwind	7.52	0.0667	No	<0.035	No	0.0112	No	0.0605	No
14-Oct-20	Downwind	7.50	0.0479	No	<0.035	No	0.0180	No	0.0508	No
15-Oct-20	Upwind	7.57	0.1200	No	<0.035	No	0.0191	No	0.1742	No
15-Oct-20	Downwind	7.57	0.3540	No	<0.035	No	0.0268	No	0.1857	No
16-Oct-20	Upwind	7.77	0.1250	No	<0.034	No	0.0350	No	0.2368	No
16-Oct-20	Downwind	7.52	0.0735	No	<0.035	No	0.0186	No	0.1417	No
19-Oct-20	Upwind	7.85	0.0484	No	<0.034	No	0.0068	No	0.0394	No
19-Oct-20	Downwind	7.55	0.0585	No	<0.035	No	0.0138	No	0.0587	No
20-Oct-20	Upwind	7.75	0.0588	No	<0.034	No	0.0080	No	0.0547	No
20-Oct-20	Downwind	7.42	0.0615	No	<0.036	No	0.0236	No	0.0508	No
21-Oct-20	Upwind	19.10	0.0596	No	<0.014	No	0.0083	No	0.0334	No
21-Oct-20	Downwind	19.07	0.0662	No	<0.014	No	0.0154	No	0.0532	No
22-Oct-20	Upwind	18.00	0.0591	No	<0.015	No	0.0047	No	0.0378	No
22-Oct-20	Downwind	17.98	0.0742	No	<0.015	No	0.0167	No	0.0612	No
23-Oct-20	Upwind	17.40	0.0712	No	<0.015	No	0.0107	No	0.0610	No
23-Oct-20	Downwind	17.38	0.0622	No	<0.015	No	0.0032	No	0.0479	No
24-Oct-20	Upwind	4.17	0.0968	No	<0.064	No	0.0182	No	0.0999	No
24-Oct-20	Downwind	5.17	0.0399	No	<0.051	No	<0.034	No	0.0367	No
26-Oct-20	Upwind	7.58	0.1690	No	<0.035	No	0.0237	No	0.3997	No
26-Oct-20	Downwind	7.25	0.1160	No	<0.037	No	0.0104	No	0.3937	No
27-Oct-20	Upwind	7.73	0.1010	No	<0.034	No	0.0176	No	0.1174	No
27-Oct-20	Downwind	7.33	0.0552	No	<0.036	No	<0.024	No	0.1136	No
28-Oct-20	Upwind	7.73	0.2390	No	<0.034	No	0.0356	No	0.3120	No
28-Oct-20	Downwind	7.42	0.1140	No	<0.036	No	0.0087	No	0.1502	No
29-Oct-20	Upwind	12.52	0.1280	No	<0.021	No	0.0121	No	0.1575	No
29-Oct-20	Downwind	12.32	0.0824	No	<0.022	No	0.0072	No	0.1374	No
30-Oct-20	Upwind	17.25	0.0520	No	<0.015	No	0.0090	No	0.0515	No
30-Oct-20	Downwind	17.18	0.0337	No	<0.015	No	0.0038	No	0.0480	No
31-Oct-20	Upwind	7.67	0.0681	No	<0.035	No	0.0246	No	0.1457	No
31-Oct-20	Downwind	7.67	0.0399	No	<0.035	No	<0.023	No	0.0652	No
2-Nov-20	Upwind	15.45	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
2-Nov-20	Downwind	15.43	0.0693	No	<0.017	No	0.0164	No	0.0736	No
3-Nov-20	Upwind	17.35	0.0253	No	0.00795	No	0.0046	No	0.0164	No
3-Nov-20	Downwind	17.38	0.0334	No	0.00843	No	0.0043	No	0.0333	No
4-Nov-20	Upwind	18.30	0.0488	No	0.00549	No	0.0133	No	0.0338	No
4-Nov-20	Downwind	18.25	0.0189	No	0.00895	No	0.0065	No	0.0132	No
5-Nov-20	Upwind	19.28	0.0391	No	<0.014	No	0.0106	No	0.0295	No
5-Nov-20	Downwind	19.27	0.0470	No	<0.014	No	0.0092	No	0.0490	No
6-Nov-20	Upwind	17.25	0.0755	No	<0.015	No	0.0147	No	0.0757	No
6-Nov-20	Downwind	20.17	0.0592	No	0.00656	No	0.0080	No	0.0487	No
7-Nov-20	Upwind	21.25	0.0327	No	<0.012	No	0.0026	No	0.0247	No
7-Nov-20	Downwind	21.25	0.0603	No	<0.012	No	0.0114	No	0.0691	No
9-Nov-20	Upwind	12.35	0.0263	No	<0.021	No	0.0079	No	0.0260	No
9-Nov-20	Downwind	12.33	0.0135	No	<0.022	No	<0.014	No	0.0200	No
10-Nov-20	Upwind	12.25	0.0369	No	<0.022	No	<0.014	No	0.0189	No
10-Nov-20	Downwind	12.20	0.0239	No	<1.302	No	<0.868	No	0.5955	No
11-Nov-20	Upwind	12.42	0.0472	No	<0.021	No	<0.014	No	0.0444	No
11-Nov-20	Downwind	12.37	0.0284	No	<0.021	No	<0.014	No	0.0149	No
12-Nov-20	Upwind	12.37	0.0365	No	<0.021	No	<0.014	No	0.0231	No
12-Nov-20	Downwind	12.33	0.0359	No	<0.022	No	<0.014	No	0.0204	No
13-Nov-20	Upwind	6.25	0.0320	No	<0.042	No	<0.028	No	0.0282	No
13-Nov-20	Downwind	5.92	0.0164	No	<0.045	No	<0.029	No	<0.015	No
14-Nov-20	Upwind	12.50	0.0154	No	<0.021	No	<0.014	No	<0.007	No
14-Nov-20	Downwind	12.50	0.0173	No	<0.021	No	<0.014	No	0.0061	No
16-Nov-20	Upwind	7.55	0.0666	No	<0.036	No	0.0164	No	0.0765	No
16-Nov-20	Downwind	7.13	0.0349	No	<0.037	No	<0.025	No	0.0281	No
17-Nov-20	Upwind	2.58	0.1780	No	<0.102	No	0.0435	No	0.0945	No
17-Nov-20	Downwind	3.40	<0.0130	No	<0.078	No	0.0177	No	0.0296	No
18-Nov-20	Upwind	16.48	0.0246	No	<0.016	No	<0.011	No	0.0085	No
18-Nov-20	Downwind	16.73	0.0080	No	<0.016	No	<0.011	No	0.0034	No
19-Nov-20	Upwind	18.92	0.0344	No	<0.014	No	0.0036	No	0.0086	No
19-Nov-20	Downwind	18.80	0.0123	No	<0.014	No	0.0056	No	0.0053	No
20-Nov-20	Upwind	18.75	0.0969	No	<0.014	No	0.0043	No	0.0162	No
20-Nov-20	Downwind	18.67	0.0336	No	<0.014	No	0.0062	No	0.0126	No
21-Nov-20	Upwind	18.17	0.0194	No	<0.014	No	0.0106	No	0.0210	No
21-Nov-20	Downwind	18.13	0.0647	No	<0.014	No	0.0078	No	0.0114	No
23-Nov-20	Upwind	7.33	0.0150	No	<0.036	No	0.0088	No	0.0178	No
23-Nov-20	Downwind	7.33	0.0301	No	<0.036	No	0.0219	No	0.0275	No
24-Nov-20	Upwind	6.77	0.0157	No	<0.039	No	0.0090	No	0.0170	No
24-Nov-20	Downwind	6.82	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
25-Nov-20	Upwind	7.47	0.0236	No	<0.035	No	0.0178	No	0.0207	No
25-Nov-20	Downwind	7.37	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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
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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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
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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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
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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	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
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	6.60	0.0970	No	0.0332J	No	0.0256J	No	0.0495	No
22-Jul-21	Downwind	6.58	0.0704	No	<0.0402	No	0.0120J	No	0.0248	No
23-Jul-21	Upwind	8.70	0.0673	No	<0.0304	No	0.0220	No	0.0340	No
23-Jul-21	Downwind	8.67	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
24-Jul-21	Upwind	3.30	0.0419	No	<0.0803	No	0.0624	No	0.0154J	No
24-Jul-21	Downwind	2.87	0.0375	No	<0.0924	No	0.0211J	No	0.0178J	No
26-Jul-21	Upwind	6.75	0.0580	No	<0.0392	No	<0.0262	No	0.0133	No
26-Jul-21	Downwind	6.83	0.0581	No	<0.0388	No	<0.0258	No	0.0185	No
27-Jul-21	Upwind	7.43	0.0402	No	<0.0356	No	0.0093J	No	0.0163	No
27-Jul-21	Downwind	7.33	0.0489	No	<0.0361	No	0.0331	No	0.0303	No
28-Jul-21	Upwind	7.42	0.0468	No	<0.0357	No	<0.0238	No	0.0264	No
28-Jul-21	Downwind	7.42	0.0686	No	<0.0357	No	0.0075J	No	0.0359	No
29-Jul-21	Upwind	7.23	0.0553	No	<0.0366	No	<0.0244	No	0.0107J	No
29-Jul-21	Downwind	7.17	0.0413	No	<0.0370	No	<0.0246	No	0.0185	No
30-Jul-21	Upwind	7.13	0.0314	No	<0.0371	No	<0.0248	No	0.0095J	No
30-Jul-21	Downwind	7.00	0.0437	No	<0.0378	No	<0.0252	No	0.0238	No
2-Aug-21	Upwind	7.20	0.0429	No	<0.0368	No	0.0148 J	No	0.0260	No
2-Aug-21	Downwind	6.88	0.0237	No	<0.0385	No	0.0301	No	0.0660	No
3-Aug-21	Upwind	7.33	0.0241	No	<0.0361	No	0.00807 J	No	0.0166	No
3-Aug-21	Downwind	7.33	0.0455	No	<0.0361	No	0.0130 J	No	0.0257	No
4-Aug-21	Upwind	7.40	0.038	No	<0.0358	No	0.0140 J	No	0.0231	No
4-Aug-21	Downwind	7.42	0.0661	No	<0.0357	No	0.0167 J	No	0.0375	No
5-Aug-21	Upwind	7.37	0.0208	No	<0.0359	No	0.0152 J	No	0.0103 J	No
5-Aug-21	Downwind	7.38	0.0307	No	<0.0359	No	0.0122 J	No	0.0277	No
6-Aug-21	Upwind	7.97	0.0417	No	<0.0332	No	0.00951 J	No	0.0238	No
6-Aug-21	Downwind	7.00	0.0349	No	<0.0378	No	0.0141 J	No	0.0242	No
9-Aug-21	Upwind	7.33	0.0474	No	<0.0361	No	0.0111 J	No	0.0235	No
9-Aug-21	Downwind	7.25	0.0296	No	<0.0365	No	0.0132 J	No	0.0164	No
10-Aug-21	Upwind	7.33	0.0656	No	<0.0361	No	0.0197 J	No	0.0335	No
10-Aug-21	Downwind	7.33	0.0401	No	<0.0361	No	0.0219 J	No	0.0213	No
11-Aug-21	Upwind	7.33	0.0395	No	<0.0361	No	0.0170 J	No	0.0186	No
11-Aug-21	Downwind	7.33	0.0510	No	<0.0361	No	0.0245	No	0.0359	No
12-Aug-21	Upwind	7.25	0.0408	No	<0.0375	No	0.0101 J	No	0.0212	No
12-Aug-21	Downwind	7.28	0.0574	No	<0.0364	No	0.0161 J	No	0.0319	No
13-Aug-21	Upwind	7.58	0.0352	No	<0.0358	No	0.0219 J	No	0.0231	No
13-Aug-21	Downwind	7.12	0.0277	No	<0.0372	No	0.0105 J	No	0.0207	No
16-Aug-21	Upwind	7.50	0.0722	No	0.0262 J	No	<0.0241	No	0.0190	No
16-Aug-21	Downwind	7.17	0.109	No	<0.0370	No	0.0114 J	No	0.0454	No
17-Aug-21	Upwind	7.37	0.0703	No	<0.0359	No	0.0214 J	No	0.0278	No
17-Aug-21	Downwind	7.42	0.073	No	0.0216 J	No	<0.0238	No	0.0234	No
18-Aug-21	Upwind	7.32	0.104	No	<0.0362	No	0.0160 J	No	0.0975	No
18-Aug-21	Downwind	7.33	0.0853	No	0.0227 J	No	0.0192 J	No	0.0770	No
19-Aug-21	Upwind	7.67	0.0821	No	0.0148 J	No	0.0102 J	No	0.0860	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
19-Aug-21	Downwind	7.17	0.0891	No	<0.03670	No	0.00977 J	No	0.0846	No
20-Aug-21	Upwind	7.48	0.0653	No	<0.0354	No	0.0098 J	No	0.0474	No
20-Aug-21	Downwind	7.57	0.0515	No	0.0259 J	No	0.0102 J	No	0.0385	No
23-Aug-21	Upwind	7.20	0.0521	No	<0.0368	No	<0.0245	No	0.0266	No
23-Aug-21	Downwind	7.60	0.0348	No	0.0135 J	No	<0.0232	No	0.0177	No
24-Aug-21	Upwind	7.08	0.0568	No	<0.0374	No	<0.0249	No	0.0182	No
24-Aug-21	Downwind	7.53	0.0574	No	<0.0352	No	<0.0234	No	0.0271	No
25-Aug-21	Upwind	7.67	0.0553	No	0.0246 J	No	0.0200 J	No	0.0174	No
25-Aug-21	Downwind	7.70	0.0409	No	<0.0344	No	<0.0229	No	0.0367	No
26-Aug-21	Upwind	7.58	0.0609	No	<0.0349	No	<0.0233	No	0.0138	No
26-Aug-21	Downwind	7.62	0.0411	No	<0.0348	No	<0.0232	No	0.0130	No
27-Aug-21	Upwind	7.33	0.0716	No	<0.0361	No	<0.0241	No	0.0279	No
27-Aug-21	Downwind	7.75	0.0573	No	<0.0342	No	<0.0228	No	0.0205	No
30-Aug-21	Upwind	9.58	0.0637	No	<0.0276	No	<0.0184	No	0.0103	No
30-Aug-21	Downwind	9.42	0.0606	No	<0.0281	No	<0.0187	No	0.0104	No
31-Aug-21	Upwind	9.73	0.120	No	<0.0272	No	<0.0181	No	0.0130	No
31-Aug-21	Downwind	9.58	0.0652	No	<0.0276	No	0.0075 J	No	0.0127	No
1-Sep-21	Upwind	9.48	0.127	No	<0.0279	No	0.0137 J	No	0.0482	No
1-Sep-21	Downwind	9.75	0.0798	No	<0.0272	No	<0.0181	No	0.0175	No
2-Sep-21	Upwind	9.45	0.0713	No	<0.0280	No	0.0184 J	No	0.0721	No
2-Sep-21	Downwind	9.72	0.0589	No	<0.0273	No	0.00746 J	No	0.0075 J	No
3-Sep-21	Upwind	7.50	0.0651	No	<0.0353	No	0.00743 J	No	0.0181	No
3-Sep-21	Downwind	7.05	0.0480	No	<0.0376	No	<0.0250	No	0.0255	No
7-Sep-21	Upwind	7.42	0.0428	No	0.0146 J	No	0.0074 J	No	0.0148	No
7-Sep-21	Downwind	7.67	0.0451	No	<0.0345	No	0.0112 J	No	0.0219	No
8-Sep-21	Upwind	7.42	0.0448	No	<0.0357	No	<0.0238	No	0.0103 J	No
8-Sep-21	Downwind	7.50	0.0518	No	<0.0353	No	0.0111 J	No	0.0316	No
9-Sep-21	Upwind	7.30	0.0691	No	<0.0363	No	0.0120 J	No	0.0300	No
9-Sep-21	Downwind	7.38	0.0765	No	<0.0359	No	0.00785 J	No	0.0520	No
10-Sep-21	Upwind	9.42	0.0241	No	<0.0281	No	0.00558 J	No	0.0103	No
10-Sep-21	Downwind	9.68	0.0313	No	<0.0273	No	<0.0182	No	0.0163	No
13-Sep-21	Upwind	9.53	0.0631	No	0.0269 J	No	<0.0185	No	0.0132	No
13-Sep-21	Downwind	9.78	0.0598	No	<0.0271	No	<0.0180	No	0.0135	No
14-Sep-21	Upwind	9.53	0.0400	No	0.0123 J	No	0.00531 J	No	0.00977	No
14-Sep-21	Downwind	9.78	0.0496	No	0.0259 J	No	0.00680 J	No	0.0161	No
15-Sep-21	Upwind	9.53	0.0670	No	0.0106 J	No	<0.0185	No	0.00914 J	No
15-Sep-21	Downwind	9.75	0.0730	No	<0.0272	No	0.00850 J	No	0.0263	No
16-Sep-21	Upwind	9.50	0.0533	No	0.0115 J	No	<0.0186	No	0.0122	No
16-Sep-21	Downwind	9.73	0.0446	No	0.0193 J	No	<0.0181	No	0.0147	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
17-Sep-21	Upwind	9.42	0.0575	No	<0.0281	No	<0.0187	No	0.0205	No
17-Sep-21	Downwind	9.55	0.0413	No	<0.0277	No	<0.0185	No	0.0101	No
20-Sep-21	Upwind	9.50	0.0661	No	<0.0279	No	0.00520 J	No	0.0333	No
20-Sep-21	Downwind	9.68	0.0501	No	0.0220 J	No	0.0113 J	No	0.0258	No
21-Sep-21	Upwind	9.45	0.0967	No	0.0230 J	No	0.0195	No	0.0514	No
21-Sep-21	Downwind	9.70	0.0824	No	<0.0273	No	0.0193	No	0.0576	No
22-Sep-21	Upwind	9.50	0.0671	No	0.0107 J	No	0.0105 J	No	0.0268	No
22-Sep-21	Downwind	9.72	0.0580	No	0.0133 J	No	0.0137 J	No	0.0319	No
23-Sep-21	Upwind	9.50	0.0567	No	<0.0279	No	0.0106 J	No	0.0260	No
23-Sep-21	Downwind	9.75	0.0560	No	0.0145 J	No	0.0158 J	No	0.0407	No
24-Sep-21	Upwind	9.52	0.0485	No	<0.0278	No	0.00557 J	No	0.0189	No
24-Sep-21	Downwind	9.77	0.204	No	0.0127 J	No	0.0206	No	0.0402	No
27-Sep-21	Upwind	9.42	0.103	No	<0.0281	No	0.0309	No	0.166	No
27-Sep-21	Downwind	9.72	0.0129	No	<0.0273	No	<0.0182	No	0.0142	No
28-Sep-21	Upwind	9.43	0.0518	No	<0.0281	No	0.0107 J	No	0.0313	No
28-Sep-21	Downwind	9.72	0.0324	No	<0.0273	No	0.00740 J	No	0.0174	No
29-Sep-21	Upwind	9.48	0.0521	No	<0.0279	No	0.0103 J	No	0.0372	No
29-Sep-21	Downwind	9.72	0.0359	No	<0.0273	No	0.0122 J	No	0.0254	No
30-Sep-21	Upwind	9.47	0.0569	No	<0.0280	No	0.0275	No	0.0555	No
30-Sep-21	Downwind	9.73	0.0466	No	<0.0272	No	0.0146 J	No	0.0422	No
1-Oct-21	Upwind	9.52	0.0561	No	<0.0278	No	0.0109 J	No	0.0421	No
1-Oct-21	Downwind	9.75	0.0460	No	<0.0272	No	0.0181	No	0.0382	No
4-Oct-21	Upwind	9.42	0.0470	No	<0.0281	No	0.0192	No	0.0461	No
4-Oct-21	Downwind	9.63	0.0481	No	<0.0275	No	<0.0183	No	0.0284	No
5-Oct-21	Upwind	7.55	0.0485	No	<0.0351	No	0.0112 J	No	0.0263	No
5-Oct-21	Downwind	7.70	0.0537	No	<0.0344	No	0.0109 J	No	0.0367	No
6-Oct-21	Upwind	7.50	0.0569	No	<0.0353	No	<0.0235	No	0.0377	No
6-Oct-21	Downwind	7.90	0.0438	No	<0.0335	No	<0.0223	No	0.0298	No
7-Oct-21	Upwind	7.62	0.0862	No	<0.0348	No	0.00846 J	No	0.0504	No
7-Oct-21	Downwind	7.70	0.0459	No	<0.0344	No	<0.0229	No	0.0298	No
8-Oct-21	Upwind	7.42	0.0752	No	<0.0357	No	<0.0238	No	0.0799	No
8-Oct-21	Downwind	7.83	0.0984	No	<0.0338	No	0.0172 J	No	0.0515	No
11-Oct-21	Upwind	8.67	0.0569	No	<0.0306	No	<0.0204	No	0.0102	No
11-Oct-21	Downwind	9.00	0.0597	No	<0.0294	No	<0.0196	No	0.0161	No
12-Oct-21	Upwind	24.03	0.0502	No	0.00576 J	No	<0.00735	No	0.0247	No
12-Oct-21	Downwind	24.03	0.0487	No	<0.0110	No	<0.00735	No	0.0194	No
13-Oct-21	Upwind	14.55	0.0271	No	<0.0182	No	<0.0121	No	0.00754	No
13-Oct-21	Downwind	14.08	0.0330	No	<0.0188	No	<0.0125	No	0.00747	No
14-Oct-21	Upwind	14.28	0.0614	No	<0.0185	No	<0.0124	No	0.0311	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
14-Oct-21	Downwind	13.83	0.0381	No	0.00792 J	No	<0.0128	No	0.0139	No
15-Oct-21	Upwind	7.50	0.0690	No	0.0128 J	No	<0.0235	No	0.0320	No
15-Oct-21	Downwind	12.00	0.0521	No	<0.0221	No	<0.0147	No	0.0205	No
18-Oct-21	Upwind	13.40	0.0455	No	0.0138 J	No	0.00487 J	No	0.0139	No
18-Oct-21	Downwind	12.70	0.291	No	<0.0209	No	0.0390	No	0.246	No
19-Oct-21	Upwind	12.20	0.0623	No	<0.0217	No	0.00715 J	No	0.0381	No
19-Oct-21	Downwind	12.40	0.0352	No	<0.0214	No	<0.0142	No	0.0174	No
20-Oct-21	Upwind	2.37	0.0342	No	<0.112	No	<0.0746	No	<0.0373	No
20-Oct-21	Downwind	2.20	0.0221	No	<0.120	No	<0.0803	No	<0.0401	No
21-Oct-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
21-Oct-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
22-Oct-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
22-Oct-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
25-Oct-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
25-Oct-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
26-Oct-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
26-Oct-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
27-Oct-21	Upwind	3.20	0.0648	No	0.0299 J	No	<0.0552	No	<0.0276	No
27-Oct-21	Downwind	3.00	0.0775	No	<0.0883	No	<0.0589	No	<0.0294	No
28-Oct-21	Upwind	5.52	0.0459	No	<0.0480	No	<0.0320	No	0.0134 J	No
28-Oct-21	Downwind	5.17	0.0293	No	<0.0513	No	<0.0342	No	<0.0171	No
29-Oct-21	Upwind	7.75	0.0552	No	<0.0342	No	<0.0228	No	0.0157	No
29-Oct-21	Downwind	7.42	0.0379	No	<0.0357	No	<0.0238	No	<0.0119	No
1-Nov-21	Upwind	7.10	0.0276	No	0.0156 J	No	0.0232 J	No	0.0184	No
1-Nov-21	Downwind	7.20	0.0319	No	<0.0368	No	<0.0245	No	<0.0123	No
2-Nov-21	Upwind	7.40	0.0229	No	<0.0358	No	0.0087 J	No	0.0136	No
2-Nov-21	Downwind	7.70	0.0138	No	<0.0344	No	<0.0229	No	0.0064 J	No
3-Nov-21	Upwind	8.17	0.0447	No	<0.0324	No	0.0110 J	No	0.0205	No
3-Nov-21	Downwind	8.70	0.0325	No	<0.0304	No	0.0082 J	No	0.0074 J	No
4-Nov-21	Upwind	8.70	0.0689	No	<0.0304	No	<0.0203	No	0.0101 J	No
4-Nov-21	Downwind	8.60	0.0871	No	<0.0308	No	0.0061 J	No	0.0289	No
5-Nov-21	Upwind	7.72	0.061	No	<0.0343	No	0.0083 J	No	0.0142	No
5-Nov-21	Downwind	7.37	0.0555	No	<0.0359	No	<0.0240	No	0.0244	No
8-Nov-21	Upwind	7.58	0.0289	No	<0.0349	No	<0.0233	No	0.0211	No
8-Nov-21	Downwind	7.25	0.017	No	<0.0365	No	0.0088 J	No	<0.0122	No
9-Nov-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
9-Nov-21	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
10-Nov-21	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
10-Nov-21	Downwind	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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
11-Nov-21	Upwind	7.28	0.036	No	<0.0364	No	<0.0242	No	0.0208	No
11-Nov-21	Downwind	6.85	0.0284	No	<0.0387	No	<0.0258	No	0.0078 J	No
12-Nov-21	Upwind	7.27	0.0437	No	<0.0364	No	<0.0243	No	0.0269	No
12-Nov-21	Downwind	6.82	0.0257	No	<0.0389	No	<0.0259	No	0.0105 J	No
15-Nov-21	Upwind	7.33	0.0738	No	<0.0361	No	0.0110 J	No	0.0397	No
15-Nov-21	Downwind	7.42	0.0337	No	<0.0357	No	0.0112 J	No	0.0098 J	No
16-Nov-21	Upwind	7.50	0.0724	No	<0.0353	No	<0.0235	No	0.0324	No
16-Nov-21	Downwind	7.50	0.0328	No	<0.0353	No	0.0067 J	No	0.0114 J	No
17-Nov-21	Upwind	7.25	0.0763	No	<0.0365	No	0.0065 J	No	0.0507	No
17-Nov-21	Downwind	7.58	0.0396	No	<0.0349	No	0.0105 J	No	0.0190	No
18-Nov-21	Upwind	7.68	0.0877	No	<0.0345	No	0.0124 J	No	0.0467	No
18-Nov-21	Downwind	7.70	0.0617	No	<0.0344	No	0.0148 J	No	0.0298	No
19-Nov-21	Upwind	7.15	0.0228	No	<0.0370	No	<0.0247	No	0.0097 J	No
19-Nov-21	Downwind	7.05	0.024	No	<0.0376	No	0.0074 J	No	0.0073 J	No
20-Nov-21	Upwind	7.33	0.0128	No	<0.0361	No	<0.0241	No	0.0086 J	No
20-Nov-21	Downwind	7.08	0.015	No	<0.0374	No	<0.0249	No	<0.0125	No
22-Nov-21	Upwind	7.42	0.0553	No	<0.0357	No	0.0111 J	No	0.0304	No
22-Nov-21	Downwind	7.42	0.0222	No	<0.0357	No	<0.0238	No	0.0157	No
23-Nov-21	Upwind	9.40	0.0426	No	<0.0282	No	0.0105 J	No	0.0208	No
23-Nov-21	Downwind	9.10	0.0262	No	<0.0291	No	0.0070 J	No	0.0095 J	No
24-Nov-21	Upwind	7.30	0.0276	No	<0.0363	No	<0.0242	No	0.0149	No
24-Nov-21	Downwind	7.10	0.0189	No	<0.0373	No	0.0094 J	No	0.0091 J	No
25-Nov-21	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
25-Nov-21	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
26-Nov-21	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
26-Nov-21	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
29-Nov-21	Upwind	6.10	0.0784	No	<0.0434	No	<0.0289	No	<0.0145	No
29-Nov-21	Downwind	5.50	0.0439	No	<0.0482	No	<0.0321	No	<0.0161	No
30-Nov-21	Upwind	7.42	0.0714	No	<0.0357	No	<0.0238	No	<0.0119	No
30-Nov-21	Downwind	7.42	0.0331	No	<0.0357	No	<0.0238	No	<0.0119	No
1-Dec-21	Upwind	7.53	0.0695	No	<0.0352	No	<0.0234	No	<0.0117	No
1-Dec-21	Downwind	7.50	0.0418	No	<0.0353	No	<0.0235	No	<0.0118	No
2-Dec-21	Upwind	7.50	0.11	No	<0.0353	No	<0.0235	No	<0.0118	No
2-Dec-21	Downwind	7.50	0.0587	No	<0.0353	No	<0.0235	No	<0.0118	No
3-Dec-21	Upwind	7.25	0.0396	No	<0.0365	No	<0.0244	No	<0.0122	No
3-Dec-21	Downwind	7.83	0.028	No	<0.0338	No	<0.0225	No	<0.0113	No
4-Dec-21	Upwind	14.08	0.0212	No	<0.0188	No	<0.0125	No	<0.0063	No
4-Dec-21	Downwind	13.95	0.0196	No	<0.0190	No	<0.0127	No	<0.0063	No
6-Dec-21	Upwind	15.08	0.054	No	<0.0176	No	<0.0117	No	<0.0059	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
6-Dec-21	Downwind	15.25	0.0198	No	<0.0174	No	<0.0116	No	<0.0058	No
7-Dec-21	Upwind	16.37	0.0272	No	<0.0162	No	<0.0108	No	<0.0054	No
7-Dec-21	Downwind	16.17	0.0071	No	<0.0164	No	<0.0109	No	<0.0055	No
8-Dec-21	Upwind	16.12	0.0156	No	<0.0164	No	<0.0110	No	<0.0055	No
8-Dec-21	Downwind	16.00	0.00901	No	<0.0166	No	<0.0110	No	<0.0055	No
9-Dec-21	Upwind	17.72	0.031	No	<0.0149	No	<0.0100	No	<0.0050	No
9-Dec-21	Downwind	17.88	0.0239	No	<0.0148	No	<0.0099	No	<0.0049	No
10-Dec-21	Upwind	17.12	0.0363	No	<0.0155	No	<0.0103	No	<0.0052	No
10-Dec-21	Downwind	16.88	0.0295	No	<0.0157	No	<0.0105	No	<0.0052	No
11-Dec-21	Upwind	12.00	0.0322	No	<0.0221	No	<0.0147	No	<0.0074	No
11-Dec-21	Downwind	12.00	0.0375	No	<0.0221	No	<0.0147	No	<0.0074	No
13-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
13-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
14-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
15-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
16-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
17-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
21-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
22-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
23-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
24-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
27-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
28-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
29-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
30-Dec-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 <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
31-Dec-21	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
31-Dec-21	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Jan-22	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
3-Jan-22	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Jan-22	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
4-Jan-22	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Jan-22	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
5-Jan-22	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Jan-22	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
6-Jan-22	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jan-22	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
7-Jan-22	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Jan-22	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
10-Jan-22	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Jan-22	Upwind	7.13	0.0322	No	<0.0371	No	0.0145 J	No	0.0113 J	No
11-Jan-22	Downwind	7.33	0.0197	No	<0.0361	No	0.0129 J	No	0.0068 J	No
12-Jan-22	Upwind	7.55	0.0438	No	<0.0351	No	0.0146 J	No	0.0138	No
12-Jan-22	Downwind	7.78	0.0268	No	<0.0340	No	0.0136 J	No	0.00778 J	No
13-Jan-22	Upwind	7.07	0.0468	No	<0.0375	No	0.0107 J	No	0.0120 J	No
13-Jan-22	Downwind	7.07	0.041	No	<0.0375	No	0.0150 J	No	0.0075 J	No
14-Jan-22	Upwind	7.72	0.0368	No	<0.0343	No	0.0162 J	No	0.0160	No
14-Jan-22	Downwind	8.00	0.0232	No	<0.0331	No	0.0166 J	No	0.0117	No
17-Jan-22	Upwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
17-Jan-22	Downwind	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
18-Jan-22	Upwind	7.62	0.0346	No	<0.0348	No	0.0151 J	No	0.0108 J	No
18-Jan-22	Downwind	7.17	<0.006	No	<0.0370	No	0.0123 J	No	0.0073 J	No
19-Jan-22	Upwind	7.58	0.0229	No	<0.0349	No	0.0167 J	No	0.0120	No
19-Jan-22	Downwind	7.47	0.0187	No	<0.0355	No	0.0125 J	No	<0.0118	No
20-Jan-22	Upwind	7.58	0.0099	No	<0.0349	No	0.0106 J	No	0.0080 J	No
20-Jan-22	Downwind	7.22	0.00652	No	<0.0367	No	0.0139 J	No	<0.0122	No
21-Jan-22	Upwind	7.83	0.0571	No	<0.0338	No	0.0165 J	No	0.0231	No
21-Jan-22	Downwind	7.42	0.0375	No	<0.0357	No	0.0160 J	No	0.0194	No
24-Jan-22	Upwind	7.85	0.0583	No	<0.0337	No	<0.0225	No	<0.0112	No
24-Jan-22	Downwind	7.42	0.0577	No	<0.0357	No	<0.0238	No	<0.0119	No
25-Jan-22	Upwind	7.87	0.0561	No	<0.0337	No	<0.0224	No	<0.0112	No
25-Jan-22	Downwind	7.33	0.0361	No	<0.0361	No	<0.0241	No	<0.0120	No
26-Jan-22	Upwind	7.67	0.0447	No	<0.0345	No	<0.0230	No	<0.0115	No
26-Jan-22	Downwind	7.30	0.0373	No	<0.0363	No	<0.0242	No	<0.0121	No
27-Jan-22	Upwind	7.92	0.053	No	<0.0335	No	<0.0223	No	<0.0112	No



Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
27-Jan-22	Downwind	7.50	0.0463	No	<0.0353	No	<0.0235	No	<0.0118	No
28-Jan-22	Upwind	7.75	0.0569	No	<0.0342	No	<0.0228	No	<0.0114	No
28-Jan-22	Downwind	7.57	0.0476	No	<0.0350	No	<0.0233	No	<0.0117	No
31-Jan-22	Upwind	7.87	0.0387	No	<0.0337	No	<0.0224	No	<0.0112	No
31-Jan-22	Downwind	7.50	0.0343	No	<0.0353	No	<0.0235	No	<0.0118	No
1-Feb-22	Upwind	7.87	0.101	No	<0.0337	No	<0.0224	No	0.0958	No
1-Feb-22	Downwind	7.50	0.0463	No	<0.0353	No	<0.0235	No	<0.0118	No
2-Feb-22	Upwind	7.92	0.139	No	<0.0335	No	<0.0223	No	0.1186	No
2-Feb-22	Downwind	7.50	0.0724	No	<0.0353	No	<0.0235	No	<0.0118	No
3-Feb-22	Upwind	7.83	0.0569	No	<0.0338	No	<0.0225	No	<0.0113	No
3-Feb-22	Downwind	7.50	0.0324	No	<0.0353	No	<0.0235	No	<0.0118	No
4-Feb-22	Upwind	7.87	0.0834	No	<0.0337	No	<0.0224	No	<0.0112	No
4-Feb-22	Downwind	7.42	0.0563	No	<0.0357	No	<0.0238	No	<0.0119	No
7-Feb-22	Upwind	7.87	0.031	No	<0.0337	No	0.0072 J	No	0.0158 J	No
7-Feb-22	Downwind	7.50	0.0636	No	<0.0353	No	0.0154 J	No	0.0539	No
8-Feb-22	Upwind	7.87	0.049	No	<0.0337	No	<0.0224	No	0.0322 J	No
8-Feb-22	Downwind	7.33	0.0367	No	<0.0361	No	<0.0241	No	0.0207	No
9-Feb-22	Upwind	9.02	0.0601	No	<0.0294	No	0.0104 J	No	0.0653	No
9-Feb-22	Downwind	8.95	0.0263	No	<0.0296	No	0.0057 J	No	0.0214 J	No
10-Feb-22	Upwind	10.70	0.0495	No	<0.0248	No	0.0082 J	No	0.0458	No
10-Feb-22	Downwind	10.52	0.0341	No	<0.0252	No	<0.0168	No	0.0273 J	No
11-Feb-22	Upwind	9.45	0.0645	No	<0.0280	No	0.0105 J	No	0.0637	No
11-Feb-22	Downwind	9.45	0.0355	No	<0.0280	No	0.0079 J	No	0.0226 J	No
14-Feb-22	Upwind	7.67	0.17	No	<0.0345	No	0.0248	No	0.0829	No
14-Feb-22	Downwind	7.17	0.0185	No	<0.0370	No	<0.0246	No	0.0246 J	No
15-Feb-22	Upwind	13.55	0.0296	No	<0.0195	No	<0.0130	No	0.0201 J	No
15-Feb-22	Downwind	14.18	0.0161	No	<0.0187	No	<0.0124	No	0.0141 J	No
16-Feb-22	Upwind	14.13	0.0666	No	<0.0187	No	0.0144	No	0.0454	No
16-Feb-22	Downwind	14.03	0.0382	No	<0.0189	No	0.0110 J	No	0.0354	No
17-Feb-22	Upwind	14.73	0.0556	No	<0.0180	No	<0.0120	No	0.0481	No
17-Feb-22	Downwind	14.40	0.0289	No	<0.0184	No	0.0054 J	No	0.0312	No
18-Feb-22	Upwind	15.28	0.0649	No	<0.0173	No	0.0094 J	No	0.0482	No
18-Feb-22	Downwind	15.15	0.0653	No	<0.0175	No	0.0148	No	0.0460	No
21-Feb-22	Upwind	8.22	<0.00537	No	<0.0322	No	<0.0215	No	0.0256 J	No
21-Feb-22	Downwind	8.08	<0.00546	No	<0.0328	No	<0.0218	No	0.0137 J	No
22-Feb-22	Upwind	7.92	0.0567	No	<0.0335	No	0.0094 J	No	0.0249 J	No
22-Feb-22	Downwind	7.42	0.028	No	<0.0357	No	<0.0238	No	0.0206 J	No
23-Feb-22	Upwind	7.92	0.0273	No	<0.0335	No	<0.0223	No	0.0279 J	No
23-Feb-22	Downwind	7.50	0.0155	No	<0.0353	No	<0.0235	No	0.0167 J	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
24-Feb-22	Upwind	7.83	0.0364	No	<0.0338	No	0.0123 J	No	0.0301 J	No
24-Feb-22	Downwind	7.67	<0.00576	No	<0.0345	No	0.0087 J	No	0.0086 J	No
25-Feb-22	Upwind	7.75	0.037	No	<0.0342	No	0.0076 J	No	0.0270 J	No
25-Feb-22	Downwind	7.42	0.0224	No	<0.0357	No	0.0131 J	No	0.0216 J	No
28-Feb-22	Upwind	7.92	0.103	No	<0.0335	No	0.0171 J	No	0.0801	No
28-Feb-22	Downwind	7.33	0.0311	No	<0.0361	No	<0.0241	No	0.0221 J	No
1-Mar-22	Upwind	7.83	0.0669	No	<0.0338	No	0.0062 J	No	0.0485	No
1-Mar-22	Downwind	7.42	0.05	No	<0.0357	No	0.0089 J	No	0.0629	No
2-Mar-22	Upwind	7.83	0.0627	No	<0.0338	No	<0.0225	No	0.0571	No
2-Mar-22	Downwind	7.50	0.0304	No	<0.0353	No	<0.0235	No	0.0406	No
3-Mar-22	Upwind	7.60	0.0286	No	<0.0348	No	<0.0232	No	0.0226 J	No
3-Mar-22	Downwind	7.33	0.0552	No	<0.0361	No	<0.0241	No	0.0512 J	No
4-Mar-22	Upwind	7.75	0.0587	No	<0.0342	No	<0.0228	No	0.0308 J	No
4-Mar-22	Downwind	7.50	0.0926	No	<0.0353	No	<0.0235	No	4.4531	No
7-Mar-22	Upwind	7.50	0.0532	No	<0.0353	No	0.0094 J	No	0.0547	No
7-Mar-22	Downwind	7.25	0.026	No	<0.0365	No	<0.0244	No	0.0231 J	No
8-Mar-22	Upwind	7.83	0.0494	No	<0.0338	No	<0.0225	No	0.0428	No
8-Mar-22	Downwind	7.50	0.0316	No	<0.0353	No	<0.0235	No	0.0253 J	No
9-Mar-22	Upwind	7.78	0.0115	No	<0.0340	No	0.0169 J	No	0.0554	No
9-Mar-22	Downwind	7.50	0.186	No	<0.0353	No	0.0171 J	No	0.1534	No
10-Mar-22	Upwind	7.83	0.065	No	<0.0338	No	<0.0225	No	0.0556	No
10-Mar-22	Downwind	7.50	0.0349	No	<0.0353	No	<0.0235	No	0.0398	No
11-Mar-22	Upwind	7.75	0.0456	No	<0.0342	No	<0.0228	No	0.0663	No
11-Mar-22	Downwind	7.67	0.0424	No	<0.0345	No	<0.0230	No	0.0518	No
14-Mar-22	Upwind	7.67	0.0658	No	<0.0345	No	<0.0230	No	0.0439	No
14-Mar-22	Downwind	7.58	0.0374	No	<0.0349	No	<0.0233	No	0.0272 J	No
15-Mar-22	Upwind	7.00	0.0385	No	<0.0378	No	<0.0252	No	0.0160 J	No
15-Mar-22	Downwind	7.18	0.0221	No	<0.0369	No	<0.0246	No	0.0250 J	No
16-Mar-22	Upwind	7.75	0.0518	No	<0.0342	No	<0.0228	No	0.0306 J	No
16-Mar-22	Downwind	7.58	0.0588	No	<0.0349	No	<0.0233	No	0.0314 J	No
17-Mar-22	Upwind	7.75	0.139	No	<0.0342	No	<0.0228	No	0.0433	No
17-Mar-22	Downwind	7.58	0.123	No	<0.0349	No	<0.0233	No	0.0413	No
18-Mar-22	Upwind	7.83	0.136	No	<0.0338	No	<0.0225	No	0.0327 J	No
18-Mar-22	Downwind	7.67	0.0908	No	<0.0345	No	<0.0230	No	0.0443	No
21-Mar-22	Upwind	7.67	Note 4	Note 4	<0.0345	No	0.0122 J	No	0.1094	No
21-Mar-22	Downwind	7.42	Note 4	Note 4	<0.0357	No	<0.0238	No	<0.0119	No
22-Mar-22	Upwind	7.75	Note 4	Note 4	<0.0342	No	<0.0228	No	0.0469	No
22-Mar-22	Downwind	7.67	Note 4	Note 4	<0.0345	No	<0.0230	No	0.0311 J	No
23-Mar-22	Upwind	7.83	Note 4	Note 4	<0.0338	No	<0.0225	No	0.0342 J	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
23-Mar-22	Downwind	7.67	Note 4	Note 4	<0.0345	No	<0.0230	No	0.0476	No
24-Mar-22	Upwind	7.83	Note 4	Note 4	<0.0338	No	<0.0225	No	0.0190 J	No
24-Mar-22	Downwind	7.67	Note 4	Note 4	<0.0345	No	<0.0230	No	0.0228 J	No
25-Mar-22	Upwind	7.75	Note 4	Note 4	<0.0342	No	<0.0228	No	0.0126 J	No
25-Mar-22	Downwind	7.67	Note 4	Note 4	<0.0345	No	<0.0230	No	0.0236 J	No
28-Mar-22	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
28-Mar-22	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
29-Mar-22	Upwind	7.83	0.0222	No	0.0216 J	No	<0.0225	No	0.0131 J	No
29-Mar-22	Downwind	7.67	0.0219	No	<0.0345	No	0.0106 J	No	0.0274 J	No
30-Mar-22	Upwind	7.83	0.0435	No	0.0122 J	No	<0.0225	No	0.0201 J	No
30-Mar-22	Downwind	7.67	0.0401	No	0.0154 J	No	0.0064 J	No	0.0497	No
31-Mar-22	Upwind	7.83	0.0255	No	<0.0338	No	<0.0225	No	0.0270 J	No
31-Mar-22	Downwind	7.58	0.0171	No	<0.0349	No	<0.0233	No	0.0248 J	No
1-Apr-22	Upwind	7.83	0.178	No	<0.0338	No	<0.0225	No	0.0642	No
1-Apr-22	Downwind	7.67	0.0662	No	<0.0345	No	<0.0230	No	0.0635	No
4-Apr-22	Upwind	7.75	0.0152	No	0.0121 J	No	<0.0228	No	0.0171 J	No
4-Apr-22	Downwind	7.42	0.0284	No	<0.0357	No	<0.0238	No	0.0484	No
5-Apr-22	Upwind	7.67	<0.00576	No	<0.0345	No	<0.0230	No	0.0196 J	No
5-Apr-22	Downwind	7.58	<0.00582	No	<0.0349	No	<0.0233	No	0.0225 J	No
6-Apr-22	Upwind	7.67	0.0265	No	0.0244 J	No	<0.0230	No	0.0242 J	No
6-Apr-22	Downwind	7.25	0.0623	No	<0.0365	No	<0.0244	No	0.1473	No
7-Apr-22	Upwind	7.50	0.0396	No	<0.0353	No	0.0064 J	No	0.0494	No
7-Apr-22	Downwind	7.33	0.0235	No	<0.0361	No	<0.0241	No	0.0381 J	No
8-Apr-22	Upwind	7.67	0.0783	No	0.0194 J	No	0.0067 J	No	0.0336 J	No
8-Apr-22	Downwind	7.50	0.101	No	0.0181 J	No	0.0073 J	No	0.0487	No
11-Apr-22	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
11-Apr-22	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
12-Apr-22	Upwind	7.58	0.129	No	0.0149J	No	0.0102J	No	0.0520	No
12-Apr-22	Downwind	7.42	0.0647	No	0.0166J	No	0.0088J	No	0.0343 J	No
13-Apr-22	Upwind	7.67	0.0889	No	0.0209J	No	<0.0230	No	0.04145J	No
13-Apr-22	Downwind	7.50	0.0332	No	<0.0353	No	<0.0235	No	0.0286J	No
14-Apr-22	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
14-Apr-22	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
15-Apr-22	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
15-Apr-22	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
18-Apr-22	Upwind	7.83	0.0327	No	0.0171J	No	<0.0225	No	0.0117J	No
18-Apr-22	Downwind	7.75	0.0171	No	<0.0341	No	0.0082J	No	0.0068J	No
19-Apr-22	Upwind	7.67	0.0543	No	<0.0345	No	0.0080J	No	0.0165J	No
19-Apr-22	Downwind	7.58	0.0151	No	0.0219J	No	0.0086J	No	<0.0388	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
20-Apr-22	Upwind	7.83	0.0757	No	<0.0338	No	<0.0225	No	0.0371J	No
20-Apr-22	Downwind	7.67	0.0259	No	0.0211	No	0.0062J	No	0.0509	No
21-Apr-22	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
21-Apr-22	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
22-Apr-22	Upwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
22-Apr-22	Downwind	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
25-Apr-22	Upwind	7.58	0.101	No	<0.0349	No	0.0140J	No	0.0543	No
25-Apr-22	Downwind	7.50	0.0614	No	<0.0353	No	0.0080J	No	0.0522	No
26-Apr-22	Upwind	7.67	0.0716	No	<0.0345	No	0.0230J	No	0.0443	No
26-Apr-22	Downwind	7.50	0.0612	No	<0.0353	No	0.0129	No	0.0516	No
27-Apr-22	Upwind	7.50	0.111	No	<0.0353	No	0.0164	No	0.0924	No
27-Apr-22	Downwind	7.42	0.21	No	<0.0357	No	0.0242	No	0.2500	No
28-Apr-22	Upwind	7.67	0.0612	No	<0.0345	No	0.0152J	No	0.0495	No
28-Apr-22	Downwind	7.58	0.0922	No	<0.0349	No	0.0165J	No	0.0951	No
29-Apr-22	Upwind	7.75	0.0951	No	<0.0341	No	0.0128J	No	0.0921	No
29-Apr-22	Downwind	7.58	0.0722	No	<0.0349	No	0.0132J	No	0.0757	No
2-May-22	B606UPWIND	7.50	0.0486	No	<0.0353	No	0.0062J	No	0.0362J	No
2-May-22	12ADOWNWIND	7.50	0.0769	No	<0.0353	No	0.0130J	No	0.0936	No
3-May-22	B606UPWIND	7.75	0.045	No	<0.0341	No	0.0103J	No	0.0484	No
3-May-22	12ADOWNWIND	7.58	0.0402	No	<0.0349	No	0.0076J	No	0.0603	No
4-May-22	B606UPWIND	7.67	0.0462	No	<0.0345	No	0.0140J	No	0.0326J	No
4-May-22	12ADOWNWIND	7.58	0.0702	No	<0.0349	No	0.0114J	No	0.0739	No
5-May-22	B606UPWIND	7.75	0.0414	No	<0.0341	No	0.0141J	No	0.0377J	No
5-May-22	12ADOWNWIND	7.58	0.0547	No	<0.0349	No	0.0123J	No	0.0698	No
6-May-22	B606UPWIND	7.58	0.0293	No	<0.0349	No	0.0065J	No	0.0320J	No
6-May-22	12ADOWNWIND	7.58	0.0547	No	<0.0349	No	0.0114J	No	0.0821	No
9-May-22	B606UPWIND	7.75	0.0725	No	<0.0341	No	0.0137J	No	0.0490	No
9-May-22	12ADOWNWIND	7.67	0.154	No	0.0121J	No	0.0213J	No	0.1209	No
10-May-22	B606UPWIND	7.67	0.0595	No	<0.0345	No	0.0120J	No	0.0474	No
10-May-22	12ADOWNWIND	7.67	0.185	No	<0.0345	No	0.0259	No	0.1428	No
11-May-22	B606UPWIND	7.67	0.0635	No	<0.0345	No	0.0090J	No	0.0557	No
11-May-22	12ADOWNWIND	7.58	0.14	No	<0.0349	No	0.0158J	No	0.1457	No
12-May-22	B606UPWIND	7.75	0.0983	No	<0.0341	No	0.0094J	No	0.0628	No
12-May-22	12ADOWNWIND	7.67	0.198	No	<0.0345	No	0.0251	No	0.1873	No
13-May-22	B606UPWIND	7.75	0.0444	No	<0.0341	No	0.0114J	No	0.0275J	No
13-May-22	12ADOWNWIND	7.33	0.349	No	<0.0361	No	0.0548	No	0.4213	No
16-May-22	B606UPWIND	7.75	0.0543	No	<0.0341	No	0.0083J	No	0.0226	No
16-May-22	12ADOWNWIND	7.58	0.576	No	<0.0349	No	0.0541	No	0.5394	No
17-May-22	B606UPWIND	7.02	0.0799	No	<0.0377	No	0.0116J	No	0.0742	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
17-May-22	12ADOWNWIND	7.00	0.159	No	<0.0378	No	0.0353	No	0.1040	No
18-May-22	B606UPWIND	7.50	0.0757	No	<0.0353	No	0.0085J	No	0.0396	No
18-May-22	12ADOWNWIND	7.42	0.0613	No	<0.0357	No	<0.0238	No	0.0251J	No
19-May-22	B606UPWIND	7.75	0.0885	No	<0.0341	No	0.0087J	No	0.0326J	No
19-May-22	12ADOWNWIND	7.67	0.337	No	<0.0345	No	0.0338	No	0.1900	No
20-May-22	B606UPWIND	7.58	0.0797	No	<0.0349	No	0.0118J	No	0.0567	No
20-May-22	12ADOWNWIND	7.58	0.11	No	<0.0349	No	0.0135J	No	0.0638	No
31-May-22	B606UPWIND	7.60	0.083	No	<0.0348	No	0.0127J	No	0.0610	No
31-May-22	12ADOWNWIND	7.50	0.088	No	<0.0353	No	0.0120J	No	0.0401	No
1-Jun-22	B606UPWIND	7.67	0.038	No	<0.0345	No	0.00974J	No	0.0181J	No
1-Jun-22	12ADOWNWIND	7.58	0.084	No	<0.0349	No	0.0223J	No	0.0588	No
2-Jun-22	B606UPWIND	7.50	0.063	No	<0.0353	No	0.0127J	No	0.0433	No
2-Jun-22	12ADOWNWIND	7.35	0.072	No	<0.0360	No	0.0121J	No	0.0512	No
3-Jun-22	B606UPWIND	7.67	0.029	No	<0.0345J	No	0.00701J	No	0.0226J	No
3-Jun-22	12ADOWNWIND	7.58	0.022	No	<0.0349J	No	<0.0233	No	0.0121J	No
6-Jun-22	B606UPWIND	7.58	0.073	No	<0.0349J	No	<0.0233	No	0.0305J	No
6-Jun-22	12ADOWNWIND	7.50	0.056	No	<0.0353J	No	<0.0235	No	0.0303J	No
7-Jun-22	B606UPWIND	7.50	0.114	No	<0.0353	No	<0.0235	No	0.0469	No
7-Jun-22	12ADOWNWIND	7.42	0.068	No	<0.0357	No	0.00645J	No	0.0409	No
8-Jun-22	B606UPWIND	7.67	0.060	No	<0.0345	No	0.00735J	No	0.0263J	No
8-Jun-22	12ADOWNWIND	7.58	0.056	No	<0.0349	No	0.00840J	No	0.0400	No
9-Jun-22	B606UPWIND	7.67	0.077	No	<0.0345	No	0.00727J	No	0.0437	No
9-Jun-22	12ADOWNWIND	7.58	0.060	No	<0.0349	No	<0.0233	No	0.0358J	No
10-Jun-22	B606UPWIND	7.50	0.065	No	<0.0353	No	0.0112J	No	0.0360J	No
10-Jun-22	12ADOWNWIND	7.42	0.072	No	<0.0357	No	0.00995J	No	0.0469	No
13-Jun-22	B606UPWIND	7.50	0.082	No	<0.0353	No	<0.0235	No	0.0427	No
13-Jun-22	12ADOWNWIND	7.33	0.052	No	<0.0361	No	0.00935J	No	0.0496	No
14-Jun-22	B606UPWIND	7.50	0.067	No	<0.0353	No	0.00641J	No	0.0346J	No
14-Jun-22	12ADOWNWIND	7.42	0.069	No	<0.0357	No	0.0164J	No	0.0436	No
15-Jun-22	B606UPWIND	7.47	0.094	No	<0.0355	No	<0.0236	No	0.0365J	No
15-Jun-22	12ADOWNWIND	7.33	0.124	No	<0.0361	No	0.0128J	No	0.0721	No
16-Jun-22	B606UPWIND	7.47	0.088	No	<0.0355	No	0.00937J	No	0.0754	No
16-Jun-22	12ADOWNWIND	7.25	0.118	No	<0.0365	No	0.0119J	No	0.0994	No
17-Jun-22	B606UPWIND	7.47	0.034	No	<0.0355	No	<0.0236	No	0.0168J	No
17-Jun-22	12ADOWNWIND	7.13	0.036	No	<0.0371	No	<0.0248	No	0.0168J	No
20-Jun-22	B606UPWIND	7.75	0.051	No	<0.0342	No	<0.0228	No	0.0184J	No
20-Jun-22	12ADOWNWIND	7.58	0.036	No	<0.0349	No	<0.0233	No	0.0225J	No
21-Jun-22	B606UPWIND	7.75	0.079	No	<0.0342	No	0.0145J	No	0.0745	No
21-Jun-22	12ADOWNWIND	7.58	0.035	No	<0.0349	No	<0.0233	No	0.0154J	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
22-Jun-22	B606UPWIND	7.67	0.077	No	<0.0345	No	0.00938J	No	0.0347J	No
22-Jun-22	12ADOWNWIND	7.67	0.071	No	<0.0349	No	0.0144J	No	0.0360J	No
23-Jun-22	B606UPWIND	7.58	0.047	No	<0.0349	No	0.00702J	No	0.0245J	No
23-Jun-22	12ADOWNWIND	7.58	0.028	No	<0.0349	No	0.0152J	No	0.0279J	No
24-Jun-22	B606UPWIND	6.37	0.050	No	<0.0416	No	<0.0277	No	0.0475J	No
24-Jun-22	12ADOWNWIND	6.17	0.072	No	<0.0429	No	0.0189J	No	0.0309J	No
27-Jun-22	B606UPWIND	7.75	0.032	No	<0.0342	No	<0.0228	No	0.0150J	No
27-Jun-22	12ADOWNWIND	7.58	0.070	No	<0.0349	No	0.0231J	No	0.0728	No
28-Jun-22	B606UPWIND	7.67	0.082	No	<0.0345	No	0.0117J	No	0.0362J	No
28-Jun-22	12ADOWNWIND	6.42	0.024	No	<0.0413	No	<0.0275	No	0.00926J	No
29-Jun-22	B606UPWIND	7.83	0.053	No	<0.0338	No	0.0107J	No	0.0180J	No
29-Jun-22	12ADOWNWIND	7.53	0.017	No	<0.0352	No	<0.0234	No	0.0174J	No
30-Jun-22	B606UPWIND	7.58	0.036	No	<0.0349	No	<0.0233	No	0.0156J	No
30-Jun-22	12ADOWNWIND	7.42	0.032	No	<0.0357	No	<0.0238	No	0.0124J	No
1-Jul-22	B606UPWIND	6.38	0.032	No	<0.0415	No	<0.0277	No	0.0148J	No
1-Jul-22	12ADOWNWIND	6.25	0.020	No	<0.0424	No	<0.0282	No	0.0220J	No
5-Jul-22	B606UPWIND	6.42	0.019	No	<0.0108	No	<0.00723	No	0.00530J	No
5-Jul-22	12ADOWNWIND	6.25	0.008	No	<0.0108	No	<0.00723	No	0.00602J	No
6-Jul-22	B606UPWIND	7.75	0.023	No	<0.0110	No	<0.00736	No	0.0115J	No
6-Jul-22	12ADOWNWIND	7.47	Note 5	No	<0.0110	No	<0.00736	No	0.0127	No
7-Jul-22	B606UPWIND	7.57	0.037	No	<0.0441	No	<0.0294	No	0.0428J	No
7-Jul-22	12ADOWNWIND	7.37	0.014	No	<0.0441	No	<0.0294	No	0.0229J	No
11-Jul-22	B606UPWIND	6.33	0.0574	No	<0.0418	No	<0.0279	No	0.0455 J	No
11-Jul-22	12ADOWNWIND	6.25	0.0431	No	<0.0424	No	<0.0283	No	0.0324 J	No
12-Jul-22	B606UPWIND	6.33	0.0690	No	<0.0418	No	0.00934 J	No	0.0558	No
12-Jul-22	12ADOWNWIND	6.25	0.0504	No	<0.0424	No	<0.0282	No	0.0502	No
13-Jul-22	B606UPWIND	7.67	0.0405	No	<0.0345	No	<0.0230	No	0.0350 J	No
13-Jul-22	12ADOWNWIND	7.58	0.0675	No	<0.0349	No	<0.0233	No	0.0772	No
14-Jul-22	B606UPWIND	7.76	0.0459	No	<0.0345	No	<0.0230	No	0.0184 J	No
14-Jul-22	12ADOWNWIND	7.58	0.1190	No	<0.0349	No	0.00751 J	No	0.109	No
15-Jul-22	B606UPWIND	7.42	0.0611	No	<0.0357	No	<0.0238	No	0.0323 J	No
15-Jul-22	12ADOWNWIND	7.33	0.1520	No	<0.0361	No	0.0241 J	No	0.119	No
18-Jul-22	B606UPWIND	9.00	0.065	No	<0.0294	No	0.00608 J	No	0.0322J	No
18-Jul-22	12ADOWNWIND	9.00	0.093	No	<0.0294	No	0.00969	No	0.0758	No
19-Jul-22	B606UPWIND	9.00	0.0454	No	<0.0294	No	0.00865	No	0.0264 J	No
19-Jul-22	12ADOWNWIND	9.00	0.0752	No	<0.0294	No	<0.0196	No	0.0639	No
20-Jul-22	B606UPWIND	9.00	0.0407	No	<0.0294	No	0.00579	No	0.0243 J	No
20-Jul-22	12ADOWNWIND	9.00	0.1740	No	<0.0294	No	0.0139	No	0.162	No
21-Jul-22	B606UPWIND	9.00	0.0322	No	<0.0294	No	<0.0196	No	0.0263 J	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
21-Jul-22	12ADOWNWIND	9.00	0.1100	No	<0.0294	No	0.00866	No	0.103	No
25-Jul-22	B606UPWIND	9.00	0.0422	No	<0.0294	No	<0.0196	No	0.0150 J	No
25-Jul-22	12ADOWNWIND	9.00	0.0664	No	<0.0294	No	<0.0196	No	0.0493	No
26-Jul-22	B606UPWIND	9.00	0.0378	No	<0.0294	No	<0.0196	No	0.0214 J	No
26-Jul-22	12ADOWNWIND	9.00	0.0486	No	<0.0294	No	0.00606 J	No	0.0525	No
27-Jul-22	B606UPWIND	9.00	0.0574	No	<0.0294	No	<0.0196	No	0.0471	No
27-Jul-22	12ADOWNWIND	9.00	0.0404	No	<0.0294	No	0.0276	No	0.0216 J	No
28-Jul-22	B606UPWIND	9.00	0.0319	No	<0.0294	No	<0.0196	No	0.0250 J	No
28-Jul-22	12ADOWNWIND	9.00	0.0438	No	<0.0294	No	<0.0196	No	0.0424	No
1-Aug-22	B606UPWIND	10.0	0.0082	No	<0.0294	No	<0.0196	No	0.00782J	No
1-Aug-22	12ADOWNWIND	10.0	0.0397	No	<0.0294	No	0.00959J	No	0.0262J	No
2-Aug-22	B606UPWIND	10.0	0.0515	No	<0.0294	No	0.00932J	No	0.0307J	No
2-Aug-22	12ADOWNWIND	10.0	0.0693	No	<0.0303	No	0.0212	No	0.0518	No
3-Aug-22	B606UPWIND	10.0	0.0598	No	<0.0294	No	<0.0196	No	0.0337	No
3-Aug-22	12ADOWNWIND	10.0	0.0948	No	<0.0303	No	0.0172J	No	0.0843	No
4-Aug-22	B606UPWIND	10.0	0.0829	No	<0.0294	No	0.0124J	No	0.0421	No
4-Aug-22	12ADOWNWIND	10.0	0.1090	No	<0.0303	No	0.0219	No	0.0803	No
8-Aug-22	B606UPWIND	10.0	0.0405	No	<0.0294	No	0.0100J	No	0.0340	No
8-Aug-22	12ADOWNWIND	10.0	0.0674	No	<0.0294	No	0.0193J	No	0.0526	No
9-Aug-22	B606UPWIND	10.0	0.0528	No	<0.0294	No	0.0125J	No	0.0295J	No
9-Aug-22	12ADOWNWIND	10.0	0.0281	No	<0.0294	No	0.0137J	No	0.0525	No
10-Aug-22	B606UPWIND	10.0	0.0695	No	<0.0294	No	0.0109J	No	0.0375	No
10-Aug-22	12ADOWNWIND	10.0	0.1460	No	<0.0294	No	0.0232	No	0.142	No
11-Aug-22	B606UPWIND	10.0	0.0750	No	<0.0294	No	0.0102J	No	0.0346	No
11-Aug-22	12ADOWNWIND	10.0	0.2080	No	<0.0294	No	0.0318	No	0.195	No
15-Aug-22	B606UPWIND	10.0	0.0809	No	<0.0294	No	<0.0196	No	0.0381	No
15-Aug-22	12ADOWNWIND	10.0	0.0626	No	<0.0294	No	0.0137J	No	0.0390	No
16-Aug-22	B606UPWIND	10.0	0.0750	No	<0.0294	No	<0.0196	No	0.0493	No
16-Aug-22	12ADOWNWIND	10.0	0.0809	No	<0.0294	No	0.00654J	No	0.0405	No
17-Aug-22	B606UPWIND	10.0	0.0517	No	<0.0294	No	<0.0196	No	0.0260J	No
17-Aug-22	12ADOWNWIND	10.0	0.0535	No	<0.0294	No	<0.0196	No	0.0411	No
18-Aug-22	B606UPWIND	10.0	0.0539	No	<0.0294	No	0.00884J	No	0.0229J	No
18-Aug-22	12ADOWNWIND	10.0	0.0878	No	<0.0294	No	0.00903J	No	0.0707	No
22-Aug-22	B606UPWIND	10.0	0.0602	No	<0.0294	No	0.00712J	No	0.0361	No
22-Aug-22	12ADOWNWIND	10.0	0.2020	No	<0.0294	No	0.0198	No	0.148	No
23-Aug-22	B606UPWIND	10.0	0.0521	No	<0.0294	No	0.00643J	No	0.0518	No
23-Aug-22	12ADOWNWIND	10.0	0.0639	No	<0.0294	No	0.0112J	No	0.0623	No
24-Aug-22	B606UPWIND	10.0	0.0618	No	<0.0294	No	0.00853J	No	0.0514	No
24-Aug-22	12ADOWNWIND	10.0	0.0472	No	<0.0294	No	0.0171J	No	0.0343	No

Attachment 1, Table 2: TSP and Metals Sampling Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m <sup>3</sup> )	TSP Exceedance? (Yes/No)	Arsenic (µg/m <sup>3</sup> )	Arsenic Exceedance? (Yes/No)	Lead (µg/m <sup>3</sup> )	Lead Exceedance? (Yes/No)	Manganese (µg/m <sup>3</sup> )	Manganese Exceedance? (Yes/No)
25-Aug-22	B606UPWIND	10.0	0.0597	No	<0.0294	No	0.00937J	No	0.0625	No
25-Aug-22	12ADOWNWIND	10.0	0.0566	No	<0.0294	No	0.00913J	No	0.0630	No
29-Aug-22	B606UPWIND	10.0	0.0695	No	<0.0294	No	0.00766J	No	0.0390	No
29-Aug-22	12ADOWNWIND	10.0	0.0938	No	<0.0294	No	0.0217	No	0.0832	No
30-Aug-22	B606UPWIND	10.0	0.0577	No	<0.0294	No	<0.0196	No	0.0249J	No
30-Aug-22	12ADOWNWIND	10.0	0.0638	No	<0.0294	No	0.0222	No	0.0459	No
31-Aug-22	B606UPWIND	10.0	0.0894	No	<0.0294	No	0.00680J	No	0.0557	No
31-Aug-22	12ADOWNWIND	10.0	0.4800	No	<0.0294	No	0.0102J	No	0.0255J	No
1-Sep-22	B606UPWIND	10.0	0.0392	No	<0.0294	No	0.00587J	No	0.0237J	No
1-Sep-22	12ADOWNWIND	10.0	0.0347	No	<0.0294	No	<0.0196	No	0.0237J	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.

Note 4: Sample was damaged by the laboratory. No results reported.

Note 5: TSP filter damaged in the field; Metals analysis still possible, TSP not analyzed

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<sup>3</sup>, arsenic = 10 µg/m<sup>3</sup>, lead = 50 µg/m<sup>3</sup>, manganese = 200 µg/m<sup>3</sup>.

The detection limit for TSP is 0.06 µg/m<sup>3</sup> assuming a minimum sample volume of 1,600 m<sup>3</sup>. The detection limits for arsenic, lead and manganese are 16 ng/m<sup>3</sup> assuming

J - the concentration is an estimated value

µg/m<sup>3</sup> - microgram per cubic meter

mg/m<sup>3</sup> - milligram per cubic meter

N/A - not applicable

ng/m<sup>3</sup> - nanogram per cubic meter

TSP - total suspended particulates

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**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
20-Nov-19	Upwind	9.82	43.7	No
20-Nov-19	Downwind	9.92	29.7	No
21-Nov-19	Upwind	7.47	45.5	No
21-Nov-19	Downwind	7.50	33.4	No
22-Nov-19	Upwind	8.80	5.35	No
22-Nov-19	Downwind	8.75	38.8	No
25-Nov-19	Upwind	8.87	31.3	No
25-Nov-19	Downwind	8.72	24.1	No
26-Nov-19	Upwind	7.35	23.1	No
26-Nov-19	Downwind	7.48	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	4.25	3.960	No
9-Dec-19	Downwind	4.08	<0.06	No
10-Dec-19	Upwind	9.42	4.3	No
10-Dec-19	Downwind	9.43	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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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	7.55	<0.06	No
23-Dec-19	Downwind	7.50	<0.06	No
24-Dec-19	Upwind	6.80	<0.06	No
24-Dec-19	Downwind	6.90	<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	7.43	<0.06	No
26-Dec-19	Downwind	7.45	<0.06	No
27-Dec-19	Upwind	7.52	<0.06	No
27-Dec-19	Downwind	7.67	<0.06	No
30-Dec-19	Upwind	7.32	<0.06	No
30-Dec-19	Downwind	7.35	<0.06	No
31-Dec-19	Upwind	7.07	<0.06	No
31-Dec-19	Downwind	7.13	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	7.62	<0.06	No
3-Jan-20	Downwind	7.62	18.5	No
6-Jan-20	Upwind	7.65	<0.06	No
6-Jan-20	Downwind	7.60	9.2	No
7-Jan-20	Upwind	7.90	10.4	No
7-Jan-20	Downwind	8.00	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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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	7.17	<0.06	No
11-Feb-20	Downwind	7.22	21.7	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
12-Feb-20	Upwind	5.48	<0.06	No
12-Feb-20	Downwind	5.63	<0.06	No
13-Feb-20	Upwind	5.25	25.0	No
13-Feb-20	Downwind	5.10	<0.06	No
14-Feb-20	Upwind	7.77	<0.06	No
14-Feb-20	Downwind	7.70	<0.06	No
17-Feb-20	Upwind	7.67	<0.06	No
17-Feb-20	Downwind	7.65	<0.06	No
18-Feb-20	Upwind	6.97	<0.06	No
18-Feb-20	Downwind	7.10	14.0	No
19-Feb-20	Upwind	3.82	<0.06	No
19-Feb-20	Downwind	3.85	<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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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	9.50	<0.06	No
29-Apr-20	Downwind	9.40	13.9	No
30-Apr-20	Upwind	9.48	5.6	No
30-Apr-20	Downwind	9.63	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	9.58	15.4	No
4-May-20	Downwind	9.55	27.1	No
5-May-20	Upwind	9.48	10.5	No
5-May-20	Downwind	9.43	26.8	No



**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
6-May-20	Upwind	9.57	11.1	No
6-May-20	Downwind	9.52	33.7	No
7-May-20	Upwind	9.43	22.6	No
7-May-20	Downwind	9.47	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	9.70	9.4	No
11-May-20	Downwind	9.57	17.4	No
12-May-20	Upwind	9.57	6.8	No
12-May-20	Downwind	9.55	13.1	No
13-May-20	Upwind	9.62	7.7	No
13-May-20	Downwind	9.53	10.8	No
14-May-20	Upwind	9.48	5.9	No
14-May-20	Downwind	9.50	10.4	No
15-May-20	Upwind	9.42	10.6	No
15-May-20	Downwind	9.42	13.7	No
18-May-20	Upwind	9.70	5.9	No
18-May-20	Downwind	9.65	14.9	No
19-May-20	Upwind	9.60	11.0	No
19-May-20	Downwind	9.57	6.5	No
20-May-20	Upwind	9.57	11.7	No
20-May-20	Downwind	9.53	19.0	No
21-May-20	Upwind	9.63	14.8	No
21-May-20	Downwind	9.68	22.0	No
22-May-20	Upwind	9.48	4.8	No
22-May-20	Downwind	9.52	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	9.70	20.9	No
26-May-20	Downwind	9.57	40.1	No
27-May-20	Upwind	9.57	28.8	No
27-May-20	Downwind	9.55	40.5	No
28-May-20	Upwind	9.62	14.1	No
28-May-20	Downwind	9.53	22.5	No
29-May-20	Upwind	9.48	15.5	No
29-May-20	Downwind	9.50	15.3	No
1-Jun-20	Upwind	7.53	24.4	No
1-Jun-20	Downwind	7.40	30.8	No
2-Jun-20	Upwind	7.60	32.9	No
2-Jun-20	Downwind	7.63	45.9	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
3-Jun-20	Upwind	7.63	49.1	No
3-Jun-20	Downwind	7.57	75.2	No
4-Jun-20	Upwind	8.58	49.9	No
4-Jun-20	Downwind	7.58	86.7	No
5-Jun-20	Upwind	7.48	31.5	No
5-Jun-20	Downwind	7.55	32.3	No
8-Jun-20	Upwind	9.78	20.0	No
8-Jun-20	Downwind	9.73	25.7	No
9-Jun-20	Upwind	9.73	28.3	No
9-Jun-20	Downwind	9.77	35.7	No
10-Jun-20	Upwind	9.72	26.0	No
10-Jun-20	Downwind	9.78	35.0	No
11-Jun-20	Upwind	9.75	24.8	No
11-Jun-20	Downwind	9.80	32.7	No
12-Jun-20	Upwind	9.63	20.9	No
12-Jun-20	Downwind	9.75	22.0	No
13-Jun-20	Upwind	9.50	20.8	No
13-Jun-20	Downwind	9.58	17.3	No
15-Jun-20	Upwind	9.68	27.8	No
15-Jun-20	Downwind	9.67	31.7	No
16-Jun-20	Upwind	9.78	27.4	No
16-Jun-20	Downwind	9.78	31.7	No
17-Jun-20	Upwind	9.62	33.4	No
17-Jun-20	Downwind	9.65	37.7	No
18-Jun-20	Upwind	9.65	50.3	No
18-Jun-20	Downwind	9.65	68.5	No
19-Jun-20	Upwind	9.75	32.3	No
19-Jun-20	Downwind	9.75	40.6	No
20-Jun-20	Upwind	9.78	23.8	No
20-Jun-20	Downwind	9.75	24.7	No
22-Jun-20	Upwind	9.58	34.5	No
22-Jun-20	Downwind	9.65	43.3	No
23-Jun-20	Upwind	9.68	27.3	No
23-Jun-20	Downwind	9.68	33.7	No
24-Jun-20	Upwind	9.70	28.8	No
24-Jun-20	Downwind	9.67	35.6	No
25-Jun-20	Upwind	9.72	27.3	No
25-Jun-20	Downwind	9.73	30.4	No
26-Jun-20	Upwind	9.60	32.8	No
26-Jun-20	Downwind	9.72	36.8	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
27-Jun-20	Upwind	9.73	21.2	No
27-Jun-20	Downwind	9.52	24.0	No
29-Jun-20	Upwind	9.52	41.9	No
29-Jun-20	Downwind	9.62	49.6	No
30-Jun-20	Upwind	9.08	42.9	No
30-Jun-20	Downwind	9.05	100	No
1-Jul-20	Upwind	9.25	55.7	No
1-Jul-20	Downwind	9.25	40.7	No
2-Jul-20	Upwind	9.58	25.9	No
2-Jul-20	Downwind	9.33	26.8	No
6-Jul-20	Upwind	9.08	31.4	No
6-Jul-20	Downwind	9.08	43.1	No
7-Jul-20	Upwind	9.67	29.0	No
7-Jul-20	Downwind	9.65	32.0	No
8-Jul-20	Upwind	9.83	33.7	No
8-Jul-20	Downwind	9.48	32.5	No
9-Jul-20	Upwind	9.42	29.8	No
9-Jul-20	Downwind	9.42	42.5	No
10-Jul-20	Upwind	9.25	10.5	No
10-Jul-20	Downwind	9.15	23.2	No
13-Jul-20	Upwind	6.33	54.3	No
13-Jul-20	Downwind	8.42	168	No
14-Jul-20	Upwind	9.08	62.4	No
14-Jul-20	Downwind	8.83	44.8	No
15-Jul-20	Upwind	9.33	40.2	No
15-Jul-20	Downwind	8.83	39.4	No
16-Jul-20	Upwind	9.08	35.5	No
16-Jul-20	Downwind	8.92	33.0	No
17-Jul-20	Upwind	9.58	28.6	No
17-Jul-20	Downwind	9.25	26.2	No
20-Jul-20	Upwind	9.33	25.4	No
20-Jul-20	Downwind	8.92	23.6	No
21-Jul-20	Upwind	9.47	23.7	No
21-Jul-20	Downwind	9.08	25.9	No
22-Jul-20	Upwind	8.55	13.2	No
22-Jul-20	Downwind	9.08	26.1	No
23-Jul-20	Upwind	9.67	14.4	No
23-Jul-20	Downwind	9.42	30.5	No
24-Jul-20	Upwind	9.77	13.7	No
24-Jul-20	Downwind	9.32	37.5	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
27-Jul-20	Upwind	9.75	17.3	No
27-Jul-20	Downwind	9.35	31.3	No
28-Jul-20	Upwind	9.72	16.1	No
28-Jul-20	Downwind	9.42	27.5	No
29-Jul-20	Upwind	9.73	15.9	No
29-Jul-20	Downwind	9.43	26.1	No
30-Jul-20	Upwind	9.75	15.0	No
30-Jul-20	Downwind	9.42	23.7	No
31-Jul-20	Upwind	9.65	15.0	No
31-Jul-20	Downwind	9.30	26.4	No
3-Aug-20	Upwind	9.67	127	No
3-Aug-20	Downwind	9.33	19.9	No
4-Aug-20	Upwind	9.53	34.4	No
4-Aug-20	Downwind	9.22	39.4	No
5-Aug-20	Upwind	9.65	39.9	No
5-Aug-20	Downwind	9.25	41.8	No
6-Aug-20	Upwind	9.65	32.5	No
6-Aug-20	Downwind	9.32	42.3	No
7-Aug-20	Upwind	9.58	49.1	No
7-Aug-20	Downwind	9.25	65.2	No
10-Aug-20	Upwind	8.77	127.0	No
10-Aug-20	Downwind	8.45	19.9	No
11-Aug-20	Upwind	9.75	34.4	No
11-Aug-20	Downwind	9.40	39.4	No
12-Aug-20	Upwind	9.75	39.9	No
12-Aug-20	Downwind	9.42	41.8	No
13-Aug-20	Upwind	9.78	32.5	No
13-Aug-20	Downwind	9.45	42.3	No
14-Aug-20	Upwind	9.75	49.1	No
14-Aug-20	Downwind	9.42	65.2	No
17-Aug-20	Upwind	4.93	28.3	No
17-Aug-20	Downwind	4.68	33.0	No
18-Aug-20	Upwind	8.17	14.6	No
18-Aug-20	Downwind	7.83	28.9	No
19-Aug-20	Upwind	10.67	20.7	No
19-Aug-20	Downwind	10.33	66.4	No
20-Aug-20	Upwind	10.67	13.1	No
20-Aug-20	Downwind	10.33	15.9	No
21-Aug-20	Upwind	10.68	20.2	No
21-Aug-20	Downwind	10.38	46.3	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
24-Aug-20	Upwind	7.42	37.3	No
24-Aug-20	Downwind	7.47	64.6	No
25-Aug-20	Upwind	7.62	32.1	No
25-Aug-20	Downwind	8.28	58.4	No
26-Aug-20	Upwind	9.65	16.5	No
26-Aug-20	Downwind	9.35	19.5	No
27-Aug-20	Upwind	7.60	27.9	No
27-Aug-20	Downwind	7.18	24.8	No
28-Aug-20	Upwind	9.78	67.4	No
28-Aug-20	Downwind	9.40	98.1	No
31-Aug-20	Upwind	8.78	44.2	No
31-Aug-20	Downwind	8.43	62.5	No
1-Sep-20	Upwind	7.85	46.7	No
1-Sep-20	Downwind	8.40	54.1	No
2-Sep-20	Upwind	8.83	19.3	No
2-Sep-20	Downwind	8.45	28.2	No
3-Sep-20	Upwind	8.43	21.6	No
3-Sep-20	Downwind	8.00	37.0	No
4-Sep-20	Upwind	10.07	20.9	No
4-Sep-20	Downwind	9.82	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	9.78	49.5	No
8-Sep-20	Downwind	9.48	94.5	No
9-Sep-20	Upwind	5.42	58.9	No
9-Sep-20	Downwind	5.08	95.2	No
10-Sep-20	Upwind	7.55	20.5	No
10-Sep-20	Downwind	7.20	157	No
11-Sep-20	Upwind	8.17	141	No
11-Sep-20	Downwind	7.83	237	No
14-Sep-20	Upwind	7.08	72.9	No
14-Sep-20	Downwind	7.08	137	No
15-Sep-20	Upwind	6.75	49.3	No
15-Sep-20	Downwind	7.00	38.0	No
16-Sep-20	Upwind	7.50	13.7	No
16-Sep-20	Downwind	7.50	19.2	No
17-Sep-20	Upwind	7.38	9.57	No
17-Sep-20	Downwind	7.08	21.7	No
18-Sep-20	Upwind	9.70	9.56	No
18-Sep-20	Downwind	9.40	15.1	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
21-Sep-20	Upwind	9.72	23.2	No
21-Sep-20	Downwind	9.27	42.2	No
22-Sep-20	Upwind	9.58	21.0	No
22-Sep-20	Downwind	9.20	10.2	No
23-Sep-20	Upwind	9.68	11.7	No
23-Sep-20	Downwind	9.37	19.6	No
24-Sep-20	Upwind	9.38	53.5	No
24-Sep-20	Downwind	9.08	50.0	No
25-Sep-20	Upwind	9.62	<4.59	No
25-Sep-20	Downwind	9.32	36.1	No
28-Sep-20	Upwind	7.63	24.1	No
28-Sep-20	Downwind	7.58	52.6	No
29-Sep-20	Upwind	7.58	6.40	No
29-Sep-20	Downwind	7.20	12.3	No
30-Sep-20	Upwind	7.68	16.9	No
30-Sep-20	Downwind	7.37	12.4	No
1-Oct-20	Upwind	7.38	40.1	No
1-Oct-20	Downwind	7.08	69.2	No
2-Oct-20	Upwind	7.45	58.3	No
2-Oct-20	Downwind	7.48	87.3	No
5-Oct-20	Upwind	7.50	17.1	No
5-Oct-20	Downwind	7.33	21.5	No
6-Oct-20	Upwind	7.38	13.6	No
6-Oct-20	Downwind	7.25	20.5	No
7-Oct-20	Upwind	6.98	32.9	No
7-Oct-20	Downwind	6.52	52.6	No
8-Oct-20	Upwind	7.12	24.6	No
8-Oct-20	Downwind	7.03	52.8	No
9-Oct-20	Upwind	7.70	<5.73	No
9-Oct-20	Downwind	7.50	<5.88	No
12-Oct-20	Upwind	7.45	12.8	No
12-Oct-20	Downwind	7.48	25.1	No
13-Oct-20	Upwind	7.57	21.2	No
13-Oct-20	Downwind	7.57	<5.83	No
14-Oct-20	Upwind	7.52	15.5	No
14-Oct-20	Downwind	7.50	65.8	No
15-Oct-20	Upwind	7.57	42.2	No
15-Oct-20	Downwind	7.57	193	No
16-Oct-20	Upwind	7.77	43.4	No
16-Oct-20	Downwind	7.52	37.6	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
19-Oct-20	Upwind	7.85	21.7	No
19-Oct-20	Downwind	7.55	27.0	No
20-Oct-20	Upwind	7.75	34.4	No
20-Oct-20	Downwind	7.42	25.4	No
21-Oct-20	Upwind	19.10	39.1	No
21-Oct-20	Downwind	19.07	40.4	No
22-Oct-20	Upwind	18.00	27.0	No
22-Oct-20	Downwind	17.98	33.5	No
23-Oct-20	Upwind	17.40	30.6	No
23-Oct-20	Downwind	17.38	35.4	No
24-Oct-20	Upwind	4.17	37.4	No
24-Oct-20	Downwind	5.17	19.6	No
26-Oct-20	Upwind	7.58	81.7	No
26-Oct-20	Downwind	7.25	47.3	No
27-Oct-20	Upwind	7.73	67.0	No
27-Oct-20	Downwind	7.33	20.5	No
28-Oct-20	Upwind	7.73	127.0	No
28-Oct-20	Downwind	7.42	76.6	No
29-Oct-20	Upwind	12.52	71.2	No
29-Oct-20	Downwind	12.32	47.4	No
30-Oct-20	Upwind	17.25	24.9	No
30-Oct-20	Downwind	17.18	19.4	No
31-Oct-20	Upwind	7.67	37.6	No
31-Oct-20	Downwind	7.67	25.5	No
2-Nov-20	Upwind	15.45	67.2	No
2-Nov-20	Downwind	15.43	32.4	No
3-Nov-20	Upwind	17.35	13.1	No
3-Nov-20	Downwind	17.38	5.67	No
4-Nov-20	Upwind	18.30	21.8	No
4-Nov-20	Downwind	18.25	11.3	No
5-Nov-20	Upwind	19.28	22.1	No
5-Nov-20	Downwind	19.27	21.6	No
6-Nov-20	Upwind	17.25	33.1	No
6-Nov-20	Downwind	20.17	21.0	No
7-Nov-20	Upwind	21.25	20.4	No
7-Nov-20	Downwind	21.25	25.9	No
9-Nov-20	Upwind	12.35	17.6	No
9-Nov-20	Downwind	12.33	10.4	No
10-Nov-20	Upwind	12.25	29.9	No
10-Nov-20	Downwind	12.20	20.3	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
11-Nov-20	Upwind	12.42	26.0	No
11-Nov-20	Downwind	12.37	20.7	No
12-Nov-20	Upwind	12.37	31.5	No
12-Nov-20	Downwind	12.33	29.5	No
13-Nov-20	Upwind	6.25	13.8	No
13-Nov-20	Downwind	5.92	10.9	No
14-Nov-20	Upwind	12.50	12.8	No
14-Nov-20	Downwind	12.50	14.2	No
16-Nov-20	Upwind	7.55	54.0	No
16-Nov-20	Downwind	7.13	71.4	No
17-Nov-20	Upwind	2.58	137	No
17-Nov-20	Downwind	3.40	70.6	No
18-Nov-20	Upwind	16.48	15.4	No
18-Nov-20	Downwind	16.73	18.6	No
19-Nov-20	Upwind	18.92	13.2	No
19-Nov-20	Downwind	18.80	37.3	No
20-Nov-20	Upwind	18.75	17.9	No
20-Nov-20	Downwind	18.67	38.6	No
21-Nov-20	Upwind	18.17	16.4	No
21-Nov-20	Downwind	18.13	35.9	No
23-Nov-20	Upwind	7.33	7.00	No
23-Nov-20	Downwind	7.33	8.83	No
24-Nov-20	Upwind	6.77	18.3	No
24-Nov-20	Downwind	6.82	13.4	No
25-Nov-20	Upwind	7.47	8.08	No
25-Nov-20	Downwind	7.37	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	14.38	39.2	No
30-Nov-20	Downwind	14.33	24.3	No
1-Dec-20	Upwind	15.83	35.4	No
1-Dec-20	Downwind	15.83	19.5	No
2-Dec-20	Upwind	15.92	65.8	No
2-Dec-20	Downwind	15.83	28.2	No
3-Dec-20	Upwind	16.58	54.0	No
3-Dec-20	Downwind	16.60	105	No
4-Dec-20	Upwind	16.75	80.1	No
4-Dec-20	Downwind	16.53	61.8	No



**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
5-Dec-20	Upwind	8.07	58.7	No
5-Dec-20	Downwind	7.80	34.3	No
7-Dec-20	Upwind	7.55	43.1	No
7-Dec-20	Downwind	7.55	21.8	No
8-Dec-20	Upwind	7.37	57.5	No
8-Dec-20	Downwind	7.33	19.9	No
9-Dec-20	Upwind	7.42	123	No
9-Dec-20	Downwind	7.42	53.8	No
10-Dec-20	Upwind	7.42	61.1	No
10-Dec-20	Downwind	7.42	31.3	No
11-Dec-20	Upwind	7.25	14.8	No
11-Dec-20	Downwind	7.17	58.7	No
14-Dec-20	Upwind	7.38	5.98	No
14-Dec-20	Downwind	7.32	6.03	No
15-Dec-20	Upwind	6.90	10.0	No
15-Dec-20	Downwind	6.78	6.51	No
16-Dec-20	Upwind	7.25	22.9	No
16-Dec-20	Downwind	7.10	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	7.83	5.63	No
18-Dec-20	Downwind	7.50	7.24	No
21-Dec-20	Upwind	7.38	20.7	No
21-Dec-20	Downwind	6.35	11.8	No
22-Dec-20	Upwind	7.32	6.03	No
22-Dec-20	Downwind	7.20	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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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	5.80	35.8	No
9-Feb-21	Downwind	5.80	11.0	No
10-Feb-21	Upwind	6.20	<7.16	No
10-Feb-21	Downwind	6.50	<6.84	No
11-Feb-21	Upwind	4.40	10.3	No
11-Feb-21	Downwind	4.70	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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
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	6.60	43.7	No
22-Jul-21	Downwind	6.58	50.1	No
23-Jul-21	Upwind	8.70	47.0	No
23-Jul-21	Downwind	8.67	52.6	No
24-Jul-21	Upwind	3.30	47.7	No
24-Jul-21	Downwind	2.87	50.3	No
26-Jul-21	Upwind	6.75	29.0	No
26-Jul-21	Downwind	6.83	32.9	No
27-Jul-21	Upwind	7.43	35.2	No
27-Jul-21	Downwind	7.33	47.0	No
28-Jul-21	Upwind	7.42	19.0	No
28-Jul-21	Downwind	7.42	32.1	No
29-Jul-21	Upwind	7.23	31.5	No
29-Jul-21	Downwind	7.17	26.5	No
30-Jul-21	Upwind	7.13	7.63	No
30-Jul-21	Downwind	7.00	41.6	No
2-Aug-21	Upwind	7.20	10.0	No
2-Aug-21	Downwind	6.88	10.9	No
3-Aug-21	Upwind	7.33	11.0	No
3-Aug-21	Downwind	7.33	13.8	No
4-Aug-21	Upwind	7.40	13.9	No
4-Aug-21	Downwind	7.42	15.3	No
5-Aug-21	Upwind	7.37	11.8	No
5-Aug-21	Downwind	7.38	14.1	No
6-Aug-21	Upwind	7.97	24.9	No
6-Aug-21	Downwind	7.00	21.9	No
9-Aug-21	Upwind	7.33	28.5	No
9-Aug-21	Downwind	7.25	19.7	No
10-Aug-21	Upwind	7.33	40.7	No
10-Aug-21	Downwind	7.33	26.7	No
11-Aug-21	Upwind	7.33	21.7	No
11-Aug-21	Downwind	7.33	24.7	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
12-Aug-21	Upwind	7.25	25.4	No
12-Aug-21	Downwind	7.28	30.7	No
13-Aug-21	Upwind	7.58	14.9	No
13-Aug-21	Downwind	7.12	11.8	No
16-Aug-21	Upwind	7.50	40.8	No
16-Aug-21	Downwind	7.17	37.6	No
17-Aug-21	Upwind	7.37	39.1	No
17-Aug-21	Downwind	7.42	23.2	No
18-Aug-21	Upwind	7.32	58.3	No
18-Aug-21	Downwind	7.33	45.5	No
19-Aug-21	Upwind	7.67	45.5	No
19-Aug-21	Downwind	7.17	48.0	No
20-Aug-21	Upwind	7.48	44.6	No
20-Aug-21	Downwind	7.57	14.6	No
23-Aug-21	Upwind	7.20	24.7	No
23-Aug-21	Downwind	7.60	20.3	No
24-Aug-21	Upwind	7.08	30.3	No
24-Aug-21	Downwind	7.53	28.9	No
25-Aug-21	Upwind	7.67	53.3	No
25-Aug-21	Downwind	7.70	24.6	No
26-Aug-21	Upwind	7.58	38.6	No
26-Aug-21	Downwind	7.62	29.0	No
27-Aug-21	Upwind	7.33	57.4	No
27-Aug-21	Downwind	7.75	46.9	No
30-Aug-21	Upwind	9.58	46.1	No
30-Aug-21	Downwind	9.42	28.0	No
31-Aug-21	Upwind	9.73	66.1	No
31-Aug-21	Downwind	9.58	38.1	No
1-Sep-21	Upwind	9.48	57.7	No
1-Sep-21	Downwind	9.75	26.0	No
2-Sep-21	Upwind	9.45	53.2	No
2-Sep-21	Downwind	9.72	44.4	No
3-Sep-21	Upwind	7.50	44.7	No
3-Sep-21	Downwind	7.05	35.5	No
7-Sep-21	Upwind	7.42	20.4	No
7-Sep-21	Downwind	7.67	14.2	No
8-Sep-21	Upwind	7.42	20.0	No
8-Sep-21	Downwind	7.50	18.2	No
9-Sep-21	Upwind	7.30	26.4	No
9-Sep-21	Downwind	7.38	22.1	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
10-Sep-21	Upwind	9.42	9.06	No
10-Sep-21	Downwind	9.68	6.38	No
13-Sep-21	Upwind	9.53	49.8	No
13-Sep-21	Downwind	9.78	48.6	No
14-Sep-21	Upwind	9.53	35.3	No
14-Sep-21	Downwind	9.78	40.2	No
15-Sep-21	Upwind	9.53	41.4	No
15-Sep-21	Downwind	9.75	51.8	No
16-Sep-21	Upwind	9.50	32.5	No
16-Sep-21	Downwind	9.73	35.7	No
17-Sep-21	Upwind	9.42	39.1	No
17-Sep-21	Downwind	9.55	31.9	No
20-Sep-21	Upwind	9.50	33.0	No
20-Sep-21	Downwind	9.68	23.2	No
21-Sep-21	Upwind	9.45	56.5	No
21-Sep-21	Downwind	9.70	58.9	No
22-Sep-21	Upwind	9.50	28.2	No
22-Sep-21	Downwind	9.72	38.9	No
23-Sep-21	Upwind	9.50	35.6	No
23-Sep-21	Downwind	9.75	39.2	No
24-Sep-21	Upwind	9.52	21.3	No
24-Sep-21	Downwind	9.77	30.9	No
27-Sep-21	Upwind	9.42	21.4	No
27-Sep-21	Downwind	9.72	5.30	No
28-Sep-21	Upwind	9.43	26.2	No
28-Sep-21	Downwind	9.72	22.6	No
29-Sep-21	Upwind	9.48	31.2	No
29-Sep-21	Downwind	9.72	22.7	No
30-Sep-21	Upwind	9.47	40.1	No
30-Sep-21	Downwind	9.73	30.1	No
1-Oct-21	Upwind	9.52	31.1	No
1-Oct-21	Downwind	9.75	29.7	No
4-Oct-21	Upwind	9.42	37.3	No
4-Oct-21	Downwind	9.63	37.3	No
5-Oct-21	Upwind	7.55	30.4	No
5-Oct-21	Downwind	7.70	24.3	No
6-Oct-21	Upwind	7.50	24.1	No
6-Oct-21	Downwind	7.90	21.8	No
7-Oct-21	Upwind	7.62	34.6	No
7-Oct-21	Downwind	7.70	25.2	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
8-Oct-21	Upwind	7.42	30.9	No
8-Oct-21	Downwind	7.83	51.1	No
11-Oct-21	Upwind	8.67	26.5	No
11-Oct-21	Downwind	9.00	33.3	No
12-Oct-21	Upwind	24.03	26.7	No
12-Oct-21	Downwind	24.03	36.5	No
13-Oct-21	Upwind	14.55	11.5	No
13-Oct-21	Downwind	14.08	22.3	No
14-Oct-21	Upwind	14.28	22.7	No
14-Oct-21	Downwind	13.83	30.4	No
15-Oct-21	Upwind	7.50	31.6	No
15-Oct-21	Downwind	12.00	32.2	No
18-Oct-21	Upwind	13.40	20.3	No
18-Oct-21	Downwind	12.70	87.7	No
19-Oct-21	Upwind	12.20	29.2	No
19-Oct-21	Downwind	12.40	20.5	No
20-Oct-21	Upwind	2.37	<18.6	No
20-Oct-21	Downwind	2.20	<20.1	No
21-Oct-21	Upwind	Note 1	Note 1	Note 1
21-Oct-21	Downwind	Note 1	Note 1	Note 1
22-Oct-21	Upwind	Note 1	Note 1	Note 1
22-Oct-21	Downwind	Note 1	Note 1	Note 1
25-Oct-21	Upwind	Note 1	Note 1	Note 1
25-Oct-21	Downwind	Note 1	Note 1	Note 1
26-Oct-21	Upwind	Note 1	Note 1	Note 1
26-Oct-21	Downwind	Note 1	Note 1	Note 1
27-Oct-21	Upwind	3.20	24.8	No
27-Oct-21	Downwind	3.00	35.8	No
28-Oct-21	Upwind	5.52	17.9	No
28-Oct-21	Downwind	5.17	14.8	No
29-Oct-21	Upwind	7.75	30.6	No
29-Oct-21	Downwind	7.42	26.2	No
1-Nov-21	Upwind	7.10	11.2	No
1-Nov-21	Downwind	7.20	17.8	No
2-Nov-21	Upwind	7.40	11.1	No
2-Nov-21	Downwind	7.70	7.8	No
3-Nov-21	Upwind	8.17	35.7	No
3-Nov-21	Downwind	8.70	30.9	No
4-Nov-21	Upwind	8.70	48.1	No
4-Nov-21	Downwind	8.60	53.7	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
5-Nov-21	Upwind	7.72	30.5	No
5-Nov-21	Downwind	7.37	40.1	No
8-Nov-21	Upwind	7.58	51.2	No
8-Nov-21	Downwind	7.25	12.2	No
9-Nov-21	Upwind	Note 1	Note 1	Note 1
9-Nov-21	Downwind	Note 1	Note 1	Note 1
10-Nov-21	Upwind	Note 1	Note 1	Note 1
10-Nov-21	Downwind	Note 1	Note 1	Note 1
11-Nov-21	Upwind	7.28	34.1	No
11-Nov-21	Downwind	6.85	19.3	No
12-Nov-21	Upwind	7.27	39.5	No
12-Nov-21	Downwind	6.82	19.6	No
15-Nov-21	Upwind	7.33	60.6	No
15-Nov-21	Downwind	7.42	30.0	No
16-Nov-21	Upwind	7.50	31.8	No
16-Nov-21	Downwind	7.50	17.9	No
17-Nov-21	Upwind	7.25	36.9	No
17-Nov-21	Downwind	7.58	26.8	No
18-Nov-21	Upwind	7.68	47.9	No
18-Nov-21	Downwind	7.70	41.8	No
19-Nov-21	Upwind	7.15	24.5	No
19-Nov-21	Downwind	7.05	23.0	No
20-Nov-21	Upwind	7.33	7.02	No
20-Nov-21	Downwind	7.08	7.06	No
22-Nov-21	Upwind	7.42	27.0	No
22-Nov-21	Downwind	7.42	15.5	No
23-Nov-21	Upwind	9.40	22.4	No
23-Nov-21	Downwind	9.10	18.3	No
24-Nov-21	Upwind	7.30	16.1	No
24-Nov-21	Downwind	7.10	11.2	No
25-Nov-21	Upwind	Note 2	Note 2	Note 2
25-Nov-21	Downwind	Note 2	Note 2	Note 2
26-Nov-21	Upwind	Note 2	Note 2	Note 2
26-Nov-21	Downwind	Note 2	Note 2	Note 2
29-Nov-21	Upwind	6.10	49.2	No
29-Nov-21	Downwind	5.50	35.0	No
30-Nov-21	Upwind	7.42	37.1	No
30-Nov-21	Downwind	7.42	29.4	No
1-Dec-21	Upwind	7.53	54.5	No
1-Dec-21	Downwind	7.50	37.1	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
2-Dec-21	Upwind	7.50	78.3	No
2-Dec-21	Downwind	7.50	58.1	No
3-Dec-21	Upwind	7.25	32.1	No
3-Dec-21	Downwind	7.83	24.2	No
4-Dec-21	Upwind	14.08	14.8	No
4-Dec-21	Downwind	13.95	14.8	No
6-Dec-21	Upwind	15.08	44.3	No
6-Dec-21	Downwind	15.25	32.3	No
7-Dec-21	Upwind	16.37	18.8	No
7-Dec-21	Downwind	16.17	15.4	No
8-Dec-21	Upwind	16.12	8.1	No
8-Dec-21	Downwind	16.00	7.7	No
9-Dec-21	Upwind	17.72	21.8	No
9-Dec-21	Downwind	17.88	18.3	No
10-Dec-21	Upwind	17.12	22.4	No
10-Dec-21	Downwind	16.88	23.1	No
11-Dec-21	Upwind	12.00	25.6	No
11-Dec-21	Downwind	12.00	19.4	No
13-Dec-21	Upwind	Note 3	Note 3	Note 3
13-Dec-21	Downwind	Note 3	Note 3	Note 3
14-Dec-21	Upwind	Note 3	Note 3	Note 3
14-Dec-21	Downwind	Note 3	Note 3	Note 3
15-Dec-21	Upwind	Note 3	Note 3	Note 3
15-Dec-21	Downwind	Note 3	Note 3	Note 3
16-Dec-21	Upwind	Note 3	Note 3	Note 3
16-Dec-21	Downwind	Note 3	Note 3	Note 3
17-Dec-21	Upwind	Note 3	Note 3	Note 3
17-Dec-21	Downwind	Note 3	Note 3	Note 3
20-Dec-21	Upwind	Note 3	Note 3	Note 3
20-Dec-21	Downwind	Note 3	Note 3	Note 3
21-Dec-21	Upwind	Note 3	Note 3	Note 3
21-Dec-21	Downwind	Note 3	Note 3	Note 3
22-Dec-21	Upwind	Note 3	Note 3	Note 3
22-Dec-21	Downwind	Note 3	Note 3	Note 3
23-Dec-21	Upwind	Note 3	Note 3	Note 3
23-Dec-21	Downwind	Note 3	Note 3	Note 3
24-Dec-21	Upwind	Note 3	Note 3	Note 3
24-Dec-21	Downwind	Note 3	Note 3	Note 3
27-Dec-21	Upwind	Note 3	Note 3	Note 3
27-Dec-21	Downwind	Note 3	Note 3	Note 3

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
28-Dec-21	Upwind	Note 3	Note 3	Note 3
28-Dec-21	Downwind	Note 3	Note 3	Note 3
29-Dec-21	Upwind	Note 3	Note 3	Note 3
29-Dec-21	Downwind	Note 3	Note 3	Note 3
30-Dec-21	Upwind	Note 3	Note 3	Note 3
30-Dec-21	Downwind	Note 3	Note 3	Note 3
31-Dec-21	Upwind	Note 3	Note 3	Note 3
31-Dec-21	Downwind	Note 3	Note 3	Note 3
3-Jan-22	Upwind	Note 3	Note 3	Note 3
3-Jan-22	Downwind	Note 3	Note 3	Note 3
4-Jan-22	Upwind	Note 3	Note 3	Note 3
4-Jan-22	Downwind	Note 3	Note 3	Note 3
5-Jan-22	Upwind	Note 3	Note 3	Note 3
5-Jan-22	Downwind	Note 3	Note 3	Note 3
6-Jan-22	Upwind	Note 3	Note 3	Note 3
6-Jan-22	Downwind	Note 3	Note 3	Note 3
7-Jan-22	Upwind	Note 3	Note 3	Note 3
7-Jan-22	Downwind	Note 3	Note 3	Note 3
10-Jan-22	Upwind	Note 3	Note 3	Note 3
10-Jan-22	Downwind	Note 3	Note 3	Note 3
11-Jan-22	Upwind	7.13	23.7	No
11-Jan-22	Downwind	7.33	18.1	No
12-Jan-22	Upwind	7.55	29.6	No
12-Jan-22	Downwind	7.78	19.3	No
13-Jan-22	Upwind	7.07	36.9	No
13-Jan-22	Downwind	7.07	29.4	No
14-Jan-22	Upwind	7.72	21.0	No
14-Jan-22	Downwind	8.00	16.9	No
17-Jan-22	Upwind	Note 2	Note 2	Note 2
17-Jan-22	Downwind	Note 2	Note 2	Note 2
18-Jan-22	Upwind	7.62	18.2	No
18-Jan-22	Downwind	7.17	14.4	No
19-Jan-22	Upwind	7.58	11.4	No
19-Jan-22	Downwind	7.47	10.8	No
20-Jan-22	Upwind	7.58	11.1	No
20-Jan-22	Downwind	7.22	9.99	No
21-Jan-22	Upwind	7.83	24.4	No
21-Jan-22	Downwind	7.42	15.5	No
24-Jan-22	Upwind	7.85	42.2	No
24-Jan-22	Downwind	7.42	29.2	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
25-Jan-22	Upwind	7.87	27.5	No
25-Jan-22	Downwind	7.33	19.9	No
26-Jan-22	Upwind	7.67	25.7	No
26-Jan-22	Downwind	7.30	20.6	No
27-Jan-22	Upwind	7.92	30.1	No
27-Jan-22	Downwind	7.50	24.5	No
28-Jan-22	Upwind	7.75	28.3	No
28-Jan-22	Downwind	7.57	23.3	No
31-Jan-22	Upwind	7.87	6.0	No
31-Jan-22	Downwind	7.50	<5.88	No
1-Feb-22	Upwind	7.87	28.1	No
1-Feb-22	Downwind	7.50	9.8	No
2-Feb-22	Upwind	7.92	30.7	No
2-Feb-22	Downwind	7.50	<5.88	No
3-Feb-22	Upwind	7.83	16.0	No
3-Feb-22	Downwind	7.50	9.0	No
4-Feb-22	Upwind	7.87	20.9	No
4-Feb-22	Downwind	7.42	16.9	No
7-Feb-22	Upwind	7.87	9.9	No
7-Feb-22	Downwind	7.50	15.7	No
8-Feb-22	Upwind	7.87	21.3	No
8-Feb-22	Downwind	7.33	16.7	No
9-Feb-22	Upwind	9.02	19.4	No
9-Feb-22	Downwind	8.95	<4.93	No
10-Feb-22	Upwind	10.70	21.7	No
10-Feb-22	Downwind	10.52	13.7	No
11-Feb-22	Upwind	9.45	22.1	No
11-Feb-22	Downwind	9.45	8.9	No
14-Feb-22	Upwind	7.67	22.6	No
14-Feb-22	Downwind	7.17	30.8	No
15-Feb-22	Upwind	13.55	8.8	No
15-Feb-22	Downwind	14.18	8.0	No
16-Feb-22	Upwind	14.13	25.9	No
16-Feb-22	Downwind	14.03	13.9	No
17-Feb-22	Upwind	14.73	19.0	No
17-Feb-22	Downwind	14.40	7.7	No
18-Feb-22	Upwind	15.28	22.1	No
18-Feb-22	Downwind	15.15	13.4	No
21-Feb-22	Upwind	8.22	<5.37	No
21-Feb-22	Downwind	8.08	16.9	No



**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
22-Feb-22	Upwind	7.92	16.5	No
22-Feb-22	Downwind	7.42	44.0	No
23-Feb-22	Upwind	7.92	<5.58	No
23-Feb-22	Downwind	7.50	<5.88	No
24-Feb-22	Upwind	7.83	10.0	No
24-Feb-22	Downwind	7.67	<5.76	No
25-Feb-22	Upwind	7.75	12.1	No
25-Feb-22	Downwind	7.42	7.5	No
28-Feb-22	Upwind	7.92	49.1	No
28-Feb-22	Downwind	7.33	15.7	No
1-Mar-22	Upwind	7.83	25.5	No
1-Mar-22	Downwind	7.42	20.0	No
2-Mar-22	Upwind	7.83	22.7	No
2-Mar-22	Downwind	7.50	11.2	No
3-Mar-22	Upwind	7.60	10.6	No
3-Mar-22	Downwind	7.33	9.0	No
4-Mar-22	Upwind	7.75	21.1	No
4-Mar-22	Downwind	7.50	23.5	No
7-Mar-22	Upwind	7.50	18.0	No
7-Mar-22	Downwind	7.25	9.7	No
8-Mar-22	Upwind	7.83	22.7	No
8-Mar-22	Downwind	7.50	11.4	No
9-Mar-22	Upwind	7.78	39.7	No
9-Mar-22	Downwind	7.50	47.7	No
10-Mar-22	Upwind	7.83	20.5	No
10-Mar-22	Downwind	7.50	9.2	No
11-Mar-22	Upwind	7.75	19.7	No
11-Mar-22	Downwind	7.67	12.3	No
14-Mar-22	Upwind	7.67	37.4	No
14-Mar-22	Downwind	7.58	24.8	No
15-Mar-22	Upwind	7.00	40.8	No
15-Mar-22	Downwind	7.18	66.6	No
16-Mar-22	Upwind	7.75	68.9	No
16-Mar-22	Downwind	7.58	36.1	No
17-Mar-22	Upwind	7.75	64.9	No
17-Mar-22	Downwind	7.58	134.0	No
18-Mar-22	Upwind	7.83	28.0	No
18-Mar-22	Downwind	7.67	31.5	No
21-Mar-22	Upwind	7.67	Note 4	No
21-Mar-22	Downwind	7.42	Note 4	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
22-Mar-22	Upwind	7.75	Note 4	No
22-Mar-22	Downwind	7.67	Note 4	No
23-Mar-22	Upwind	7.83	Note 4	No
23-Mar-22	Downwind	7.67	Note 4	No
24-Mar-22	Upwind	7.83	Note 4	No
24-Mar-22	Downwind	7.67	Note 4	No
25-Mar-22	Upwind	7.75	Note 4	No
25-Mar-22	Downwind	7.67	Note 4	No
28-Mar-22	Upwind	Note 1	Note 1	Note 1
28-Mar-22	Downwind	Note 1	Note 1	Note 1
29-Mar-22	Upwind	7.83	19.5	No
29-Mar-22	Downwind	7.67	31.9	No
30-Mar-22	Upwind	7.83	6.2	No
30-Mar-22	Downwind	7.67	24.9	No
31-Mar-22	Upwind	7.83	9.2	No
31-Mar-22	Downwind	7.58	21.1	No
1-Apr-22	Upwind	7.83	<5.63	No
1-Apr-22	Downwind	7.67	12.7	No
4-Apr-22	Upwind	7.75	22.0	No
4-Apr-22	Downwind	7.42	23.0	No
5-Apr-22	Upwind	7.67	39.0	No
5-Apr-22	Downwind	7.58	20.0	No
6-Apr-22	Upwind	7.67	27.1	No
6-Apr-22	Downwind	7.25	40.8	No
7-Apr-22	Upwind	7.50	<5.88	No
7-Apr-22	Downwind	7.33	33.1	No
8-Apr-22	Upwind	7.67	11.7	No
8-Apr-22	Downwind	7.50	60.8	No
11-Apr-22	Upwind	Note 1	Note 1	Note 1
11-Apr-22	Downwind	Note 1	Note 1	Note 1
12-Apr-22	Upwind	7.58	23.3	No
12-Apr-22	Downwind	7.42	6.94	No
13-Apr-22	Upwind	7.67	17.8	No
13-Apr-22	Downwind	7.50	<5.88	No
14-Apr-22	Upwind	Note 1	Note 1	Note 1
14-Apr-22	Downwind	Note 1	Note 1	Note 1
15-Apr-22	Upwind	Note 1	Note 1	Note 1
15-Apr-22	Downwind	Note 1	Note 1	Note 1
18-Apr-22	Upwind	7.83	10.1	No
18-Apr-22	Downwind	7.75	<5.69	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
19-Apr-22	Upwind	7.67	11.5	No
19-Apr-22	Downwind	7.58	<5.82	No
20-Apr-22	Upwind	7.83	10.9	No
20-Apr-22	Downwind	7.67	13.6	No
21-Apr-22	Upwind	Note 1	Note 1	Note 1
21-Apr-22	Downwind	Note 1	Note 1	Note 1
22-Apr-22	Upwind	Note 1	Note 1	Note 1
22-Apr-22	Downwind	Note 1	Note 1	Note 1
25-Apr-22	Upwind	7.58	30.5	No
25-Apr-22	Downwind	7.50	15.5	No
26-Apr-22	Upwind	7.67	24.8	No
26-Apr-22	Downwind	7.50	18.6	No
27-Apr-22	Upwind	7.50	29.8	No
27-Apr-22	Downwind	7.42	43.2	No
28-Apr-22	Upwind	7.67	20.7	No
28-Apr-22	Downwind	7.58	20.8	No
29-Apr-22	Upwind	7.75	20.7	No
29-Apr-22	Downwind	7.58	15.5	No
2-May-22	B606UPWIND	7.50	8.83	No
2-May-22	12ADOWNWIND	7.50	12.8	No
3-May-22	B606UPWIND	7.75	15.4	No
3-May-22	12ADOWNWIND	7.58	9.70	No
4-May-22	B606UPWIND	7.67	21.5	No
4-May-22	12ADOWNWIND	7.58	18.8	No
5-May-22	B606UPWIND	7.75	14.0	No
5-May-22	12ADOWNWIND	7.58	13.0	No
6-May-22	B606UPWIND	7.58	8.34	No
6-May-22	12ADOWNWIND	7.58	12.8	No
9-May-22	B606UPWIND	7.75	27.7	No
9-May-22	12ADOWNWIND	7.67	45.3	No
10-May-22	B606UPWIND	7.67	18.4	No
10-May-22	12ADOWNWIND	7.67	47.5	No
11-May-22	B606UPWIND	7.67	17.7	No
11-May-22	12ADOWNWIND	7.58	33.0	No
12-May-22	B606UPWIND	7.75	23.7	No
12-May-22	12ADOWNWIND	7.67	43.0	No
13-May-22	B606UPWIND	7.75	13.1	No
13-May-22	12ADOWNWIND	7.33	70.4	No
16-May-22	B606UPWIND	7.75	16.1	No
16-May-22	12ADOWNWIND	7.58	176	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
17-May-22	B606UPWIND	7.02	30.4	No
17-May-22	12ADOWNWIND	7.00	36.8	No
18-May-22	B606UPWIND	7.50	43.4	No
18-May-22	12ADOWNWIND	7.42	27.0	No
19-May-22	B606UPWIND	7.75	31.5	No
19-May-22	12ADOWNWIND	7.67	103	No
20-May-22	B606UPWIND	7.58	29.7	No
20-May-22	12ADOWNWIND	7.58	21.7	No
31-May-22	B606UPWIND	7.62	27.4	No
31-May-22	12ADOWNWIND	7.50	19.4	No
1-Jun-22	B606UPWIND	7.67	18.8	No
1-Jun-22	12ADOWNWIND	7.58	20.6	No
2-Jun-22	B606UPWIND	7.50	15.1	No
2-Jun-22	12ADOWNWIND	7.35	8.81	No
3-Jun-22	B606UPWIND	7.67	12.7	No
3-Jun-22	12ADOWNWIND	7.58	15.9	No
6-Jun-22	B606UPWIND	7.58	29.1	No
6-Jun-22	12ADOWNWIND	7.50	23.0	No
7-Jun-22	B606UPWIND	7.50	1640	No
7-Jun-22	12ADOWNWIND	7.42	27.0	No
8-Jun-22	B606UPWIND	7.67	19.6	No
8-Jun-22	12ADOWNWIND	7.58	14.0	No
9-Jun-22	B606UPWIND	7.67	34.7	No
9-Jun-22	12ADOWNWIND	7.58	14.6	No
10-Jun-22	B606UPWIND	7.50	26.5	No
10-Jun-22	12ADOWNWIND	7.42	9.32	No
13-Jun-22	B606UPWIND	7.50	29.0	No
13-Jun-22	12ADOWNWIND	7.33	10.4	No
14-Jun-22	B606UPWIND	7.50	28.6	No
14-Jun-22	12ADOWNWIND	7.42	20.2	No
15-Jun-22	B606UPWIND	7.47	39.6	No
15-Jun-22	12ADOWNWIND	7.33	28.1	No
16-Jun-22	B606UPWIND	7.47	22.9	No
16-Jun-22	12ADOWNWIND	7.25	21.5	No
17-Jun-22	B606UPWIND	7.47	9.49	No
17-Jun-22	12ADOWNWIND	7.13	13.4	No
20-Jun-22	B606UPWIND	7.75	27.3	No
20-Jun-22	12ADOWNWIND	7.58	16.3	No
21-Jun-22	B606UPWIND	7.75	36.8	No
21-Jun-22	12ADOWNWIND	7.67	15.7	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
22-Jun-22	B606UPWIND	7.67	42.2	No
22-Jun-22	12ADOWNWIND	7.58	26.0	No
23-Jun-22	B606UPWIND	7.47	19.5	No
23-Jun-22	12ADOWNWIND	7.58	13.8	No
24-Jun-22	B606UPWIND	6.37	17.3	No
24-Jun-22	12ADOWNWIND	6.17	15.3	No
27-Jun-22	B606UPWIND	7.75	9.87	No
27-Jun-22	12ADOWNWIND	7.58	13.8	No
28-Jun-22	B606UPWIND	7.67	36.5	No
28-Jun-22	12ADOWNWIND	6.42	102	No
29-Jun-22	B606UPWIND	7.83	29.7	No
29-Jun-22	12ADOWNWIND	7.53	60.0	No
30-Jun-22	B606UPWIND	7.58	20.6	No
30-Jun-22	12ADOWNWIND	7.42	13.3	No
1-Jul-22	B606UPWIND	6.38	20.7	No
1-Jul-22	12ADOWNWIND	6.25	12.0	No
5-Jul-22	B606UPWIND	6.42	8.94	No
5-Jul-22	12ADOWNWIND	6.25	16.0	No
6-Jul-22	B606UPWIND	7.75	9.87	No
6-Jul-22	12ADOWNWIND	7.47	<5.91	No
7-Jul-22	B606UPWIND	7.57	10.3	No
7-Jul-22	12ADOWNWIND	7.37	6.99	No
8-Jul-22	B606UPWIND	6.33	9.52	No
8-Jul-22	12ADOWNWIND	6.17	38.9	No
11-Jul-22	B606UPWIND	6.33	54.3	No
11-Jul-22	12ADOWNWIND	6.25	9.58	No
12-Jul-22	B606UPWIND	6.33	166	No
12-Jul-22	12ADOWNWIND	6.25	23.3	No
13-Jul-22	B606UPWIND	7.67	35.3	No
13-Jul-22	12ADOWNWIND	7.58	83.4	No
14-Jul-22	B606UPWIND	7.67	100	No
14-Jul-22	12ADOWNWIND	7.58	159	No
15-Jul-22	B606UPWIND	7.42	28.0	No
15-Jul-22	12ADOWNWIND	7.33	83.1	No
18-Jul-22	B606UPWIND	9.00	12.5	No
18-Jul-22	12ADOWNWIND	9.00	<1.84	No
19-Jul-22	B606UPWIND	9.00	13.1	No
19-Jul-22	12ADOWNWIND	9.00	8.28	No
20-Jul-22	B606UPWIND	9.00	10.2	No
20-Jul-22	12ADOWNWIND	9.00	34.9	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
21-Jul-22	B606UPWIND	9.00	25.5	No
21-Jul-22	12ADOWNWIND	9.00	44.1	No
25-Jul-22	B606UPWIND	9.00	14.1	No
25-Jul-22	12ADOWNWIND	9.00	24.0	No
26-Jul-22	B606UPWIND	9.00	26.6	No
26-Jul-22	12ADOWNWIND	9.00	11.9	No
27-Jul-22	B606UPWIND	9.00	20.3	No
27-Jul-22	12ADOWNWIND	9.00	22.1	No
28-Jul-22	B606UPWIND	9.00	20.3	No
28-Jul-22	12ADOWNWIND	9.00	10.6	No
1-Aug-22	B606UPWIND	10.0	23.9	No
1-Aug-22	12ADOWNWIND	10.0	16.8	No
2-Aug-22	B606UPWIND	10.0	36.5	No
2-Aug-22	12ADOWNWIND	10.0	22.2	No
3-Aug-22	B606UPWIND	10.0	31.7	No
3-Aug-22	12ADOWNWIND	10.0	24.4	No
4-Aug-22	B606UPWIND	10.0	46.1	No
4-Aug-22	12ADOWNWIND	10.0	28.9	No
8-Aug-22	B606UPWIND	10.0	30.6	No
8-Aug-22	12ADOWNWIND	10.0	15.2	No
9-Aug-22	B606UPWIND	10.0	36.8	No
9-Aug-22	12ADOWNWIND	10.0	29.8	No
10-Aug-22	B606UPWIND	10.0	6.05	No
10-Aug-22	12ADOWNWIND	10.0	26.8	No
11-Aug-22	B606UPWIND	10.0	40.7	No
11-Aug-22	12ADOWNWIND	10.0	35.5	No
15-Aug-22	B606UPWIND	10.0	50.4	No
15-Aug-22	12ADOWNWIND	10.0	25.8	No
16-Aug-22	B606UPWIND	10.0	51.3	No
16-Aug-22	12ADOWNWIND	10.0	30.6	No
17-Aug-22	B606UPWIND	10.0	32.5	No
17-Aug-22	12ADOWNWIND	10.0	17.5	No
18-Aug-22	B606UPWIND	10.0	32.0	No
18-Aug-22	12ADOWNWIND	10.0	23.9	No
22-Aug-22	B606UPWIND	10.0	32.4	No
22-Aug-22	12ADOWNWIND	10.0	52.1	No
23-Aug-22	B606UPWIND	10.0	37.3	No
23-Aug-22	12ADOWNWIND	10.0	23.4	No
24-Aug-22	B606UPWIND	10.0	32.0	No
24-Aug-22	12ADOWNWIND	10.0	16.3	No

**Attachment 1, Table 3: PM10 Air Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>PM10 Exceedance? (Yes/No)</b>
25-Aug-22	B606UPWIND	10.0	50.7	No
25-Aug-22	12ADOWNWIND	10.0	20.8	No
29-Aug-22	B606UPWIND	10.0	49.5	No
29-Aug-22	12ADOWNWIND	10.0	28.3	No
30-Aug-22	B606UPWIND	10.0	27.0	No
30-Aug-22	12ADOWNWIND	10.0	25.8	No
31-Aug-22	B606UPWIND	10.0	35.1	No
31-Aug-22	12ADOWNWIND	10.0	18.3	No
1-Sep-22	B606UPWIND	10.0	22.4	No
1-Sep-22	12ADOWNWIND	10.0	14.2	No

### Attachment 1, Table 3: PM10 Air 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.

Note 4: Sample was damaged by the laboratory. No results reported.

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  $\mu\text{g}/\text{m}^3$

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

$\mu\text{g}/\text{m}^3$  - microgram per cubic meter

N/A - not applicable

PM10 - particulate matter smaller than 10 microns in diameter



**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
17-Dec-19	Downwind	Note 3	Note 3	Note 3

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
14-Jan-20	Upwind	Note 3	Note 3	Note 3
14-Jan-20	Downwind	Note 3	Note 3	Note 3

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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	<0.0031	No
11-Feb-20	Downwind	7.2	<0.0031	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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



**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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	Note 2	Note 2	Note 2
7-Sep-20	Downwind	Note 2	Note 2	Note 2
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
5-Dec-20	Upwind	8.1	<.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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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



**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
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
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
2-Aug-21	Upwind	10.0	0.0025	No
2-Aug-21	Downwind	10.0	0.0029	No
3-Aug-21	Upwind	10.0	0.0029	No
3-Aug-21	Downwind	10.0	<0.0022	No
4-Aug-21	Upwind	10.0	<0.0022	No
4-Aug-21	Downwind	10.0	0.0498	No
5-Aug-21	Upwind	10.0	<0.0022	No
5-Aug-21	Downwind	10.0	0.0029	No
6-Aug-21	Upwind	10.0	0.0025	No
6-Aug-21	Downwind	10.0	<0.0022	No
9-Aug-21	Upwind	10.0	0.0047	No
9-Aug-21	Downwind	10.0	0.0027	No
10-Aug-21	Upwind	10.0	0.0037	No
10-Aug-21	Downwind	10.0	0.0025	No
11-Aug-21	Upwind	10.0	0.0033	No
11-Aug-21	Downwind	10.0	0.0049	No
12-Aug-21	Upwind	10.0	0.0078	No
12-Aug-21	Downwind	10.0	0.0110	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
13-Aug-21	Upwind	10.0	0.0025	No
13-Aug-21	Downwind	10.0	0.0090	No
16-Aug-21	Upwind	10.0	<0.0022	No
16-Aug-21	Downwind	10.0	0.0061	No
17-Aug-21	Upwind	10.0	<0.0022	No
17-Aug-21	Downwind	10.0	0.0033	No
18-Aug-21	Upwind	10.0	<0.0022	No
18-Aug-21	Downwind	10.0	<0.0022	No
19-Aug-21	Upwind	10.0	0.0031	No
19-Aug-21	Downwind	10.0	0.0033	No
20-Aug-21	Upwind	10.0	<0.0022	No
20-Aug-21	Downwind	10.0	<0.0022	No
23-Aug-21	Upwind	10.0	<0.0022	No
23-Aug-21	Downwind	10.0	<0.0022	No
24-Aug-21	Upwind	10.0	<0.0022	No
24-Aug-21	Downwind	10.0	0.0059	No
25-Aug-21	Upwind	10.0	<0.0022	No
25-Aug-21	Downwind	10.0	<0.0022	No
26-Aug-21	Upwind	10.0	<0.0022	No
26-Aug-21	Downwind	10.0	<0.0022	No
27-Aug-21	Upwind	10.0	<0.0022	No
27-Aug-21	Downwind	10.0	<0.0022	No
30-Aug-21	Upwind	10.0	0.0033	No
30-Aug-21	Downwind	10.0	0.0033	No
31-Aug-21	Upwind	10.0	0.0025	No
31-Aug-21	Downwind	10.0	0.0096	No
1-Sep-21	Upwind	10.0	<0.0022	No
1-Sep-21	Downwind	10.0	0.0139	No
2-Sep-21	Upwind	10.0	0.0037	No
2-Sep-21	Downwind	10.0	0.0045	No
3-Sep-21	Upwind	8.8	0.0056	No
3-Sep-21	Downwind	8.2	0.0050	No
7-Sep-21	Upwind	10.0	0.0025	No
7-Sep-21	Downwind	10.0	<0.0022	No
8-Sep-21	Upwind	10.0	0.0033	No
8-Sep-21	Downwind	10.0	0.0025	No
9-Sep-21	Upwind	10.0	<0.0022	No
9-Sep-21	Downwind	10.0	0.0088	No
10-Sep-21	Upwind	10.0	<0.0022	No
10-Sep-21	Downwind	10.0	<0.0022	No



**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
13-Sep-21	Upwind	10.0	0.0023	No
13-Sep-21	Downwind	10.0	<0.0022	No
14-Sep-21	Upwind	10.0	0.0023	No
14-Sep-21	Downwind	10.0	<0.0022	No
15-Sep-21	Upwind	10.0	<0.0022	No
15-Sep-21	Downwind	10.0	<0.0022	No
16-Sep-21	Upwind	10.0	0.0031	No
16-Sep-21	Downwind	10.0	0.0029	No
17-Sep-21	Upwind	10.0	<0.0022	No
17-Sep-21	Downwind	10.0	<0.0022	No
20-Sep-21	Upwind	10.0	<0.0022	No
20-Sep-21	Downwind	10.0	0.0039	No
21-Sep-21	Upwind	10.0	0.0041	No
21-Sep-21	Downwind	10.0	<0.0022	No
22-Sep-21	Upwind	10.0	0.0039	No
22-Sep-21	Downwind	10.0	0.0041	No
23-Sep-21	Upwind	10.0	0.0033	No
23-Sep-21	Downwind	10.0	<0.0022	No
24-Sep-21	Upwind	10.0	0.0035	No
24-Sep-21	Downwind	10.0	<0.0022	No
27-Sep-21	Upwind	10.0	<0.0022	No
27-Sep-21	Downwind	10.0	0.0027	No
28-Sep-21	Upwind	10.0	0.0055	No
28-Sep-21	Downwind	10.0	<0.0022	No
29-Sep-21	Upwind	10.0	0.0029	No
29-Sep-21	Downwind	10.0	<0.0022	No
30-Sep-21	Upwind	10.0	<0.0022	No
30-Sep-21	Downwind	10.0	<0.0022	No
1-Oct-21	Upwind	10.0	<0.0022	No
1-Oct-21	Downwind	10.0	<0.0022	No
4-Oct-21	Upwind	10.0	0.0025	No
4-Oct-21	Downwind	10.0	0.0029	No
5-Oct-21	Upwind	10.0	0.0051	No
5-Oct-21	Downwind	10.0	0.0072	No
6-Oct-21	Upwind	10.0	<0.0022	No
6-Oct-21	Downwind	10.0	<0.0022	No
7-Oct-21	Upwind	10.0	<0.0022	No
7-Oct-21	Downwind	10.0	0.0037	No
8-Oct-21	Upwind	10.0	0.0045	No
8-Oct-21	Downwind	10.0	0.0102	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
11-Oct-21	Upwind	10.0	0.0037	No
11-Oct-21	Downwind	10.0	0.0057	No
12-Oct-21	Upwind	22.9	<0.0010	No
12-Oct-21	Downwind	23.4	<0.0010	No
13-Oct-21	Upwind	22.8	<0.0010	No
13-Oct-21	Downwind	23.9	<0.0009	No
14-Oct-21	Upwind	20.9	<0.0011	No
14-Oct-21	Downwind	23.8	<0.0009	No
15-Oct-21	Upwind	23.6	<0.0010	No
15-Oct-21	Downwind	24.7	0.0009	No
18-Oct-21	Upwind	13.6	0.0023	No
18-Oct-21	Downwind	12.3	0.0033	No
19-Oct-21	Upwind	22.4	<0.0010	No
19-Oct-21	Downwind	23.8	<0.0009	No
20-Oct-21	Upwind	2.4	<0.0096	No
20-Oct-21	Downwind	2.2	<0.0104	No
21-Oct-21	Upwind	Note 1	Note 1	No
21-Oct-21	Downwind	Note 1	Note 1	No
22-Oct-21	Upwind	Note 1	Note 1	No
22-Oct-21	Downwind	Note 1	Note 1	No
25-Oct-21	Upwind	Note 1	Note 1	No
25-Oct-21	Downwind	Note 1	Note 1	No
26-Oct-21	Upwind	Note 1	Note 1	No
26-Oct-21	Downwind	Note 1	Note 1	No
27-Oct-21	Upwind	14.9	<0.0015	No
27-Oct-21	Downwind	14.2	0.0016	No
28-Oct-21	Upwind	15.9	<0.0014	No
28-Oct-21	Downwind	14.3	<0.0016	No
29-Oct-21	Upwind	10.0	0.0029	No
29-Oct-21	Downwind	10.0	<0.0022	No
1-Nov-21	Upwind	10.0	<0.0022	No
1-Nov-21	Downwind	10.0	0.0027	No
2-Nov-21	Upwind	10.0	<0.0022	No
2-Nov-21	Downwind	10.0	<0.0022	No
3-Nov-21	Upwind	10.0	<0.0022	No
3-Nov-21	Downwind	10.0	0.0027	No
4-Nov-21	Upwind	10.0	0.0025	No
4-Nov-21	Downwind	10.0	<0.0022	No
5-Nov-21	Upwind	10.0	0.0041	No
5-Nov-21	Downwind	10.0	<0.0022	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
8-Nov-21	Upwind	10.0	<0.0022	No
8-Nov-21	Downwind	10.0	<0.0022	No
9-Nov-21	Upwind	Note 1	Note 1	Note 1
9-Nov-21	Downwind	Note 1	Note 1	Note 1
10-Nov-21	Upwind	Note 1	Note 1	Note 1
10-Nov-21	Downwind	Note 1	Note 1	Note 1
11-Nov-21	Upwind	10.0	<0.0022	No
11-Nov-21	Downwind	10.0	<0.0022	No
12-Nov-21	Upwind	8.0	<0.0027	No
12-Nov-21	Downwind	7.9	<0.0030	No
15-Nov-21	Upwind	10.0	<0.0022	No
15-Nov-21	Downwind	10.0	<0.0022	No
16-Nov-21	Upwind	10.0	0.0029	No
16-Nov-21	Downwind	10.0	<0.0022	No
17-Nov-21	Upwind	10.0	<0.0022	No
17-Nov-21	Downwind	10.0	0.0029	No
18-Nov-21	Upwind	10.0	0.0033	No
18-Nov-21	Downwind	10.0	<0.0022	No
19-Nov-21	Upwind	10.0	<0.0022	No
19-Nov-21	Downwind	10.0	0.0025	No
20-Nov-21	Upwind	10.0	<0.0022	No
20-Nov-21	Downwind	10.0	<0.0022	No
22-Nov-21	Upwind	10.0	0.0025	No
22-Nov-21	Downwind	10.0	<0.0022	No
23-Nov-21	Upwind	10.0	<0.0022	No
23-Nov-21	Downwind	10.0	<0.0022	No
24-Nov-21	Upwind	10.0	<0.0022	No
24-Nov-21	Downwind	10.0	<0.0022	No
25-Nov-21	Upwind	Note 2	Note 2	Note 2
25-Nov-21	Downwind	Note 2	Note 2	Note 2
26-Nov-21	Upwind	Note 2	Note 2	Note 2
26-Nov-21	Downwind	Note 2	Note 2	Note 2
29-Nov-21	Upwind	10.0	<0.0022	No
29-Nov-21	Downwind	10.0	<0.0022	No
30-Nov-21	Upwind	10.0	<0.0022	No
30-Nov-21	Downwind	10.0	<0.0022	No
1-Dec-21	Upwind	10.0	<0.0022	No
1-Dec-21	Downwind	10.0	<0.0022	No
2-Dec-21	Upwind	10.0	<0.0022	No
2-Dec-21	Downwind	10.0	<0.0022	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
3-Dec-21	Upwind	10.0	<0.0022	No
3-Dec-21	Downwind	10.0	<0.0022	No
4-Dec-21	Upwind	18.7	<0.0012	No
4-Dec-21	Downwind	16.0	<0.0014	No
6-Dec-21	Upwind	22.7	<0.0010	No
6-Dec-21	Downwind	20.1	<0.0011	No
7-Dec-21	Upwind	22.9	<0.0010	No
7-Dec-21	Downwind	17.3	<0.0013	No
8-Dec-21	Upwind	23.2	<0.0010	No
8-Dec-21	Downwind	22.6	<0.0010	No
9-Dec-21	Upwind	21.5	0.0012	No
9-Dec-21	Downwind	22.2	<0.0010	No
10-Dec-21	Upwind	20.0	<0.0011	No
10-Dec-21	Downwind	23.3	<0.0010	No
11-Dec-21	Upwind	29.7	<0.0007	No
11-Dec-21	Downwind	28.7	<0.0008	No
13-Dec-21	Upwind	Note 3	Note 3	Note 3
13-Dec-21	Downwind	Note 3	Note 3	Note 3
14-Dec-21	Upwind	Note 3	Note 3	Note 3
14-Dec-21	Downwind	Note 3	Note 3	Note 3
15-Dec-21	Upwind	Note 3	Note 3	Note 3
15-Dec-21	Downwind	Note 3	Note 3	Note 3
16-Dec-21	Upwind	Note 3	Note 3	Note 3
16-Dec-21	Downwind	Note 3	Note 3	Note 3
17-Dec-21	Upwind	Note 3	Note 3	Note 3
17-Dec-21	Downwind	Note 3	Note 3	Note 3
20-Dec-21	Upwind	Note 3	Note 3	Note 3
20-Dec-21	Downwind	Note 3	Note 3	Note 3
21-Dec-21	Upwind	Note 3	Note 3	Note 3
21-Dec-21	Downwind	Note 3	Note 3	Note 3
22-Dec-21	Upwind	Note 3	Note 3	Note 3
22-Dec-21	Downwind	Note 3	Note 3	Note 3
23-Dec-21	Upwind	Note 3	Note 3	Note 3
23-Dec-21	Downwind	Note 3	Note 3	Note 3
24-Dec-21	Upwind	Note 3	Note 3	Note 3
24-Dec-21	Downwind	Note 3	Note 3	Note 3
27-Dec-21	Upwind	Note 3	Note 3	Note 3
27-Dec-21	Downwind	Note 3	Note 3	Note 3
28-Dec-21	Upwind	Note 3	Note 3	Note 3
28-Dec-21	Downwind	Note 3	Note 3	Note 3

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
29-Dec-21	Upwind	Note 3	Note 3	Note 3
29-Dec-21	Downwind	Note 3	Note 3	Note 3
30-Dec-21	Upwind	Note 3	Note 3	Note 3
30-Dec-21	Downwind	Note 3	Note 3	Note 3
31-Dec-21	Upwind	Note 3	Note 3	Note 3
31-Dec-21	Downwind	Note 3	Note 3	Note 3
3-Jan-22	Upwind	Note 3	Note 3	Note 3
3-Jan-22	Downwind	Note 3	Note 3	Note 3
4-Jan-22	Upwind	Note 3	Note 3	Note 3
4-Jan-22	Downwind	Note 3	Note 3	Note 3
5-Jan-22	Upwind	Note 3	Note 3	Note 3
5-Jan-22	Downwind	Note 3	Note 3	Note 3
6-Jan-22	Upwind	Note 3	Note 3	Note 3
6-Jan-22	Downwind	Note 3	Note 3	Note 3
7-Jan-22	Upwind	Note 3	Note 3	Note 3
7-Jan-22	Downwind	Note 3	Note 3	Note 3
10-Jan-22	Upwind	Note 3	Note 3	Note 3
10-Jan-22	Downwind	Note 3	Note 3	Note 3
11-Jan-22	Upwind	Note 3	Note 3	Note 3
11-Jan-22	Downwind	Note 3	Note 3	Note 3
12-Jan-22	Upwind	10.0	<0.0022	No
12-Jan-22	Downwind	10.0	<0.0022	No
13-Jan-22	Upwind	10.0	<0.0022	No
13-Jan-22	Downwind	10.0	<0.0022	No
14-Jan-22	Upwind	10.0	<0.0022	No
14-Jan-22	Downwind	10.0	<0.0022	No
17-Jan-22	Upwind	Note 2	Note 2	Note 2
17-Jan-22	Downwind	Note 2	Note 2	Note 2
18-Jan-22	Upwind	10.0	0.0033	No
18-Jan-22	Downwind	10.0	<0.0022	No
19-Jan-22	Upwind	13.4	<0.0017	No
19-Jan-22	Downwind	13.5	<0.0017	No
20-Jan-22	Upwind	14.0	<0.0016	No
20-Jan-22	Downwind	13.2	<0.0017	No
21-Jan-22	Upwind	10.0	<0.0022	No
21-Jan-22	Downwind	10.0	<0.0022	No
24-Jan-22	Upwind	10.0	0.0029	No
24-Jan-22	Downwind	10.0	<0.0022	No
25-Jan-22	Upwind	10.0	<0.0022	No
25-Jan-22	Downwind	10.0	<0.0022	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
26-Jan-22	Upwind	10.0	<0.0022	No
26-Jan-22	Downwind	10.0	<0.0022	No
27-Jan-22	Upwind	10.0	<0.0022	No
27-Jan-22	Downwind	10.0	<0.0022	No
28-Jan-22	Upwind	10.0	<0.0022	No
28-Jan-22	Downwind	10.0	<0.0022	No
31-Jan-22	Upwind	10.0	<0.0022	No
31-Jan-22	Downwind	10.0	<0.0022	No
1-Feb-22	Upwind	10.0	0.0029	No
1-Feb-22	Downwind	10.0	<0.0022	No
2-Feb-22	Upwind	10.0	<0.0022	No
2-Feb-22	Downwind	10.0	<0.0022	No
3-Feb-22	Upwind	10.0	<0.0022	No
3-Feb-22	Downwind	10.0	<0.0022	No
4-Feb-22	Upwind	10.0	<0.0022	No
4-Feb-22	Downwind	10.0	<0.0022	No
7-Feb-22	Upwind	10.0	<0.0022	No
7-Feb-22	Downwind	10.0	<0.0022	No
8-Feb-22	Upwind	10.0	<0.0022	No
8-Feb-22	Downwind	10.0	<0.0022	No
9-Feb-22	Upwind	11.9	<0.0019	No
9-Feb-22	Downwind	16.5	<0.0014	No
10-Feb-22	Upwind	14.1	<0.0016	No
10-Feb-22	Downwind	15.6	<0.0014	No
11-Feb-22	Upwind	15.2	0.0016	No
11-Feb-22	Downwind	14.6	<0.0015	No
14-Feb-22	Upwind	10.0	<0.0022	No
14-Feb-22	Downwind	10.0	0.0023	No
15-Feb-22	Upwind	22.9	0.0019	No
15-Feb-22	Downwind	22.3	<0.0010	No
16-Feb-22	Upwind	22.8	0.0014	No
16-Feb-22	Downwind	23.2	<0.0010	No
17-Feb-22	Upwind	22.2	<0.0010	No
17-Feb-22	Downwind	21.8	<0.0010	No
18-Feb-22	Upwind	21.8	<0.0010	No
18-Feb-22	Downwind	20.8	<0.0011	No
21-Feb-22	Upwind	10.0	<0.0022	No
21-Feb-22	Downwind	10.0	0.0053	No
22-Feb-22	Upwind	10.0	0.0033	No
22-Feb-22	Downwind	10.0	0.0025	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
23-Feb-22	Upwind	10.0	<0.0022	No
23-Feb-22	Downwind	10.0	<0.0022	No
24-Feb-22	Upwind	10.0	<0.0022	No
24-Feb-22	Downwind	10.0	0.0061	No
25-Feb-22	Upwind	10.0	<0.002	No
25-Feb-22	Downwind	10.0	<0.0022	No
28-Feb-22	Upwind	10.0	<0.0022	No
28-Feb-22	Downwind	10.0	<0.0022	No
1-Mar-22	Upwind	10.0	<0.0022	No
1-Mar-22	Downwind	10.0	0.0027	No
2-Mar-22	Upwind	10.0	<0.0022	No
2-Mar-22	Downwind	10.0	<0.0022	No
3-Mar-22	Upwind	10.0	0.0029	No
3-Mar-22	Downwind	10.0	0.0033	No
4-Mar-22	Upwind	10.0	<0.0022	No
4-Mar-22	Downwind	10.0	0.0119	No
7-Mar-22	Upwind	10.0	<0.0022	No
7-Mar-22	Downwind	10.0	0.0025	No
8-Mar-22	Upwind	10.0	<0.0022	No
8-Mar-22	Downwind	10.0	0.0033	No
9-Mar-22	Upwind	10.0	<0.0022	No
9-Mar-22	Downwind	10.0	0.0161	No
10-Mar-22	Upwind	10.0	<0.0022	No
10-Mar-22	Downwind	10.0	<0.0022	No
11-Mar-22	Upwind	10.0	<0.0022	No
11-Mar-22	Downwind	10.0	<0.0022	No
14-Mar-22	Upwind	10.0	<0.0022	No
14-Mar-22	Downwind	10.2	<0.0022	No
15-Mar-22	Upwind	10.0	<0.0022	No
15-Mar-22	Downwind	10.0	<0.0022	No
16-Mar-22	Upwind	10.0	0.0035	No
16-Mar-22	Downwind	10.0	0.0029	No
17-Mar-22	Upwind	10.0	<0.0022	No
17-Mar-22	Downwind	10.0	0.0061	No
18-Mar-22	Upwind	10.0	<0.0022	No
18-Mar-22	Downwind	10.0	<0.0022	No
21-Mar-22	Upwind	10.0	0.0025	No
21-Mar-22	Downwind	10.0	<0.0022	No
22-Mar-22	Upwind	10.0	0.0030	No
22-Mar-22	Downwind	10.0	<0.0022	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
23-Mar-22	Upwind	10.0	<0.0022	No
23-Mar-22	Downwind	10.0	0.0025	No
24-Mar-22	Upwind	10.0	0.0045	No
24-Mar-22	Downwind	10.0	<0.0022	No
25-Mar-22	Upwind	10.0	<0.0022	No
25-Mar-22	Downwind	10.0	<0.0022	No
28-Mar-22	Upwind	Note 1	Note 1	Note 1
28-Mar-22	Downwind	Note 1	Note 1	Note 1
29-Mar-22	Upwind	10.0	<0.0022	No
29-Mar-22	Downwind	10.0	<0.0022	No
30-Mar-22	Upwind	10.0	<0.0022	No
30-Mar-22	Downwind	10.0	<0.0022	No
31-Mar-22	Upwind	10.0	<0.0022	No
31-Mar-22	Downwind	10.0	0.0049	No
1-Apr-22	Upwind	10.0	<0.0022	No
1-Apr-22	Downwind	10.0	<0.0022	No
4-Apr-22	Upwind	10.0	0.0033	No
4-Apr-22	Downwind	10.0	<0.0022	No
5-Apr-22	Upwind	10.0	<0.0022	No
5-Apr-22	Downwind	10.0	<0.0022	No
6-Apr-22	Upwind	10.0	<0.0022	No
6-Apr-22	Downwind	10.0	<0.0022	No
7-Apr-22	Upwind	10.0	<0.0022	No
7-Apr-22	Downwind	10.0	<0.0022	No
8-Apr-22	Upwind	10.0	<0.0022	No
8-Apr-22	Downwind	10.0	<0.0022	No
11-Apr-22	Upwind	Note 1	Note 1	Note 1
11-Apr-22	Downwind	Note 1	Note 1	Note 1
12-Apr-22	Upwind	10.0	<0.0022	No
12-Apr-22	Downwind	10.0	0.0074	No
13-Apr-22	Upwind	10.0	0.0029	No
13-Apr-22	Downwind	10.0	0.0047	No
14-Apr-22	Upwind	Note 1	Note 1	Note 1
14-Apr-22	Downwind	Note 1	Note 1	Note 1
15-Apr-22	Upwind	Note 1	Note 1	Note 1
15-Apr-22	Downwind	Note 1	Note 1	Note 1
18-Apr-22	Upwind	10.0	<0.0022	No
18-Apr-22	Downwind	10.0	<0.0022	No
19-Apr-22	Upwind	10.0	0.0025	No
19-Apr-22	Downwind	10.0	<0.0022	No



**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
20-Apr-22	Upwind	10.0	<0.0022	No
20-Apr-22	Downwind	10.0	<0.0022	No
21-Apr-22	Upwind	Note 1	Note 1	Note 1
21-Apr-22	Downwind	Note 1	Note 1	Note 1
22-Apr-22	Upwind	Note 1	Note 1	Note 1
22-Apr-22	Downwind	Note 1	Note 1	Note 1
25-Apr-22	Upwind	10.0	0.0025	No
25-Apr-22	Downwind	10.0	<0.0022	No
26-Apr-22	Upwind	10.0	<0.0022	No
26-Apr-22	Downwind	10.0	0.0023	No
27-Apr-22	Upwind	10.0	<0.0022	No
27-Apr-22	Downwind	10.0	0.0078	No
28-Apr-22	Upwind	10.0	0.0029	No
28-Apr-22	Downwind	10.0	0.0070	No
29-Apr-22	Upwind	10.0	<0.0022	No
29-Apr-22	Downwind	10.0	<0.0022	No
2-May-22	B606UPWIND	10.0	0.0043	No
2-May-22	12ADOWNWIND	10.0	0.0031	No
3-May-22	B606UPWIND	10.0	0.0043	No
3-May-22	12ADOWNWIND	10.0	0.0025	No
4-May-22	B606UPWIND	10.0	0.0033	No
4-May-22	12ADOWNWIND	10.0	<0.0022	No
5-May-22	B606UPWIND	10.0	0.0035	No
5-May-22	12ADOWNWIND	10.0	<0.0022	No
6-May-22	B606UPWIND	10.0	<0.0022	No
6-May-22	12ADOWNWIND	10.0	0.0080	No
9-May-22	B606UPWIND	10.0	<0.0022	No
9-May-22	12ADOWNWIND	10.0	0.0262	No
10-May-22	B606UPWIND	10.0	<0.0022	No
10-May-22	12ADOWNWIND	10.0	0.0607	No
11-May-22	B606UPWIND	10.0	<0.0022	No
11-May-22	12ADOWNWIND	10.0	0.0590	No
12-May-22	B606UPWIND	10.0	<0.0022	No
12-May-22	12ADOWNWIND	10.0	0.0188	No
13-May-22	B606UPWIND	10.0	<0.0022	No
13-May-22	12ADOWNWIND	10.0	0.0147	No
16-May-22	B606UPWIND	10.0	<0.0022	No
16-May-22	12ADOWNWIND	10.0	0.0278	No
17-May-22	B606UPWIND	10.0	<0.0022	No
17-May-22	12ADOWNWIND	10.0	0.0110	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
18-May-22	B606UPWIND	10.0	<0.0022	No
18-May-22	12ADOWNWIND	10.0	0.0041	No
19-May-22	B606UPWIND	10.0	<0.0022	No
19-May-22	12ADOWNWIND	10.0	0.0127	No
20-May-22	B606UPWIND	10.0	<0.0022	No
20-May-22	12ADOWNWIND	10.0	0.0041	No
31-May-22	B606UPWIND	10.0	0.0029	No
31-May-22	12ADOWNWIND	10.0	0.0086	No
1-Jun-22	B606UPWIND	10.0	0.0033	No
1-Jun-22	12ADOWNWIND	10.0	0.0078	No
2-Jun-22	B606UPWIND	10.0	<0.0022	No
2-Jun-22	12ADOWNWIND	10.0	0.0067	No
3-Jun-22	B606UPWIND	10.0	<0.0022	No
3-Jun-22	12ADOWNWIND	10.0	<0.0022	No
6-Jun-22	B606UPWIND	10.0	<0.0022	No
6-Jun-22	12ADOWNWIND	10.0	<0.0022	No
7-Jun-22	B606UPWIND	10.0	<0.0022	No
7-Jun-22	12ADOWNWIND	10.0	<0.0022	No
8-Jun-22	B606UPWIND	10.0	<0.0022	No
8-Jun-22	12ADOWNWIND	10.0	<0.0022	No
9-Jun-22	B606UPWIND	10.0	<0.0022	No
9-Jun-22	12ADOWNWIND	10.0	<0.0022	No
10-Jun-22	B606UPWIND	10.0	0.0041	No
10-Jun-22	12ADOWNWIND	10.0	<0.0022	No
13-Jun-22	B606UPWIND	10.0	<0.0022	No
13-Jun-22	12ADOWNWIND	10.0	<0.0022	No
14-Jun-22	B606UPWIND	10.0	0.0033	No
14-Jun-22	12ADOWNWIND	10.0	<0.0022	No
15-Jun-22	B606UPWIND	10.0	<0.0022	No
15-Jun-22	12ADOWNWIND	10.0	0.0033	No
16-Jun-22	B606UPWIND	10.0	<0.0022	No
16-Jun-22	12ADOWNWIND	10.0	<0.0022	No
17-Jun-22	B606UPWIND	10.0	<0.0022	No
17-Jun-22	12ADOWNWIND	10.0	<0.0022	No
20-Jun-22	B606UPWIND	10.0	0.0029	No
20-Jun-22	12ADOWNWIND	10.0	<0.0022	No
21-Jun-22	B606UPWIND	10.0	<0.0022	No
21-Jun-22	12ADOWNWIND	10.0	<0.0022	No
22-Jun-22	B606UPWIND	10.0	0.0037	No
22-Jun-22	12ADOWNWIND	10.0	<0.0022	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
23-Jun-22	B606UPWIND	10.0	<0.0022	No
23-Jun-22	12ADOWNWIND	10.0	<0.0022	No
24-Jun-22	B606UPWIND	10.0	<0.0022	No
24-Jun-22	12ADOWNWIND	10.0	<0.0022	No
27-Jun-22	B606UPWIND	10.0	<0.0022	No
27-Jun-22	12ADOWNWIND	10.0	<0.0022	No
28-Jun-22	B606UPWIND	10.0	<0.0022	No
28-Jun-22	12ADOWNWIND	10.0	<0.0022	No
29-Jun-22	B606UPWIND	10.0	<0.0022	No
29-Jun-22	12ADOWNWIND	10.0	<0.0022	No
30-Jun-22	B606UPWIND	10.0	<0.0022	No
30-Jun-22	12ADOWNWIND	10.0	<0.0022	No
1-Jul-22	B606UPWIND	10.0	<0.0022	No
1-Jul-22	12ADOWNWIND	10.0	<0.0022	No
5-Jul-22	B606UPWIND	10.0	<0.0022	No
5-Jul-22	12ADOWNWIND	10.0	<0.0022	No
6-Jul-22	B606UPWIND	10.0	<0.0022	No
6-Jul-22	12ADOWNWIND	10.0	<0.0022	No
7-Jul-22	B606UPWIND	10.0	<0.0022	No
7-Jul-22	12ADOWNWIND	10.0	0.0041	No
8-Jul-22	B606UPWIND	10.0	<0.0022	No
8-Jul-22	12ADOWNWIND	10.0	<0.0022	No
11-Jul-22	B606UPWIND	10.0	<0.0022	No
11-Jul-22	12ADOWNWIND	10.0	0.0025	No
12-Jul-22	B606UPWIND	10.0	<0.0022	No
12-Jul-22	12ADOWNWIND	10.0	<0.0022	No
13-Jul-22	B606UPWIND	10.0	<0.0022	No
13-Jul-22	12ADOWNWIND	10.0	<0.0022	No
14-Jul-22	B606UPWIND	10.0	<0.0022	No
14-Jul-22	12ADOWNWIND	10.0	<0.0022	No
15-Jul-22	B606UPWIND	10.0	<0.0022	No
15-Jul-22	12ADOWNWIND	10.0	<0.0022	No
18-Jul-22	B606UPWIND	10.0	<0.0022 J	No Note 6
18-Jul-22	12ADOWNWIND	10.0	<0.0022 J	No Note 6
19-Jul-22	B606UPWIND	10.0	<0.0022 J	No Note 6
19-Jul-22	12ADOWNWIND	10.0	<0.0022 J	No Note 6
20-Jul-22	B606UPWIND	10.0	<0.0022 J	No Note 6
20-Jul-22	12ADOWNWIND	10.0	0.0108 J	No Note 6
21-Jul-22	B606UPWIND	10.0	<0.0022 J	No Note 6
21-Jul-22	12ADOWNWIND	10.0	0.002 J	No Note 6

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
25-Jul-22	B606UPWIND	10.0	<0.0022	No
25-Jul-22	12ADOWNWIND	10.0	0.0029	No
26-Jul-22	B606UPWIND	10.0	<0.0022	No
26-Jul-22	12ADOWNWIND	10.0	0.00	No
27-Jul-22	B606UPWIND	10.0	<0.0022	No
27-Jul-22	12ADOWNWIND	10.0	<0.0022	No
28-Jul-22	B606UPWIND	10.0	<0.0022	No
28-Jul-22	12ADOWNWIND	10.0	<0.0022	No
1-Aug-22	B606UPWIND	10.0	<0.0022	No
1-Aug-22	12ADOWNWIND	10.0	<0.0022	No
2-Aug-22	B606UPWIND	10.0	<0.0022	No
2-Aug-22	12ADOWNWIND	10.0	<0.0022	No
3-Aug-22	B606UPWIND	10.0	<0.0022	No
3-Aug-22	12ADOWNWIND	10.0	0.0053	No
4-Aug-22	B606UPWIND	10.0	<0.0022	No
4-Aug-22	12ADOWNWIND	10.0	<0.0022	No
8-Aug-22	B606UPWIND	10.0	<0.0022	No
8-Aug-22	12ADOWNWIND	10.0	<0.0022	No
9-Aug-22	B606UPWIND	10.0	<0.0022	No
9-Aug-22	12ADOWNWIND	10.0	0.0065	No
10-Aug-22	B606UPWIND	10.0	<0.0022	No
10-Aug-22	12ADOWNWIND	10.0	0.0070	No
11-Aug-22	B606UPWIND	10.0	0.0037	No
11-Aug-22	12ADOWNWIND	10.0	0.0114	No
15-Aug-22	B606UPWIND	10.0	0.0029	No
15-Aug-22	12ADOWNWIND	10.0	<0.0022	No
16-Aug-22	B606UPWIND	10.0	<0.0022	No
16-Aug-22	12ADOWNWIND	10.0	<0.0022	No
17-Aug-22	B606UPWIND	10.0	0.0057	No
17-Aug-22	12ADOWNWIND	10.0	<0.0022	No
18-Aug-22	B606UPWIND	10.0	0.0037	No
18-Aug-22	12ADOWNWIND	10.0	0.0070	No
22-Aug-22	B606UPWIND	10.0	<0.0022	No
22-Aug-22	12ADOWNWIND	10.0	0.0084	No
23-Aug-22	B606UPWIND	10.0	0.0045	No
23-Aug-22	12ADOWNWIND	10.0	<0.0022	No
24-Aug-22	B606UPWIND	10.0	0.0031	No
24-Aug-22	12ADOWNWIND	10.0	<0.0022	No
25-Aug-22	B606UPWIND	10.0	<0.0022	No
25-Aug-22	12ADOWNWIND	10.0	<0.0022	No

**Attachment 1, Table 4: Asbestos Sampling Results**

<b>Date</b>	<b>Sample Location</b>	<b>Sampling Period (hours)</b>	<b>Asbestos (fibers/cm<sup>3</sup>)</b>	<b>Asbestos Exceedance? (Yes/No)</b>
29-Aug-22	B606UPWIND	10.0	0.0061	No
29-Aug-22	12ADOWNWIND	10.0	0.0047	No
30-Aug-22	B606UPWIND	10.0	<0.0022	No
30-Aug-22	12ADOWNWIND	10.0	<0.0022	No
31-Aug-22	B606UPWIND	10.0	<0.0022	No
31-Aug-22	12ADOWNWIND	10.0	<0.0022	No
1-Sep-22	B606UPWIND	10.0	0.0065	No
1-Sep-22	12ADOWNWIND	10.0	<0.0022	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.

Note 6: Due to laboratory error, cartridges were recieved wet at the subcontract asbestos laboratory; the laboratory proceeded with analysis qualifying the results as

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<sup>3</sup>.

The detection limit is 0.003 fibers/cm<sup>3</sup> assuming a minimum sample volume of 900

< - less than

fibers/cm<sup>3</sup> - fibers per cubic centimeter

# **ATTACHMENT 2**

## **ANALYTICAL LABORATORY REPORTS**

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## ANALYTICAL REPORT

Eurofins Calscience  
2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Tel: (714)895-5494

Laboratory Job ID: 570-106350-1  
Client Project/Site: HPNS - Parcel E / 501158

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

Attn: Rose Condit



Authorized for release by:  
9/2/2022 11:22:53 AM

Terri Chang, Project Manager I  
(657)210-6295  
[Terri.Chang@et.eurofinsus.com](mailto:Terri.Chang@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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



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# Definitions/Glossary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Qualifiers

### Metals

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

## Glossary

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

# Case Narrative

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

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## Job ID: 570-106350-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-106350-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/12/2022 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

#### Metals

Method 6010B: The method blank for preparation batch 570-260192 and analytical batch 570-260624 contained Manganese 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.



# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP080122-B606UPWIND**

**Date Collected: 08/01/22 07:00**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-10**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:21	1
Lead	ND		0.0196	0.00517	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:21	1
<b>Manganese</b>	<b>0.00782</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:21	1

**Client Sample ID: PE-TSP080122-12ADOWNWIND**

**Date Collected: 08/01/22 07:15**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-11**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:24	1
<b>Lead</b>	<b>0.00959</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:24	1
<b>Manganese</b>	<b>0.0262</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:24	1

**Client Sample ID: PE-TSP080222-B606UPWIND**

**Date Collected: 08/02/22 07:00**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-14**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:26	1
<b>Lead</b>	<b>0.00932</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:26	1
<b>Manganese</b>	<b>0.0307</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:26	1

**Client Sample ID: PE-TSP080222-12ADOWNWIND**

**Date Collected: 08/02/22 07:15**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-15**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0303	0.0105	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:29	1
<b>Lead</b>	<b>0.0212</b>		0.0202	0.00531	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:29	1
<b>Manganese</b>	<b>0.0518</b>	<b>B</b>	0.0336	0.00562	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:29	1

**Client Sample ID: PE-TSP080322-B606UPWIND**

**Date Collected: 08/03/22 07:00**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-18**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:37	1
Lead	ND		0.0196	0.00517	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:37	1
<b>Manganese</b>	<b>0.0337</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:37	1

**Client Sample ID: PE-TSP080322-12ADOWNWIND**

**Date Collected: 08/03/22 07:15**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-19**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0303	0.0105	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:40	1
<b>Lead</b>	<b>0.0172</b>	<b>J</b>	0.0202	0.00531	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:40	1
<b>Manganese</b>	<b>0.0843</b>	<b>B</b>	0.0336	0.00562	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:40	1

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP080422-B606UPWIND**  
**Date Collected: 08/04/22 07:00**  
**Date Received: 08/12/22 09:50**  
**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-22**  
**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:43	1
<b>Lead</b>	<b>0.0124</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:43	1
<b>Manganese</b>	<b>0.0421</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:43	1

**Client Sample ID: PE-TSP080422-12ADOWNWIND**  
**Date Collected: 08/04/22 07:15**  
**Date Received: 08/12/22 09:50**  
**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106350-23**  
**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0303	0.0105	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:46	1
<b>Lead</b>	<b>0.0219</b>		0.0202	0.00531	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:46	1
<b>Manganese</b>	<b>0.0803</b>	<b>B</b>	0.0336	0.00562	ug/m3 (Air)		08/29/22 13:02	08/30/22 16:46	1

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## General Chemistry

**Client Sample ID: PE-TSP080122-B606UPWIND**

**Lab Sample ID: 570-106350-10**

**Date Collected: 08/01/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	8.17		4.90	4.90	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-TSP080122-12ADOWNWIND**

**Lab Sample ID: 570-106350-11**

**Date Collected: 08/01/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	39.7		4.90	4.90	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-PM10080122-B606UPWIND**

**Lab Sample ID: 570-106350-12**

**Date Collected: 08/01/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	23.9		4.90	4.90	ug/m3			08/22/22 11:59	1

**Client Sample ID: PE-PM10080122-12ADOWNWIND**

**Lab Sample ID: 570-106350-13**

**Date Collected: 08/01/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	16.8		4.90	4.90	ug/m3			08/22/22 11:59	1

**Client Sample ID: PE-TSP080222-B606UPWIND**

**Lab Sample ID: 570-106350-14**

**Date Collected: 08/02/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	51.5		4.90	4.90	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-TSP080222-12ADOWNWIND**

**Lab Sample ID: 570-106350-15**

**Date Collected: 08/02/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	69.3		5.04	5.04	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-PM10080222-B606UPWIND**

**Lab Sample ID: 570-106350-16**

**Date Collected: 08/02/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	36.5		4.90	4.90	ug/m3			08/22/22 11:59	1

**Client Sample ID: PE-PM10080222-12ADOWNWIND**

**Lab Sample ID: 570-106350-17**

**Date Collected: 08/02/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	22.2		5.04	5.04	ug/m3			08/22/22 11:59	1

Eurofins Calscience

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## General Chemistry

**Client Sample ID: PE-TSP080322-B606UPWIND**

**Lab Sample ID: 570-106350-18**

**Date Collected: 08/03/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	59.8		4.90	4.90	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-TSP080322-12ADOWNWIND**

**Lab Sample ID: 570-106350-19**

**Date Collected: 08/03/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	94.8		5.04	5.04	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-PM10080322-B606UPWIND**

**Lab Sample ID: 570-106350-20**

**Date Collected: 08/03/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	31.7		4.90	4.90	ug/m3			08/22/22 11:59	1

**Client Sample ID: PE-PM10080322-12ADOWNWIND**

**Lab Sample ID: 570-106350-21**

**Date Collected: 08/03/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	24.4		5.04	5.04	ug/m3			08/22/22 11:59	1

**Client Sample ID: PE-TSP080422-B606UPWIND**

**Lab Sample ID: 570-106350-22**

**Date Collected: 08/04/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	82.9		4.90	4.90	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-TSP080422-12ADOWNWIND**

**Lab Sample ID: 570-106350-23**

**Date Collected: 08/04/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	109		5.04	5.04	ug/m3			08/22/22 12:18	1

**Client Sample ID: PE-PM10080422-B606UPWIND**

**Lab Sample ID: 570-106350-24**

**Date Collected: 08/04/22 07:00**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	46.1		4.90	4.90	ug/m3			08/22/22 11:59	1

**Client Sample ID: PE-PM10080422-12ADOWNWIND**

**Lab Sample ID: 570-106350-25**

**Date Collected: 08/04/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	28.9		5.04	5.04	ug/m3			08/22/22 11:59	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Method: 6010B - Metals (ICP)

Lab Sample ID: 570-106350-10MB  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 260192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/29/22 13:02	08/30/22 16:13	1
Lead	ND		12.0	3.16	ug/Sample		08/29/22 13:02	08/30/22 16:13	1
Manganese	9.111	J	20.0	3.34	ug/Sample		08/29/22 13:02	08/30/22 16:13	1

Lab Sample ID: 570-106350-10 LCSD  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 260192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1200	1163		ug/Sample		97	80 - 120	1	20
Lead	1200	1199		ug/Sample		100	80 - 120	1	20
Manganese	1200	1260		ug/Sample		105	80 - 120	2	20

Lab Sample ID: 570-106350-10LCS  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 260192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1200	1151		ug/Sample		96	80 - 120
Lead	1200	1189		ug/Sample		99	80 - 120
Manganese	1200	1236		ug/Sample		103	80 - 120

Lab Sample ID: 570-106350-10 MS  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: PE-TSP080122-B606UPWIND  
 Prep Type: Total/NA  
 Prep Batch: 260192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.96	1.785		ug/m3 (Air)		91	75 - 125
Lead	ND		1.96	1.868		ug/m3 (Air)		95	75 - 125
Manganese	0.00782	J B	1.96	1.973		ug/m3 (Air)		100	75 - 125

Lab Sample ID: 570-106350-10 MSD  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: PE-TSP080122-B606UPWIND  
 Prep Type: Total/NA  
 Prep Batch: 260192

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.96	1.885		ug/m3 (Air)		96	75 - 125	5	20
Lead	ND		1.96	1.993		ug/m3 (Air)		102	75 - 125	6	20
Manganese	0.00782	J B	1.96	2.088		ug/m3 (Air)		106	75 - 125	6	20

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

Lab Sample ID: MB 570-258462/1  
 Matrix: Air  
 Analysis Batch: 258462

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			08/22/22 12:17	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

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

Lab Sample ID: 570-106347-A-10 DU  
 Matrix: Air  
 Analysis Batch: 258462

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Particulates	17.7		17.72		ug/m3		0	25

## Method: PM10 - Particulate Matter

Lab Sample ID: MB 570-258452/1  
 Matrix: Air  
 Analysis Batch: 258452

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			08/22/22 11:59	1

Lab Sample ID: 570-106347-A-12 DU  
 Matrix: Air  
 Analysis Batch: 258452

Client Sample ID: Duplicate  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Particulate Matter	36.7		36.66		ug/m3		0	25

# QC Association Summary

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Metals

### Pre Prep Batch: 260183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106350-10	PE-TSP080122-B606UPWIND	Total/NA	Air	Filter to Air	
570-106350-11	PE-TSP080122-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106350-14	PE-TSP080222-B606UPWIND	Total/NA	Air	Filter to Air	
570-106350-15	PE-TSP080222-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106350-18	PE-TSP080322-B606UPWIND	Total/NA	Air	Filter to Air	
570-106350-19	PE-TSP080322-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106350-22	PE-TSP080422-B606UPWIND	Total/NA	Air	Filter to Air	
570-106350-23	PE-TSP080422-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106350-10 MS	PE-TSP080122-B606UPWIND	Total/NA	Air	Filter to Air	
570-106350-10 MSD	PE-TSP080122-B606UPWIND	Total/NA	Air	Filter to Air	

### Prep Batch: 260192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106350-10	PE-TSP080122-B606UPWIND	Total/NA	Air	3050B AppG	260183
570-106350-11	PE-TSP080122-12ADOWNWIND	Total/NA	Air	3050B AppG	260183
570-106350-14	PE-TSP080222-B606UPWIND	Total/NA	Air	3050B AppG	260183
570-106350-15	PE-TSP080222-12ADOWNWIND	Total/NA	Air	3050B AppG	260183
570-106350-18	PE-TSP080322-B606UPWIND	Total/NA	Air	3050B AppG	260183
570-106350-19	PE-TSP080322-12ADOWNWIND	Total/NA	Air	3050B AppG	260183
570-106350-22	PE-TSP080422-B606UPWIND	Total/NA	Air	3050B AppG	260183
570-106350-23	PE-TSP080422-12ADOWNWIND	Total/NA	Air	3050B AppG	260183
570-106350-10MB	Method Blank	Total/NA	Air	3050B AppG	
570-106350-10 LCSD	Lab Control Sample Dup	Total/NA	Air	3050B AppG	
570-106350-10LCS	Lab Control Sample	Total/NA	Air	3050B AppG	
570-106350-10 MS	PE-TSP080122-B606UPWIND	Total/NA	Air	3050B AppG	260183
570-106350-10 MSD	PE-TSP080122-B606UPWIND	Total/NA	Air	3050B AppG	260183

### Analysis Batch: 260624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106350-10	PE-TSP080122-B606UPWIND	Total/NA	Air	6010B	260192
570-106350-11	PE-TSP080122-12ADOWNWIND	Total/NA	Air	6010B	260192
570-106350-14	PE-TSP080222-B606UPWIND	Total/NA	Air	6010B	260192
570-106350-15	PE-TSP080222-12ADOWNWIND	Total/NA	Air	6010B	260192
570-106350-18	PE-TSP080322-B606UPWIND	Total/NA	Air	6010B	260192
570-106350-19	PE-TSP080322-12ADOWNWIND	Total/NA	Air	6010B	260192
570-106350-22	PE-TSP080422-B606UPWIND	Total/NA	Air	6010B	260192
570-106350-23	PE-TSP080422-12ADOWNWIND	Total/NA	Air	6010B	260192
570-106350-10MB	Method Blank	Total/NA	Air	6010B	260192
570-106350-10 LCSD	Lab Control Sample Dup	Total/NA	Air	6010B	260192
570-106350-10LCS	Lab Control Sample	Total/NA	Air	6010B	260192
570-106350-10 MS	PE-TSP080122-B606UPWIND	Total/NA	Air	6010B	260192
570-106350-10 MSD	PE-TSP080122-B606UPWIND	Total/NA	Air	6010B	260192

## General Chemistry

### Analysis Batch: 258452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106350-12	PE-PM10080122-B606UPWIND	Total/NA	Air	PM10	
570-106350-13	PE-PM10080122-12ADOWNWIND	Total/NA	Air	PM10	
570-106350-16	PE-PM10080222-B606UPWIND	Total/NA	Air	PM10	
570-106350-17	PE-PM10080222-12ADOWNWIND	Total/NA	Air	PM10	

# QC Association Summary

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## General Chemistry (Continued)

### Analysis Batch: 258452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106350-20	PE-PM10080322-B606UPWIND	Total/NA	Air	PM10	
570-106350-21	PE-PM10080322-12ADOWNWIND	Total/NA	Air	PM10	
570-106350-24	PE-PM10080422-B606UPWIND	Total/NA	Air	PM10	
570-106350-25	PE-PM10080422-12ADOWNWIND	Total/NA	Air	PM10	
MB 570-258452/1	Method Blank	Total/NA	Air	PM10	
570-106347-A-12 DU	Duplicate	Total/NA	Air	PM10	

### Analysis Batch: 258462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106350-10	PE-TSP080122-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106350-11	PE-TSP080122-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-106350-14	PE-TSP080222-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106350-15	PE-TSP080222-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-106350-18	PE-TSP080322-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106350-19	PE-TSP080322-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-106350-22	PE-TSP080422-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106350-23	PE-TSP080422-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
MB 570-258462/1	Method Blank	Total/NA	Air	40CFR50 App B	
570-106347-A-10 DU	Duplicate	Total/NA	Air	40CFR50 App B	



Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3182	BAL62	IC	8/26/2022 10:01	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9997	grams	0.9990	1.0010
100.0000	99.9983	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3181	BAL62	IC	8/26/2022 10:00	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0020	grams	0.0015	0.0025

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3140	BAL62	IC	8/25/2022 11:20	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9999	grams	0.9990	1.0010
100.0000	99.9983	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3139	BAL62	IC	8/25/2022 11:19	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0018	grams	0.0015	0.0025

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3011	BAL62	IC	8/22/2022 11:25	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9995	grams	0.9990	1.0010
100.0000	99.9977	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3010	BAL62	IC	8/22/2022 11:24	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0018	grams	0.0015	0.0025

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Client Sample ID: PE-TSP080122-B606UPWIND

## Lab Sample ID: 570-106350-10

Date Collected: 08/01/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:21	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2642 g	4.2692 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-TSP080122-12ADOWNWIND

## Lab Sample ID: 570-106350-11

Date Collected: 08/01/22 07:15

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:24	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2982 g	4.3225 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-PM10080122-B606UPWIND

## Lab Sample ID: 570-106350-12

Date Collected: 08/01/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

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	4.2831 g	4.2977 g	258452	08/22/22 11:59	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-PM10080122-12ADOWNWIND

## Lab Sample ID: 570-106350-13

Date Collected: 08/01/22 07:15

Matrix: Air

Date Received: 08/12/22 09:50

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	4.2689 g	4.2792 g	258452	08/22/22 11:59	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-TSP080222-B606UPWIND

## Lab Sample ID: 570-106350-14

Date Collected: 08/02/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:26	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2589 g	4.2904 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Client Sample ID: PE-TSP080222-12ADOWNWIND

## Lab Sample ID: 570-106350-15

Date Collected: 08/02/22 07:15

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:29	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2679 g	4.3091 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-PM10080222-B606UPWIND

## Lab Sample ID: 570-106350-16

Date Collected: 08/02/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

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	4.2891 g	4.3114 g	258452	08/22/22 11:59	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-PM10080222-12ADOWNWIND

## Lab Sample ID: 570-106350-17

Date Collected: 08/02/22 07:15

Matrix: Air

Date Received: 08/12/22 09:50

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	4.2563 g	4.2695 g	258452	08/22/22 11:59	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-TSP080322-B606UPWIND

## Lab Sample ID: 570-106350-18

Date Collected: 08/03/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:37	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3170 g	4.3536 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

## Client Sample ID: PE-TSP080322-12ADOWNWIND

## Lab Sample ID: 570-106350-19

Date Collected: 08/03/22 07:15

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:40	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2965 g	4.3529 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

**Client Sample ID: PE-PM10080322-B606UPWIND**

**Lab Sample ID: 570-106350-20**

Date Collected: 08/03/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

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	4.2775 g	4.2969 g	258452	08/22/22 11:59	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

**Client Sample ID: PE-PM10080322-12ADOWNWIND**

**Lab Sample ID: 570-106350-21**

Date Collected: 08/03/22 07:15

Matrix: Air

Date Received: 08/12/22 09:50

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	4.3166 g	4.3311 g	258452	08/22/22 11:59	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

**Client Sample ID: PE-TSP080422-B606UPWIND**

**Lab Sample ID: 570-106350-22**

Date Collected: 08/04/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:43	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3054 g	4.3561 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

**Client Sample ID: PE-TSP080422-12ADOWNWIND**

**Lab Sample ID: 570-106350-23**

Date Collected: 08/04/22 07:15

Matrix: Air

Date Received: 08/12/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260183	08/29/22 12:43		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260192	08/29/22 13:02		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 16:46	C0YH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2851 g	4.3498 g	258462	08/22/22 12:18	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

**Client Sample ID: PE-PM10080422-B606UPWIND**

**Lab Sample ID: 570-106350-24**

Date Collected: 08/04/22 07:00

Matrix: Air

Date Received: 08/12/22 09:50

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	4.2496 g	4.2778 g	258452	08/22/22 11:59	B4QL	EET CAL 4
Instrument ID: NOEQUIP										



# Lab Chronicle

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

**Client Sample ID: PE-PM10080422-12ADOWNWIND**

**Lab Sample ID: 570-106350-25**

**Date Collected: 08/04/22 07:15**

**Matrix: Air**

**Date Received: 08/12/22 09:50**

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	4.2373 g	4.2545 g	258452	08/22/22 11:59	B4QL	EET CAL 4

Instrument ID: NOEQUIP

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

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# Accreditation/Certification Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-23

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

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B AppG	Air	Arsenic
6010B	3050B AppG	Air	Lead
6010B	3050B AppG	Air	Manganese

# Method Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106350-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	EET CAL 4
PM10	Particulate Matter	40CFR50J	EET CAL 4
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL
3050B AppG	Preparation, Metals	40CFR50	EET CAL 4
Filter to Air	Filter to Air volume ratio	None	EET CAL 4

#### Protocol References:

40CFR50 = 40 CRF Part 50

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:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, 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 / 501158

Job ID: 570-106350-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-106350-1	PE-ASB080122-B606UPWIND	Air	08/01/22 07:00	08/12/22 09:50
570-106350-2	PE-ASB080122-12ADOWNWIND	Air	08/01/22 07:15	08/12/22 09:50
570-106350-3	PE-ASB080222-B606UPWIND	Air	08/02/22 07:00	08/12/22 09:50
570-106350-4	PE-ASB080222-12ADOWNWIND	Air	08/02/22 07:15	08/12/22 09:50
570-106350-5	PE-ASB080322-B606UPWIND	Air	08/03/22 07:00	08/12/22 09:50
570-106350-6	PE-ASB080322-12ADOWNWIND	Air	08/03/22 07:15	08/12/22 09:50
570-106350-7	PE-ASB080422-B606UPWIND	Air	08/04/22 07:00	08/12/22 09:50
570-106350-8	PE-ASB080422-12ADOWNWIND	Air	08/04/22 07:15	08/12/22 09:50
570-106350-9	PE-ASB080422-BLANK	Air	08/04/22 07:00	08/12/22 09:50
570-106350-10	PE-TSP080122-B606UPWIND	Air	08/01/22 07:00	08/12/22 09:50
570-106350-11	PE-TSP080122-12ADOWNWIND	Air	08/01/22 07:15	08/12/22 09:50
570-106350-12	PE-PM10080122-B606UPWIND	Air	08/01/22 07:00	08/12/22 09:50
570-106350-13	PE-PM10080122-12ADOWNWIND	Air	08/01/22 07:15	08/12/22 09:50
570-106350-14	PE-TSP080222-B606UPWIND	Air	08/02/22 07:00	08/12/22 09:50
570-106350-15	PE-TSP080222-12ADOWNWIND	Air	08/02/22 07:15	08/12/22 09:50
570-106350-16	PE-PM10080222-B606UPWIND	Air	08/02/22 07:00	08/12/22 09:50
570-106350-17	PE-PM10080222-12ADOWNWIND	Air	08/02/22 07:15	08/12/22 09:50
570-106350-18	PE-TSP080322-B606UPWIND	Air	08/03/22 07:00	08/12/22 09:50
570-106350-19	PE-TSP080322-12ADOWNWIND	Air	08/03/22 07:15	08/12/22 09:50
570-106350-20	PE-PM10080322-B606UPWIND	Air	08/03/22 07:00	08/12/22 09:50
570-106350-21	PE-PM10080322-12ADOWNWIND	Air	08/03/22 07:15	08/12/22 09:50
570-106350-22	PE-TSP080422-B606UPWIND	Air	08/04/22 07:00	08/12/22 09:50
570-106350-23	PE-TSP080422-12ADOWNWIND	Air	08/04/22 07:15	08/12/22 09:50
570-106350-24	PE-PM10080422-B606UPWIND	Air	08/04/22 07:00	08/12/22 09:50
570-106350-25	PE-PM10080422-12ADOWNWIND	Air	08/04/22 07:15	08/12/22 09:50



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latesting.com](mailto:gardengrovelab@latesting.com)

LA Testing Order: 332217026

Customer ID: 32CALS51

Customer PO: US0401202817

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 08/16/2022 10:30 AM  
**Analysis Date:** 08/25/2022  
**Collected Date:** 08/01/2022 - 08/04/2022

**Project:** HPNS - PARCEL E / 501158 / 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/mm <sup>2</sup>	Fibers/cc	Notes
PE-ASB080122-B606UPWI ND (570-106350-1) 332217026-0001		08/01/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080122-12ADOWN WIND (570-106350-2) 332217026-0002		08/01/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080222-B606UPWI ND (570-106350-3) 332217026-0003		08/02/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080222-12ADOWN WIND (570-106350-4) 332217026-0004		08/02/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080322-B606UPWI ND (570-106350-5) 332217026-0005		08/03/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080322-12ADOWN WIND (570-106350-6) 332217026-0006		08/03/2022	1200	13	100	0.0022	16.6	0.0053	
PE-ASB080422-B606UPWI ND (570-106350-7) 332217026-0007		08/04/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Sample pulled for 10% recount
PE-ASB080422-12ADOWN WIND (570-106350-8) 332217026-0008		08/04/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080422-BLANK (570-106350-9) 332217026-0009		08/04/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Field Blank
PE-ASB080422-B606UPWI ND (570-106350-7) 332217026-0010		08/04/2022	1200	5.5	100	0.0022	7.01	0.0023	10% Recount; Individual-CV=0.26

The results reported have been blank corrected as applicable.

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 08/25/2022 08:37 AM



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latestesting.com](mailto:gardengrovelab@latestesting.com)

LA Testing Order: 332217026

Customer ID: 32CALS51

Customer PO: US0401202817

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 08/16/2022 10:30 AM  
**Analysis Date:** 08/25/2022  
**Collected Date:** 08/01/2022 - 08/04/2022

**Project:** HPNS - PARCEL E / 501158 / 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/mm <sup>2</sup>	Fibers/cc	Notes
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Analyst(s):  
Sotheary Son PCM 10

Michael Chapman, Laboratory Manager  
or other Approved Signatory

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 08/25/2022 08:37 AM



**Eurofins Calscience**  
 2841 Dow Avenue, Suite 100  
 Tustin, CA 92780  
 Phone: 714-995-5494

**#332217026 Chain of Custody Record**



**eurofins**  
 Environment Testing  
 America

**Client Information (Sub Contract Lab)**

Client Contact: **Terri Chang** | Phone: | Lab Pk. No.: **570-183252-1**

Company: **EMSL Analytical, Inc.** | Address: **5431 Industrial Drive, Huntington Beach, CA 92649** | State of Origin: **California**

Shipping/Receiving: | Date Requested: **8/25/2022** | TAT Requested (days): | Job #: **570-106350-1**

City: **Huntington Beach** | Project Name: **HPNS - Parcel E / 501158** | Project #: **57003235**

State, Zip: **CA 92649** | Site: **SSOW#**

Phone: | Email: | Preservation Codes: **A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amehlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecylhydrate, U - Acetone, V - MCAA, W - pH 4.5, Y - Trizma, Z - other (specify)**

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Metal, Semi-Metal, Organometal, ST=Trace, AA=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Asbestos - Low Flow)/ NIOSH 7400	Analysis Requested	Total Number of containers	Special Instructions/Note:
PE-ASB080122-B606UPWIND (570-106350-1)	8/11/22	07:00 Pacific		Air		X			1	See Attached Instructions
PE-ASB080122-12ADOWNWIND (570-106350-2)	8/11/22	07:15 Pacific		Air		X			1	See Attached Instructions
PE-ASB080222-B606UPWIND (570-106350-3)	8/2/22	07:00 Pacific		Air		X			1	See Attached Instructions
PE-ASB080222-12ADOWNWIND (570-106350-4)	8/2/22	07:15 Pacific		Air		X			1	See Attached Instructions
PE-ASB080322-B606UPWIND (570-106350-5)	8/3/22	07:00 Pacific		Air		X			1	See Attached Instructions
PE-ASB080322-12ADOWNWIND (570-106350-6)	8/3/22	07:15 Pacific		Air		X			1	See Attached Instructions
PE-ASB080422-B606UPWIND (570-106350-7)	8/4/22	07:00 Pacific		Air		X			1	See Attached Instructions
PE-ASB080422-12ADOWNWIND (570-106350-8)	8/4/22	07:15 Pacific		Air		X			1	See Attached Instructions
PE-ASB080422-BLANK (570-106350-9)	8/4/22	07:00 Pacific		Air		X			1	See Attached Instructions

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/test/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 compliance to Eurofins Calscience.

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

Relinquished by: **Terri Chang** | Date: **8/16/22** | Time: **1700**  
 Relinquished by: **Terri Chang** | Date: **8/16/22** | Time: **1700**  
 Relinquished by: **Terri Chang** | Date: **8/16/22** | Time: **1700**  
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 Relinquished by: **Terri Chang** | Date: **8/16/22** | Time: **1700**

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# 332217026

ICOC No:  
570-183252

**Containers**  
**Count** 9      **Container Type**  
Air Monitoring Cassette

**Preservative**  
None

**Subcontract Method Instructions**

Sample IDs	Method	Method Description	Method Comments
1, 2, 3, 4, 5, 6, 7, 8, 9	SUBCONTRACT	SUB (Asbestos - Low Flow)/ NIOSH 7400	please provide standard excel EDD.



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#332217026

AIR MONITORING(DF226494)  
PROJECT NAME:

HPNS Parcel E

PROJ. NO.

501197 Asbestos

STATION

CTO 0024 - AIR 122

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL	TOTAL	Analysis	Flow Rate (L/min.)
						TIME (min)	VOL. (std m <sup>3</sup> )				
DF226219	PE-ASB080122-B606UPWIND	8/1/2022	2.000	2.000	2.000	8/01/22 07:00	8/01/22 17:00	600	1.20	Asbestos	2.00
DF226411	PE-ASB080122-12ADOWNWIND	8/1/2022	2.000	2.000	2.000	8/01/22 07:15	8/01/22 17:15	600	1.20	Asbestos	2.00
DF226284	PE-ASB080222-B606UPWIND	8/2/2022	2.000	2.000	2.000	8/02/22 07:00	8/02/22 17:00	600	1.20	Asbestos	2.00
DF226258	PE-ASB080222-12ADOWNWIND	8/2/2022	2.000	2.000	2.000	8/02/22 07:15	8/02/22 17:15	600	1.20	Asbestos	2.00
DF228188	PE-ASB080322-B606UPWIND	8/3/2022	2.000	2.000	2.000	8/03/22 07:00	8/03/22 17:00	600	1.20	Asbestos	2.00
DF226451	PE-ASB080322-12ADOWNWIND	8/3/2022	2.000	2.000	2.000	8/03/22 07:15	8/03/22 17:15	600	1.20	Asbestos	2.00
DF226508	PE-ASB080422-B606UPWIND	8/4/2022	2.000	2.000	2.000	8/04/22 07:00	8/04/22 17:00	600	1.20	Asbestos	2.00
DF226214	PE-ASB080422-12ADOWNWIND	8/4/2022	2.000	2.000	2.000	8/04/22 07:15	8/04/22 17:15	600	1.20	Asbestos	2.00
DB917036	PE-ASB080422-BLANK	8/4/2022	2.000	2.000	2.000	8/04/22 07:00	8/04/22 17:00	600	1.20	Asbestos	2.00

106350



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

# CHAIN OF CUSTODY

Ref. Document # CTO-0024 - AIR 122

Page 1 of 2

Project Number: 501158  
Project Name: HPNS - Parcel E  
Project Location: San Francisco, CA  
Purchase Order #: 1175705  
Lab Destination: Eurofins-Calscience  
7440 Lincoln Way  
Garden Grove CA 92841  
Lab Contact: Terrn Chang

Project Manager: Nels Johnson  
Send Report To: Rose Condit  
Phone/Fax Number: 415 340 9637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520  
rose\_condit@aptim.com

Sample ID Number	Filter 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
PE-ASB080122-B606UPWIND	DF226219	08/01/22	7 00	G	A	1	PCM	X			2.00	1.20
PE-ASB080122-12ADOWNWIND	DF226411	08/01/22	7 15	G	A	1	PCM	X			2.00	1.20
PE-ASB080222-B606UPWIND	DF226284	08/02/22	7 00	G	A	1	PCM	X			2.00	1.20
PE-ASB080222-12ADOWNWIND	DF226258	08/02/22	7 15	G	A	1	PCM	X			2.00	1.20
PE-ASB080322-B606UPWIND	DF228188	08/03/22	7 00	G	A	1	PCM	X			2.00	1.20
PE-ASB080322-12ADOWNWIND	DF226451	08/03/22	7 15	G	A	1	PCM	X			2.00	1.20
PE-ASB080422-B606UPWIND	DF226508	08/04/22	7 00	G	A	1	PCM	X			2.00	1.20
PE-ASB080422-12ADOWNWIND	DF226214	08/04/22	7 15	G	A	1	PCM	X			2.00	1.20
PE-ASB080422-BLANK	DB917036	08/04/22	7 00	G	A	1	PCM	X			2.00	1.20
Temperature Blank												

Special Instructions: J to MDL

Turn Around Time  
 24-hr  
 5-day  10-day

Relinquished By: Paul DeOcampo  
 Date: 8/10/22  
 Time: 1630

Relinquished By: *[Signature]*  
 Date: 8/10/22  
 Time: 1630

Relinquished By: *[Signature]*  
 Date: 8/12/22  
 Time: 0930

Relinquished By: *[Signature]*  
 Date: 8/12/22  
 Time: 0930

Relinquished By: *[Signature]*  
 Date: 8/12/22  
 Time: 0930

Relinquished By: *[Signature]*  
 Date: 8/12/22  
 Time: 0930

Level Of QC Required:  
 I II III Project Specific  
 Received By: *[Signature]*  
 Date: 8/10/22  
 Time: 1630

Received By: *[Signature]*  
 Date: 8/12/22  
 Time: 0930

Received By: *[Signature]*  
 Date: 8/12/22  
 Time: 0930

Received By: *[Signature]*  
 Date: 8/12/22  
 Time: 0930

Method Codes  
 C = Composite  
 G = Grab  
 SO = Soil

Matrix Codes  
 DW  
 GW  
 WW  
 A=A 570-106350 Chain of Custody

Barcode:

ABS=Asbestos, PO=Pipe Opening



106350



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

# CHAIN OF CUSTODY

Ref. Document # \_\_\_\_\_ Page 2 of 2

CTO 0024 - AIR 122

Project Number: 501158  
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: Rose Condit  
Phone/Fax Number: 4153409637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520

rose.condit@aptim.com

Sample ID Number	Sampler's Name(s): DG,PD	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 (40 CFR 50 App B; NIOSH 7)	Flow Rate (L/min.)	Sample Volume (m <sup>3</sup> )
PE-TSP080122-B606UPWIND		Q0436831	08/01/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP080122-12ADOWNWIND		Q0436829	08/01/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10080122-B606UPWIND		Q0436830	08/01/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10080122-12ADOWNWIND		Q0436828	08/01/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-TSP080222-B606UPWIND		Q0436833	08/02/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	594.7
PE-TSP080222-12ADOWNWIND		Q0436835	08/02/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10080222-B606UPWIND		Q0436834	08/02/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	594.7
PE-PM10080222-12ADOWNWIND		Q0436836	08/02/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	594.7
PE-TSP080322-B606UPWIND		Q0436846	08/03/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP080322-12ADOWNWIND		Q0436844	08/03/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	594.7
PE-PM10080322-B606UPWIND		Q0436845	08/03/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10080322-12ADOWNWIND		Q0436843	08/03/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	594.7
PE-TSP080422-B606UPWIND		Q0436858	08/04/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP080422-12ADOWNWIND		Q0436860	08/04/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	594.7
PE-PM10080422-B606UPWIND		Q0436857	08/04/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10080422-12ADOWNWIND		Q0436859	08/04/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	594.7



10635C

AIR MONITORING DF226494  
PROJECT NAME:

HPNS Parcel E PROJ. NO. 501197 Asbestos

CTO 0024 - AIR 122

STATION

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
DF226219	PE-ASB080122-B606UPWIND	8/1/2022	2 000	2 000	2 000	8/01/22 07 00	8/01/22 17 00	600	1 20	Asbestos	2 00
DF226411	PE-ASB080122-12ADOWNWIND	8/1/2022	2 000	2 000	2 000	8/01/22 07 15	8/01/22 17 15	600	1 20	Asbestos	2 00
DF226284	PE-ASB080222-B606UPWIND	8/2/2022	2 000	2 000	2 000	8/02/22 07 00	8/02/22 17 00	600	1 20	Asbestos	2 00
DF226258	PE-ASB080222-12ADOWNWIND	8/2/2022	2 000	2 000	2 000	8/02/22 07 15	8/02/22 17 15	600	1 20	Asbestos	2 00
DF228188	PE-ASB080322-B606UPWIND	8/3/2022	2 000	2 000	2 000	8/03/22 07 00	8/03/22 17 00	600	1 20	Asbestos	2 00
DF226451	PE-ASB080322-12ADOWNWIND	8/3/2022	2 000	2 000	2 000	8/03/22 07 15	8/03/22 17 15	600	1 20	Asbestos	2 00
DF226508	PE-ASB080422-B606UPWIND	8/4/2022	2 000	2 000	2 000	8/04/22 07 00	8/04/22 17 00	600	1 20	Asbestos	2 00
DF226214	PE-ASB080422-12ADOWNWIND	8/4/2022	2 000	2 000	2 000	8/04/22 07 15	8/04/22 17 15	600	1 20	Asbestos	2 00
DB917036	PE-ASB080422-BLANK	8/4/2022	2 000	2 000	2 000	8/04/22 07 00	8/04/22 17 00	600	1 20	Asbestos	2 00



106350

PROJECT NAME: HPNS Parcel E PROJ. NO. 501158

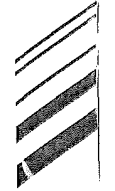
STATION CTO 0024 - AIR 122

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (CFM)		RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)	
			START	STOP	AVERAGE	START					STOP
Q0436831	PE-TSP080122-B606UPWIND	8/1/2022	40	40	40	8/01/22 07:00	8/01/22 16:00	540	611.7	TSP	1132.80
Q0436829	PE-TSP080122-12ADOWNWIND	8/1/2022	40	40	40	8/01/22 07:15	8/01/22 16:15	540	611.7	TSP	1132.80
Q0436830	PE-PM10080122-B606UPWIND	8/1/2022	40	40	40	8/01/22 07:00	8/01/22 16:00	540	611.7	PM-10	1132.80
Q0436828	PE-PM10080122-12ADOWNWIND	8/1/2022	40	40	40	8/01/22 07:15	8/01/22 16:15	540	611.7	PM-10	1132.80
Q0436833	PE-TSP080222-B606UPWIND	8/2/2022	40	40	40	8/02/22 07:00	8/02/22 16:00	540	611.7	TSP	1132.80
Q0436835	PE-TSP080222-12ADOWNWIND	8/2/2022	40	40	40	8/02/22 07:15	8/02/22 16:00	525	594.7	TSP	1132.80
Q0436834	PE-PM10080222-B606UPWIND	8/2/2022	40	40	40	8/02/22 07:00	8/02/22 16:00	540	611.7	PM-10	1132.80
Q0436836	PE-PM10080222-12ADOWNWIND	8/2/2022	40	40	40	8/02/22 07:15	8/02/22 16:00	525	594.7	PM-10	1132.80
Q0436846	PE-TSP080322-B606UPWIND	8/3/2022	40	40	40	8/03/22 07:00	8/03/22 16:00	540	611.7	TSP	1132.80
Q0436844	PE-TSP080322-12ADOWNWIND	8/3/2022	40	40	40	8/03/22 07:15	8/03/22 16:00	525	594.7	TSP	1132.80
Q0436845	PE-PM10080322-B606UPWIND	8/3/2022	40	40	40	8/03/22 07:00	8/03/22 16:00	540	611.7	PM-10	1132.80
Q0436843	PE-PM10080322-12ADOWNWIND	8/3/2022	40	40	40	8/03/22 07:15	8/03/22 16:00	525	594.7	PM-10	1132.80
Q0436858	PE-TSP080422-B606UPWIND	8/4/2022	40	40	40	8/04/22 07:00	8/04/22 16:00	540	611.7	TSP	1132.80
Q0436860	PE-TSP080422-12ADOWNWIND	8/4/2022	40	40	40	8/04/22 07:15	8/04/22 16:00	525	594.7	TSP	1132.80
Q0436857	PE-PM10080422-B606UPWIND	8/4/2022	40	40	40	8/04/22 07:00	8/04/22 16:00	540	611.7	PM-10	1132.80
Q0436859	PE-PM10080422-12ADOWNWIND	8/4/2022	40	40	40	8/04/22 07:15	8/04/22 16:00	525	594.7	PM-10	1132.80

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s //www fedex com/shipping/shpAction handle?method=doContinue

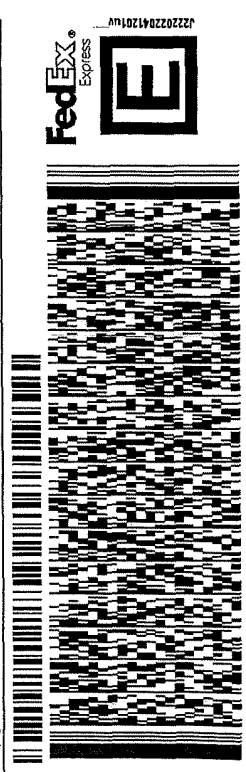
ORIGIN ID:CCRA (925) 689-9022  
 ALAN KEMP  
 EUROFINS CALSCIENCE, INC  
 5063 COMMERCIAL CIRCLE  
 SUITE H  
 CONCORD, CA 94520  
 UNITED STATES US

SHIP DATE: 09AUG22  
 ACTWGT 5.00 LB  
 CAD 1533735/NET4490  
 DIMS 20x10x18 IN

BILL SENDER

TO **SAMPLE RECEIVING**  
**EUROFINS CALSCIENCE-TUSTIN**  
**2841 DOW AVENUE**  
**SUITE 100**  
**TUSTIN CA 92780**

(714) 895-5494  
 INV. REF APTIM HPNS  
 DEPT



WED - 10 AUG 4:30P  
 STANDARD OVERNIGHT

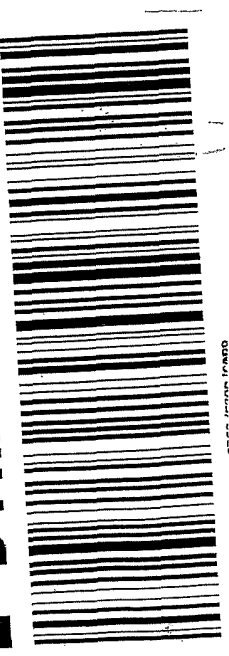
TRK# 7776 1261 0431

92780 SNA

92 DTLLA FRI - 12 AUG AA  
 STANDARD OVERNIGHT

92780 CA-US SNA

92 DTHA



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

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



570-106350 Waybill

FedEx Ship Manager - Print Your Label(s)

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# Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-106350-1

**Login Number: 106350**

**List Number: 1**

**Creator: Patel, Jayesh**

**List Source: Eurofins Calscience**

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

## ANALYTICAL REPORT

Eurofins Calscience  
2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Tel: (714)895-5494

Laboratory Job ID: 570-106710-1  
Client Project/Site: HPNS - Parcel E / 501158

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

Attn: Rose Condit



Authorized for release by:  
9/2/2022 11:28:19 AM

Terri Chang, Project Manager I  
(657)210-6295  
[Terri.Chang@et.eurofinsus.com](mailto:Terri.Chang@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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





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# Definitions/Glossary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Qualifiers

### Metals

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

## Glossary

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

# Case Narrative

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

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## Job ID: 570-106710-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-106710-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/17/2022 10:00 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 22.0° C.

#### Receipt Exceptions

The collection time listed on the COC for the following samples do not match the information listed on the sample envelope:

PE-PM10080822-12ADOWNWIND (570-106710-13): on COC 7:15 am --- on envelope 7:35 am.

PE-TSP080922-B606UPWIND (570-106710-14): on COC 7:00 am --- on envelope 7:25 am.

PE-TSP080922-12ADOWNWIND (570-106710-15): on COC 7:15 am --- on envelope 7:35 am.

#### Metals

Method 6010B: The method blank for preparation batch 570-260193 and analytical batch 570-260624 contained Manganese 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.

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP080822-B606UPWIND**

**Date Collected: 08/08/22 07:00**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106710-10**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:07	1
<b>Lead</b>	<b>0.0100</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:07	1
<b>Manganese</b>	<b>0.0340</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:07	1

**Client Sample ID: PE-TSP080822-12ADOWNWIND**

**Date Collected: 08/08/22 07:15**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106710-11**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:14	1
<b>Lead</b>	<b>0.0193</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:14	1
<b>Manganese</b>	<b>0.0526</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:14	1

**Client Sample ID: PE-TSP080922-B606UPWIND**

**Date Collected: 08/09/22 07:00**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106710-14**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:17	1
<b>Lead</b>	<b>0.0125</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:17	1
<b>Manganese</b>	<b>0.0295</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:17	1

**Client Sample ID: PE-TSP080922-12ADOWNWIND**

**Date Collected: 08/09/22 07:15**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106710-15**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:20	1
<b>Lead</b>	<b>0.0137</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:20	1
<b>Manganese</b>	<b>0.0525</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:20	1

**Client Sample ID: PE-TSP081022-B606UPWIND**

**Date Collected: 08/10/22 07:00**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106710-18**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:23	1
<b>Lead</b>	<b>0.0109</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:23	1
<b>Manganese</b>	<b>0.0375</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:23	1

**Client Sample ID: PE-TSP081022-12ADOWNWIND**

**Date Collected: 08/10/22 07:15**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-106710-19**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:31	1
<b>Lead</b>	<b>0.0232</b>		0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:31	1
<b>Manganese</b>	<b>0.142</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:31	1

# Client Sample Results

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Method: 6010B - Metals (ICP)

Client Sample ID: PE-TSP081122-B606UPWIND

Date Collected: 08/11/22 07:00

Date Received: 08/17/22 10:00

Sample Container: Folder/Filter

Lab Sample ID: 570-106710-22

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:33	1
Lead	0.0102	J	0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:33	1
Manganese	0.0346	B	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:33	1

Client Sample ID: PE-TSP081122-12ADOWNWIND

Date Collected: 08/11/22 07:15

Date Received: 08/17/22 10:00

Sample Container: Folder/Filter

Lab Sample ID: 570-106710-23

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:36	1
Lead	0.0318		0.0196	0.00517	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:36	1
Manganese	0.195	B	0.0327	0.00546	ug/m3 (Air)		08/29/22 13:07	08/30/22 17:36	1

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## General Chemistry

**Client Sample ID: PE-TSP080822-B606UPWIND**

**Lab Sample ID: 570-106710-10**

**Date Collected: 08/08/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	40.5		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-TSP080822-12ADOWNWIND**

**Lab Sample ID: 570-106710-11**

**Date Collected: 08/08/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	67.4		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-PM10080822-B606UPWIND**

**Lab Sample ID: 570-106710-12**

**Date Collected: 08/08/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	30.6		4.90	4.90	ug/m3			08/25/22 19:09	1

**Client Sample ID: PE-PM10080822-12ADOWNWIND**

**Lab Sample ID: 570-106710-13**

**Date Collected: 08/08/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	15.2		4.90	4.90	ug/m3			08/25/22 19:09	1

**Client Sample ID: PE-TSP080922-B606UPWIND**

**Lab Sample ID: 570-106710-14**

**Date Collected: 08/09/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	52.8		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-TSP080922-12ADOWNWIND**

**Lab Sample ID: 570-106710-15**

**Date Collected: 08/09/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	28.1		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-PM10080922-B606UPWIND**

**Lab Sample ID: 570-106710-16**

**Date Collected: 08/09/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	36.8		4.90	4.90	ug/m3			08/25/22 19:09	1

**Client Sample ID: PE-PM10080922-12ADOWNWIND**

**Lab Sample ID: 570-106710-17**

**Date Collected: 08/09/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	29.8		4.90	4.90	ug/m3			08/25/22 19:09	1

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# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## General Chemistry

**Client Sample ID: PE-TSP081022-B606UPWIND**

**Lab Sample ID: 570-106710-18**

**Date Collected: 08/10/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	69.5		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-TSP081022-12ADOWNWIND**

**Lab Sample ID: 570-106710-19**

**Date Collected: 08/10/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	146		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-PM10081022-B606UPWIND**

**Lab Sample ID: 570-106710-20**

**Date Collected: 08/10/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	6.05		4.90	4.90	ug/m3			08/25/22 19:09	1

**Client Sample ID: PE-PM10081022-12ADOWNWIND**

**Lab Sample ID: 570-106710-21**

**Date Collected: 08/10/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	26.8		4.90	4.90	ug/m3			08/25/22 19:09	1

**Client Sample ID: PE-TSP081122-B606UPWIND**

**Lab Sample ID: 570-106710-22**

**Date Collected: 08/11/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	75.0		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-TSP081122-12ADOWNWIND**

**Lab Sample ID: 570-106710-23**

**Date Collected: 08/11/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	208		4.90	4.90	ug/m3			08/25/22 18:51	1

**Client Sample ID: PE-PM10081122-B606UPWIND**

**Lab Sample ID: 570-106710-24**

**Date Collected: 08/11/22 07:00**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	40.7		4.90	4.90	ug/m3			08/25/22 19:09	1

**Client Sample ID: PE-PM10081122-12ADOWNWIND**

**Lab Sample ID: 570-106710-25**

**Date Collected: 08/11/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	35.5		4.90	4.90	ug/m3			08/25/22 19:09	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Method: 6010B - Metals (ICP)

Lab Sample ID: 570-106710-10MB  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 260193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/29/22 13:07	08/30/22 16:59	1
Lead	ND		12.0	3.16	ug/Sample		08/29/22 13:07	08/30/22 16:59	1
Manganese	3.564	J	20.0	3.34	ug/Sample		08/29/22 13:07	08/30/22 16:59	1

Lab Sample ID: 570-106710-10 LCSD  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 260193

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1200	1138		ug/Sample		95	80 - 120	3	20
Lead	1200	1166		ug/Sample		97	80 - 120	3	20
Manganese	1200	1227		ug/Sample		102	80 - 120	3	20

Lab Sample ID: 570-106710-10LCS  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 260193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1200	1169		ug/Sample		97	80 - 120
Lead	1200	1207		ug/Sample		101	80 - 120
Manganese	1200	1269		ug/Sample		106	80 - 120

Lab Sample ID: 570-106710-10 MS  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: PE-TSP080822-B606UPWIND  
 Prep Type: Total/NA  
 Prep Batch: 260193

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.96	1.894		ug/m3 (Air)		97	75 - 125
Lead	0.0100	J	1.96	1.999		ug/m3 (Air)		101	75 - 125
Manganese	0.0340	B	1.96	2.104		ug/m3 (Air)		105	75 - 125

Lab Sample ID: 570-106710-10 MSD  
 Matrix: Air  
 Analysis Batch: 260624

Client Sample ID: PE-TSP080822-B606UPWIND  
 Prep Type: Total/NA  
 Prep Batch: 260193

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.96	1.820		ug/m3 (Air)		93	75 - 125	4	20
Lead	0.0100	J	1.96	1.915		ug/m3 (Air)		97	75 - 125	4	20
Manganese	0.0340	B	1.96	2.005		ug/m3 (Air)		100	75 - 125	5	20

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

Lab Sample ID: MB 570-259562/1  
 Matrix: Air  
 Analysis Batch: 259562

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			08/25/22 18:50	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

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

Lab Sample ID: 570-106710-10 DU  
 Matrix: Air  
 Analysis Batch: 259562

Client Sample ID: PE-TSP080822-B606UPWIND  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Particulates	40.5		40.54		ug/m3		0	25

## Method: PM10 - Particulate Matter

Lab Sample ID: MB 570-259565/1  
 Matrix: Air  
 Analysis Batch: 259565

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			08/25/22 19:09	1

Lab Sample ID: 570-106710-12 DU  
 Matrix: Air  
 Analysis Batch: 259565

Client Sample ID: PE-PM10080822-B606UPWIND  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Particulate Matter	30.6		30.57		ug/m3		0	25

# QC Association Summary

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Metals

### Pre Prep Batch: 260185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106710-10	PE-TSP080822-B606UPWIND	Total/NA	Air	Filter to Air	
570-106710-11	PE-TSP080822-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106710-14	PE-TSP080922-B606UPWIND	Total/NA	Air	Filter to Air	
570-106710-15	PE-TSP080922-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106710-18	PE-TSP081022-B606UPWIND	Total/NA	Air	Filter to Air	
570-106710-19	PE-TSP081022-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106710-22	PE-TSP081122-B606UPWIND	Total/NA	Air	Filter to Air	
570-106710-23	PE-TSP081122-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-106710-10 MS	PE-TSP080822-B606UPWIND	Total/NA	Air	Filter to Air	
570-106710-10 MSD	PE-TSP080822-B606UPWIND	Total/NA	Air	Filter to Air	

### Prep Batch: 260193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106710-10	PE-TSP080822-B606UPWIND	Total/NA	Air	3050B AppG	260185
570-106710-11	PE-TSP080822-12ADOWNWIND	Total/NA	Air	3050B AppG	260185
570-106710-14	PE-TSP080922-B606UPWIND	Total/NA	Air	3050B AppG	260185
570-106710-15	PE-TSP080922-12ADOWNWIND	Total/NA	Air	3050B AppG	260185
570-106710-18	PE-TSP081022-B606UPWIND	Total/NA	Air	3050B AppG	260185
570-106710-19	PE-TSP081022-12ADOWNWIND	Total/NA	Air	3050B AppG	260185
570-106710-22	PE-TSP081122-B606UPWIND	Total/NA	Air	3050B AppG	260185
570-106710-23	PE-TSP081122-12ADOWNWIND	Total/NA	Air	3050B AppG	260185
570-106710-10MB	Method Blank	Total/NA	Air	3050B AppG	
570-106710-10 LCSD	Lab Control Sample Dup	Total/NA	Air	3050B AppG	
570-106710-10LCS	Lab Control Sample	Total/NA	Air	3050B AppG	
570-106710-10 MS	PE-TSP080822-B606UPWIND	Total/NA	Air	3050B AppG	260185
570-106710-10 MSD	PE-TSP080822-B606UPWIND	Total/NA	Air	3050B AppG	260185

### Analysis Batch: 260624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106710-10	PE-TSP080822-B606UPWIND	Total/NA	Air	6010B	260193
570-106710-11	PE-TSP080822-12ADOWNWIND	Total/NA	Air	6010B	260193
570-106710-14	PE-TSP080922-B606UPWIND	Total/NA	Air	6010B	260193
570-106710-15	PE-TSP080922-12ADOWNWIND	Total/NA	Air	6010B	260193
570-106710-18	PE-TSP081022-B606UPWIND	Total/NA	Air	6010B	260193
570-106710-19	PE-TSP081022-12ADOWNWIND	Total/NA	Air	6010B	260193
570-106710-22	PE-TSP081122-B606UPWIND	Total/NA	Air	6010B	260193
570-106710-23	PE-TSP081122-12ADOWNWIND	Total/NA	Air	6010B	260193
570-106710-10MB	Method Blank	Total/NA	Air	6010B	260193
570-106710-10 LCSD	Lab Control Sample Dup	Total/NA	Air	6010B	260193
570-106710-10LCS	Lab Control Sample	Total/NA	Air	6010B	260193
570-106710-10 MS	PE-TSP080822-B606UPWIND	Total/NA	Air	6010B	260193
570-106710-10 MSD	PE-TSP080822-B606UPWIND	Total/NA	Air	6010B	260193

## General Chemistry

### Analysis Batch: 259562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106710-10	PE-TSP080822-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106710-11	PE-TSP080822-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-106710-14	PE-TSP080922-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106710-15	PE-TSP080922-12ADOWNWIND	Total/NA	Air	40CFR50 App B	

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# QC Association Summary

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## General Chemistry (Continued)

### Analysis Batch: 259562 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106710-18	PE-TSP081022-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106710-19	PE-TSP081022-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-106710-22	PE-TSP081122-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-106710-23	PE-TSP081122-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
MB 570-259562/1	Method Blank	Total/NA	Air	40CFR50 App B	
570-106710-10 DU	PE-TSP080822-B606UPWIND	Total/NA	Air	40CFR50 App B	

### Analysis Batch: 259565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-106710-12	PE-PM10080822-B606UPWIND	Total/NA	Air	PM10	
570-106710-13	PE-PM10080822-12ADOWNWIND	Total/NA	Air	PM10	
570-106710-16	PE-PM10080922-B606UPWIND	Total/NA	Air	PM10	
570-106710-17	PE-PM10080922-12ADOWNWIND	Total/NA	Air	PM10	
570-106710-20	PE-PM10081022-B606UPWIND	Total/NA	Air	PM10	
570-106710-21	PE-PM10081022-12ADOWNWIND	Total/NA	Air	PM10	
570-106710-24	PE-PM10081122-B606UPWIND	Total/NA	Air	PM10	
570-106710-25	PE-PM10081122-12ADOWNWIND	Total/NA	Air	PM10	
MB 570-259565/1	Method Blank	Total/NA	Air	PM10	
570-106710-12 DU	PE-PM10080822-B606UPWIND	Total/NA	Air	PM10	

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3182	BAL62	IC	8/26/2022 10:01	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9997	grams	0.9990	1.0010
100.0000	99.9983	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3181	BAL62	IC	8/26/2022 10:00	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0020	grams	0.0015	0.0025

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3140	BAL62	IC	8/25/2022 11:20	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9999	grams	0.9990	1.0010
100.0000	99.9983	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3139	BAL62	IC	8/25/2022 11:19	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0018	grams	0.0015	0.0025

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3011	BAL62	IC	8/22/2022 11:25	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9995	grams	0.9990	1.0010
100.0000	99.9977	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3010	BAL62	IC	8/22/2022 11:24	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0018	grams	0.0015	0.0025

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Client Sample ID: PE-TSP080822-B606UPWIND

Lab Sample ID: 570-106710-10

Date Collected: 08/08/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:07	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3310 g	4.3558 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP080822-12ADOWNWIND

Lab Sample ID: 570-106710-11

Date Collected: 08/08/22 07:15

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:14	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2882 g	4.3294 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10080822-B606UPWIND

Lab Sample ID: 570-106710-12

Date Collected: 08/08/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

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	4.2590 g	4.2777 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10080822-12ADOWNWIND

Lab Sample ID: 570-106710-13

Date Collected: 08/08/22 07:15

Matrix: Air

Date Received: 08/17/22 10:00

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	4.3029 g	4.3122 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP080922-B606UPWIND

Lab Sample ID: 570-106710-14

Date Collected: 08/09/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:17	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2498 g	4.2821 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Client Sample ID: PE-TSP080922-12ADOWNWIND

Lab Sample ID: 570-106710-15

Date Collected: 08/09/22 07:15

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:20	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2340 g	4.2512 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10080922-B606UPWIND

Lab Sample ID: 570-106710-16

Date Collected: 08/09/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

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	4.3345 g	4.3570 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10080922-12ADOWNWIND

Lab Sample ID: 570-106710-17

Date Collected: 08/09/22 07:15

Matrix: Air

Date Received: 08/17/22 10:00

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	4.2435 g	4.2617 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081022-B606UPWIND

Lab Sample ID: 570-106710-18

Date Collected: 08/10/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:23	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2408 g	4.2833 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081022-12ADOWNWIND

Lab Sample ID: 570-106710-19

Date Collected: 08/10/22 07:15

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:31	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2241 g	4.3135 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

**Client Sample ID: PE-PM10081022-B606UPWIND**

**Lab Sample ID: 570-106710-20**

Date Collected: 08/10/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

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	4.3090 g	4.3127 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

**Client Sample ID: PE-PM10081022-12ADOWNWIND**

**Lab Sample ID: 570-106710-21**

Date Collected: 08/10/22 07:15

Matrix: Air

Date Received: 08/17/22 10:00

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	4.2845 g	4.3009 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

**Client Sample ID: PE-TSP081122-B606UPWIND**

**Lab Sample ID: 570-106710-22**

Date Collected: 08/11/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:33	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2620 g	4.3079 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

**Client Sample ID: PE-TSP081122-12ADOWNWIND**

**Lab Sample ID: 570-106710-23**

Date Collected: 08/11/22 07:15

Matrix: Air

Date Received: 08/17/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260185	08/29/22 12:47		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260193	08/29/22 13:07		EET CAL 4
Total/NA	Analysis	6010B		1			260624	08/30/22 17:36	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.2482 g	4.3755 g	259562	08/25/22 18:51	UWCT	EET CAL 4
Instrument ID: BAL62										

**Client Sample ID: PE-PM10081122-B606UPWIND**

**Lab Sample ID: 570-106710-24**

Date Collected: 08/11/22 07:00

Matrix: Air

Date Received: 08/17/22 10:00

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	4.3163 g	4.3412 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

# Lab Chronicle

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

**Client Sample ID: PE-PM10081122-12ADOWNWIND**

**Lab Sample ID: 570-106710-25**

**Date Collected: 08/11/22 07:15**

**Matrix: Air**

**Date Received: 08/17/22 10:00**

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	4.3093 g	4.3310 g	259565	08/25/22 19:09	UWCT	EET CAL 4
Instrument ID: BAL62										

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

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# Accreditation/Certification Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-23

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

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B AppG	Air	Arsenic
6010B	3050B AppG	Air	Lead
6010B	3050B AppG	Air	Manganese

# Method Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-106710-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	EET CAL 4
PM10	Particulate Matter	40CFR50J	EET CAL 4
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL
3050B AppG	Preparation, Metals	40CFR50	EET CAL 4
Filter to Air	Filter to Air volume ratio	None	EET CAL 4

#### Protocol References:

40CFR50 = 40 CRF Part 50

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:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, 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 / 501158

Job ID: 570-106710-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-106710-1	PE-ASB080822-B606UPWIND	Air	08/08/22 07:00	08/17/22 10:00
570-106710-2	PE-ASB080822-12ADOWNWIND	Air	08/08/22 07:15	08/17/22 10:00
570-106710-3	PE-ASB080922-B606UPWIND	Air	08/09/22 07:00	08/17/22 10:00
570-106710-4	PE-ASB080922-12ADOWNWIND	Air	08/09/22 07:15	08/17/22 10:00
570-106710-5	PE-ASB081022-B606UPWIND	Air	08/10/22 07:00	08/17/22 10:00
570-106710-6	PE-ASB081022-12ADOWNWIND	Air	08/10/22 07:15	08/17/22 10:00
570-106710-7	PE-ASB081122-B606UPWIND	Air	08/11/22 07:00	08/17/22 10:00
570-106710-8	PE-ASB081122-12ADOWNWIND	Air	08/11/22 07:15	08/17/22 10:00
570-106710-9	PE-ASB081122-BLANK	Air	08/11/22 07:00	08/17/22 10:00
570-106710-10	PE-TSP080822-B606UPWIND	Air	08/08/22 07:00	08/17/22 10:00
570-106710-11	PE-TSP080822-12ADOWNWIND	Air	08/08/22 07:15	08/17/22 10:00
570-106710-12	PE-PM10080822-B606UPWIND	Air	08/08/22 07:00	08/17/22 10:00
570-106710-13	PE-PM10080822-12ADOWNWIND	Air	08/08/22 07:15	08/17/22 10:00
570-106710-14	PE-TSP080922-B606UPWIND	Air	08/09/22 07:00	08/17/22 10:00
570-106710-15	PE-TSP080922-12ADOWNWIND	Air	08/09/22 07:15	08/17/22 10:00
570-106710-16	PE-PM10080922-B606UPWIND	Air	08/09/22 07:00	08/17/22 10:00
570-106710-17	PE-PM10080922-12ADOWNWIND	Air	08/09/22 07:15	08/17/22 10:00
570-106710-18	PE-TSP081022-B606UPWIND	Air	08/10/22 07:00	08/17/22 10:00
570-106710-19	PE-TSP081022-12ADOWNWIND	Air	08/10/22 07:15	08/17/22 10:00
570-106710-20	PE-PM10081022-B606UPWIND	Air	08/10/22 07:00	08/17/22 10:00
570-106710-21	PE-PM10081022-12ADOWNWIND	Air	08/10/22 07:15	08/17/22 10:00
570-106710-22	PE-TSP081122-B606UPWIND	Air	08/11/22 07:00	08/17/22 10:00
570-106710-23	PE-TSP081122-12ADOWNWIND	Air	08/11/22 07:15	08/17/22 10:00
570-106710-24	PE-PM10081122-B606UPWIND	Air	08/11/22 07:00	08/17/22 10:00
570-106710-25	PE-PM10081122-12ADOWNWIND	Air	08/11/22 07:15	08/17/22 10:00



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latesting.com](mailto:gardengrovelab@latesting.com)

LA Testing Order: 332217224

Customer ID: 32CALS51

Customer PO: US0401202817

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 08/19/2022 09:40 AM  
**Analysis Date:** 08/26/2022  
**Collected Date:** 08/08/2022 - 08/11/2022

**Project:** HPNS- PARCEL E/ 501158 / 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/mm <sup>2</sup>	Fibers/cc	Notes
PE-ASB080822-B606UPWI ND 332217224-0001		08/08/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080822-12ADOWN WIND 332217224-0002		08/08/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080922-B606UPWI ND 332217224-0003		08/09/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB080922-12ADOWN WIND 332217224-0004		08/09/2022	1200	16	100	0.0022	20.4	0.0065	
PE-ASB081022-B606UPWI ND 332217224-0005		08/10/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB081022-12ADOWN WIND 332217224-0006		08/10/2022	1200	17	100	0.0022	21.7	0.0070	Sample pulled for 10% recount
PE-ASB081122-B606UPWI ND 332217224-0007		08/11/2022	1200	9	100	0.0022	11.5	0.0037	
PE-ASB081122-12ADOWN WIND 332217224-0008		08/11/2022	1200	28	100	0.0022	35.7	0.0114	
PE-ASB081122-BLANK 332217224-0009		08/11/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Field Blank
PE-ASB081022-12ADOWN WIND 332217224-0010		08/10/2022	1200	15.5	100	0.0022	19.7	0.0063	10% Recount; Individual-CV=0.26

The results reported have been blank corrected as applicable.

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 08/26/2022 04:24 PM



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latestesting.com](mailto:gardengrovelab@latestesting.com)

LA Testing Order: 332217224

Customer ID: 32CALS51

Customer PO: US0401202817

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 08/19/2022 09:40 AM  
**Analysis Date:** 08/26/2022  
**Collected Date:** 08/08/2022 - 08/11/2022

**Project:** HPNS- PARCEL E/ 501158 / 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/mm <sup>2</sup>	Fibers/cc	Notes
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Analyst(s): \_\_\_\_\_

Sotheyary Son PCM 10

Michael Chapman, Laboratory Manager  
or other Approved Signatory

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 08/26/2022 04:24 PM

**Eurofins Calscience**  
 2841 Dow Avenue, Suite 100  
 Tustin, CA 92780  
 Phone: 714-995-5494

# 332217224

**Chain of Custody Record**



**eurofins**  
 Environment Testing  
 America

<b>Client Information (Sub Contract Lab)</b>	Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact:	Phone:	Chang, Terri		570-183882.1
Shipping/Receiving:		E-Mail:	State of Origin:	Page: Page 1 of 1
Company:		Terrl.Chang@eurofins.com	California	Job #: 570-106710-1
EMSL Analytical, Inc.		Accreditations Required (See note):		570-106710-1
Address:	Due Date Requested:			
5431 Industrial Drive,	8/30/2022			
City:	TAT Requested (days):			
Huntington Beach				
State, Zip:				
CA, 92649				
Phone:	PO #:			
Email:	WO #:			
Project Name:	Project #:			
HPNS - Parcel E / 501158	57003235			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Organic, A=Air)	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers	Special Instructions/Note:
					Preservation Code:					
PE-ASB080822-B606UPWIND (570-106710-1)	8/8/22	07:00 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB080822-12ADOWNWIND (570-106710-2)	8/8/22	07:15 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB080922-B606UPWIND (570-106710-3)	8/9/22	07:00 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB080922-12ADOWNWIND (570-106710-4)	8/9/22	07:15 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB081022-B606UPWIND (570-106710-5)	8/10/22	07:00 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB081022-12ADOWNWIND (570-106710-6)	8/10/22	07:15 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB081122-B606UPWIND (570-106710-7)	8/11/22	07:00 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB081122-12ADOWNWIND (570-106710-8)	8/11/22	07:15 Pacific		Air	X		X		1	See Attached Instructions
PE-ASB081122-BLANK (570-106710-9)	8/11/22	07:00 Pacific		Air	X		X		1	See Attached Instructions

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/est/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 compliance to Eurofins Calscience.

**Possible Hazard Identification**

Uncertified

Deliverable Requested: I, II, III, IV, Other (specify) \_\_\_\_\_ Primary Deliverable Rank: 2

Special Instructions/QC Requirements: \_\_\_\_\_

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Expiry Kit Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished by: *Olga Cinelas* Date/Time: *8/18/22 1700* Company: *EQ*

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Custody Seals Intact:  Yes  No Custody Seal No.: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks: \_\_\_\_\_

Method of Shipment: \_\_\_\_\_

Received by: *EMM Wadsworth by Ng (FX)* Date/Time: *8/19/22 9:40 AM* Company: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: \_\_\_\_\_

Ver: 06/08/2021



# 332217224

ICOC No:  
570-183882

**Containers**  
Count 9      Container Type  
Air Monitoring Cassette

Preservative  
None

**Subcontract Method Instructions**

Sample IDs	Method	Method Description	Method Comments
1, 2, 3, 4, 5, 6, 7, 8, 9	SUBCONTRACT	SUB (Asbestos - Low Flow)/ NIOSH 7400	please provide standard excel EDD.

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

# 332217224

AIR MONITORING DF226494  
PROJECT NAME:

HPNS Parcel E

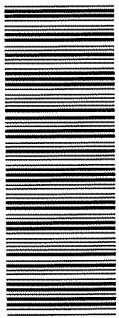
PROJ. NO.

501197 Asbestos

CTO 0024 - AIR 123

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL	TOTAL	Analysis	Flow Rate (L/min.)
						TIME (min)	VOL. (std m <sup>3</sup> )				
DF226202	PE-ASB080822-B606UPWIND	8/8/2022	2.000	2.000	2.000	8/08/22 07:00	8/08/22 17:00	600	1.20	Asbestos	2.00
DF226209	PE-ASB080822-12ADOWNWIND	8/8/2022	2.000	2.000	2.000	8/08/22 07:15	8/08/22 17:15	600	1.20	Asbestos	2.00
DB917033	PE-ASB080922-B606UPWIND	8/9/2022	2.000	2.000	2.000	8/09/22 07:00	8/09/22 17:00	600	1.20	Asbestos	2.00
DB917011	PE-ASB080922-12ADOWNWIND	8/9/2022	2.000	2.000	2.000	8/09/22 07:15	8/09/22 17:15	600	1.20	Asbestos	2.00
DB917020	PE-ASB081022-B606UPWIND	8/10/2022	2.000	2.000	2.000	8/10/22 07:00	8/10/22 17:00	600	1.20	Asbestos	2.00
DF917040	PE-ASB081022-12ADOWNWIND	8/10/2022	2.000	2.000	2.000	8/10/22 07:15	8/10/22 17:15	600	1.20	Asbestos	2.00
DB916998	PE-ASB081122-B606UPWIND	8/11/2022	2.000	2.000	2.000	8/11/22 07:00	8/11/22 17:00	600	1.20	Asbestos	2.00
DB916994	PE-ASB081122-12ADOWNWIND	8/11/2022	2.000	2.000	2.000	8/11/22 07:15	8/11/22 17:15	600	1.20	Asbestos	2.00
DB917001	PE-ASB081122-BLANK	8/11/2022	2.000	2.000	2.000	8/11/22 07:00	8/11/22 17:00	600	1.20	Asbestos	2.00





570-106710 Chain of Custody



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

# CHAIN OF CUSTODY

Ref. Document #

CTO 0024 - AIR 123

Page 1 of 2

106710

Project Number: 501158  
Project Name: HPNS - Parcel E  
Project Location: San Francisco, CA  
Purchase Order #: 1175705  
Lab Destination: Eurofins-Calscience  
7440 Lincoln Way  
Garden Grove CA 92841  
Lab Contact: Terr Chang

Project Manager: Nels Johnson  
Send Report To: Rose Condit  
Phone/Fax Number: 415 340 9637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520  
rose\_condit@aptim.com

Sample ID Number	Filter No.	Collection Information		Method	Matrix	# of containers	Container Type	Analyses Requested					
		Date	Time					PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb	Flow Rate (L/min.)	Sample Volume (m <sup>3</sup> )
PE-ASB080822-B606UPWIND	DF226202	08/08/22	7 00	G	A	1	PCM	X	X			2.00	1.20
PE-ASB080822-12ADOWNWIND	DF226209	08/08/22	7 15	G	A	1	PCM	X	X			2.00	1.20
PE-ASB080922-B606UPWIND	DB917033	08/09/22	7 00	G	A	1	PCM	X	X			2.00	1.20
PE-ASB080922-12ADOWNWIND	DB917011	08/09/22	7 15	G	A	1	PCM	X	X			2.00	1.20
PE-ASB081022-B606UPWIND	DB917020	08/10/22	7 00	G	A	1	PCM	X	X			2.00	1.20
PE-ASB081022-12ADOWNWIND	DF917040	08/10/22	7 15	G	A	1	PCM	X	X			2.00	1.20
PE-ASB081122-B606UPWIND	DB916998	08/11/22	7 00	G	A	1	PCM	X	X			2.00	1.20
PE-ASB081122-12ADOWNWIND	DB916994	08/11/22	7 15	G	A	1	PCM	X	X			2.00	1.20
PE-ASB081122-BLANK	DB917001	08/11/22	7 00	G	A	1	PCM	X	X			2.00	1.20
Temperature Blank													

Special Instructions: J to MDL

Turn Around Time  
 24-hr  
 5-day  10-day

Relinquished By: *Dominick Gregory* Date: 8/16/22  
 Relinquished By: *[Signature]* Date: 8/16/22  
 Relinquished By: *[Signature]* Date: 8/16/22  
 Relinquished By: *[Signature]* Date: 8/16/22

Received By: *[Signature]* Date: 8/16/22  
 Received By: *[Signature]* Date: 8/16/22  
 Received By: *[Signature]* Date: 8/16/22  
 Received By: *[Signature]* Date: 8/16/22

Level Of QC Required:  I  II  III

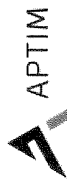
Project Specific: Fed ex 7776 7461 9529  
 Date: 8/16/22  
 Time: 1630

Method Codes  
 C = Composite  
 Matrix Codes  
 DW = Drinking Water  
 GW = Ground Water  
 WW = Waste Water  
 A = Air

G = Grab  
 SO = Soil  
 SL = Sludge  
 CP = Chip Samples

ABS=Asbestos, PO=Pipe Opening





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

# CHAIN OF CUSTODY

Ref. Document # CTO 0024-AIR 123  
Page 2 of 2

Project Number: 501158  
Project Name: HPNS - Parcel E  
Project Location: San Francisco, CA  
Lab Destination: Calscience  
7440 Lincoln Way  
Garden Grove CA 92841  
Lab Contact: Terr Chang

Send Report To: Rose Condit  
Phone/Fax Number: 4153409637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520

rose.condit@aptim.com

Sample ID Number	Sampler's Name(s): DG,PD	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 (40 CFR 50 App B; NIOSH 7083)	Flow Rate (L/min.)	Sample Volume (m <sup>3</sup> )
PE-TSP080822-B606UPWIND		Q0436868	08/08/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP080822-12ADOWNWIND		Q0436866	08/08/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10080822-B606UPWIND		Q0436867	08/08/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10080822-12ADOWNWIND		Q0436865	08/08/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-TSP080922-B606UPWIND		Q0436872	08/09/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP080922-12ADOWNWIND		Q0436874	08/09/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10080922-B606UPWIND		Q0436873	08/09/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10080922-12ADOWNWIND		Q0436875	08/09/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-TSP081022-B606UPWIND		Q0436882	08/10/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP081022-12ADOWNWIND		Q0436884	08/10/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10081022-B606UPWIND		Q0436883	08/10/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10081022-12ADOWNWIND		Q0436885	08/10/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-TSP081122-B606UPWIND		Q0436887	08/11/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP081122-12ADOWNWIND		Q0436889	08/11/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10081122-B606UPWIND		Q0436888	08/11/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10081122-12ADOWNWIND		Q0436890	08/11/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7



AIR MONITORING DF226494  
PROJECT NAME:

HPNS Parcel E PROJ. NO. 501197 Asbestos

STATION

CTO 0024 - AIR 123

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)	TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
DF226202	PE-ASB080822-B606UPWIND	8/8/2022	2 000	2 000	2 000	8/08/22 07:00 - 8/08/22 17:00	600	1 20	Asbestos	2 00
DF226209	PE-ASB080822-12ADOWNWIND	8/8/2022	2 000	2 000	2 000	8/08/22 07:15 - 8/08/22 17:15	600	1 20	Asbestos	2 00
DB917033	PE-ASB080922-B606UPWIND	8/9/2022	2 000	2 000	2 000	8/09/22 07:00 - 8/09/22 17:00	600	1 20	Asbestos	2 00
DB917011	PE-ASB080922-12ADOWNWIND	8/9/2022	2 000	2 000	2 000	8/09/22 07:15 - 8/09/22 17:15	600	1 20	Asbestos	2 00
DB917020	PE-ASB081022-B606UPWIND	8/10/2022	2 000	2 000	2 000	8/10/22 07:00 - 8/10/22 17:00	600	1 20	Asbestos	2 00
DF917040	PE-ASB081022-12ADOWNWIND	8/10/2022	2 000	2 000	2 000	8/10/22 07:15 - 8/10/22 17:15	600	1 20	Asbestos	2 00
DB916998	PE-ASB081122-B606UPWIND	8/11/2022	2 000	2 000	2 000	8/11/22 07:00 - 8/11/22 17:00	600	1 20	Asbestos	2 00
DB916994	PE-ASB081122-12ADOWNWIND	8/11/2022	2 000	2 000	2 000	8/11/22 07:15 - 8/11/22 17:15	600	1 20	Asbestos	2 00
DB917001	PE-ASB081122-BLANK	8/11/2022	2 000	2 000	2 000	8/11/22 07:00 - 8/11/22 17:00	600	1 20	Asbestos	2.00



PROJECT NAME:

HPNS Parcel E

PROJ. NO.

501158

CTO 0024 - AIR 123

STATION

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (CFM)		RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)	
			START	STOP	AVERAGE	START					STOP
Q0436868	PE-TSP080822-B606UPWIND	8/8/2022	40	40	40	8/08/22 07:00	8/08/22 16:00	540	611.7	TSP	1132.80
Q0436866	PE-TSP080822-12ADOWNWIND	8/8/2022	40	40	40	8/08/22 07:15	8/08/22 16:15	540	611.7	TSP	1132.80
Q0436867	PE-PM10080822-B606UPWIND	8/8/2022	40	40	40	8/08/22 07:00	8/08/22 16:00	540	611.7	PM-10	1132.80
Q0436865	PE-PM10080822-12ADOWNWIND	8/8/2022	40	40	40	8/08/22 07:15	8/08/22 16:15	540	611.7	PM-10	1132.80
Q0436872	PE-TSP080922-B606UPWIND	8/9/2022	40	40	40	8/09/22 07:00	8/09/22 16:00	540	611.7	TSP	1132.80
Q0436874	PE-TSP080922-12ADOWNWIND	8/9/2022	40	40	40	8/09/22 07:15	8/09/22 16:15	540	611.7	TSP	1132.80
Q0436873	PE-PM10080922-B606UPWIND	8/9/2022	40	40	40	8/09/22 07:00	8/09/22 16:00	540	611.7	PM-10	1132.80
Q0436875	PE-PM10080922-12ADOWNWIND	8/9/2022	40	40	40	8/09/22 07:15	8/09/22 16:15	540	611.7	PM-10	1132.80
Q0436882	PE-TSP081022-B606UPWIND	8/10/2022	40	40	40	8/10/22 07:00	8/10/22 16:00	540	611.7	TSP	1132.80
Q0436884	PE-TSP081022-12ADOWNWIND	8/10/2022	40	40	40	8/10/22 07:15	8/10/22 16:15	540	611.7	TSP	1132.80
Q0436883	PE-PM10081022-B606UPWIND	8/10/2022	40	40	40	8/10/22 07:00	8/10/22 16:00	540	611.7	PM-10	1132.80
Q0436885	PE-PM10081022-12ADOWNWIND	8/10/2022	40	40	40	8/10/22 07:15	8/10/22 16:15	540	611.7	PM-10	1132.80
Q0436887	PE-TSP081122-B606UPWIND	8/11/2022	40	40	40	8/11/22 07:00	8/11/22 16:00	540	611.7	TSP	1132.80
Q0436889	PE-TSP081122-12ADOWNWIND	8/11/2022	40	40	40	8/11/22 07:15	8/11/22 16:15	540	611.7	TSP	1132.80
Q0436888	PE-PM10081122-B606UPWIND	8/11/2022	40	40	40	8/11/22 07:00	8/11/22 16:00	540	611.7	PM-10	1132.80
Q0436890	PE-PM10081122-12ADOWNWIND	8/11/2022	40	40	40	8/11/22 07:15	8/11/22 16:15	540	611.7	PM-10	1132.80



ORIGIN ID:CCRA (925) 689-9022  
ALAN KEMP  
EUROFINS CALSCIENCE, INC  
5063 COMMERCIAL CIRCLE  
SUITE H  
CONCORD, CA 94520  
UNITED STATES US

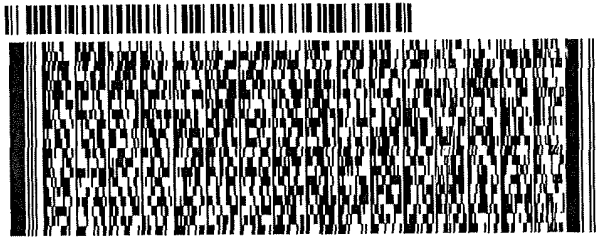
SHIP DATE: 16AUG22  
ACTWGT 5 00 LB  
CAD 1533735/INET4490

BILL SENDER

TO **SAMPLE RECEIVING**  
**EUROFINS CALSCIENCE-TUSTIN**  
**2841 DOW AVENUE**  
**SUITE 100**  
**TUSTIN CA 92780**

581JZ/F39D/FEZO

(714) 895-5494 REF APTIMHNPS  
INV DEPT  
PO

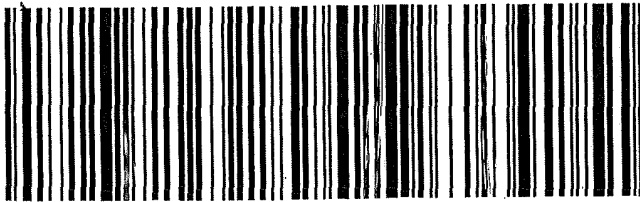


WED - 17 AUG 4:30P  
STANDARD OVERNIGHT

TRK# 7776 7461 9529  
0201

**92 DTHA**

92780  
CA-US SNA



570-106710 Waybill

FedEx Ship Manager - Print Your Label(s)

5 D  
16 30 9/20  
08 17

8/16/22, 10 57 AM

- 1
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## Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-106710-1

**Login Number: 106710**

**List Number: 1**

**Creator: Lizotte, Lex**

**List Source: Eurofins Calscience**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	Refer to Job Narrative for details.
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

## ANALYTICAL REPORT

Eurofins Calscience  
2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Tel: (714)895-5494

Laboratory Job ID: 570-107462-1  
Client Project/Site: HPNS - Parcel E / 501158

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

Attn: Rose Condit



*Authorized for release by:*  
9/2/2022 11:35:59 AM

Terri Chang, Project Manager I  
(657)210-6295  
[Terri.Chang@et.eurofinsus.com](mailto:Terri.Chang@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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



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# Definitions/Glossary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Qualifiers

### Metals

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

## Glossary

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

# Case Narrative

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

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## Job ID: 570-107462-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-107462-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 8/24/2022 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0° C.

#### Metals

Method 6010B: The method blank for preparation batch 570-260194 and analytical batch 570-260879 contained Manganese 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.



# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP081522-B606UPWIND**

**Date Collected: 08/15/22 07:00**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-10**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:00	1
Lead	ND		0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:00	1
<b>Manganese</b>	<b>0.0381</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:00	1

**Client Sample ID: PE-TSP081522-B12ADOWNWIND**

**Date Collected: 08/15/22 07:15**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-11**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 14:10	1
<b>Lead</b>	<b>0.0137</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 14:10	1
<b>Manganese</b>	<b>0.0390</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 14:10	1

**Client Sample ID: PE-TSP081622-B606UPWIND**

**Date Collected: 08/16/22 07:00**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-14**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:08	1
Lead	ND		0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:08	1
<b>Manganese</b>	<b>0.0493</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:08	1

**Client Sample ID: PE-TSP081622-B12ADOWNWIND**

**Date Collected: 08/16/22 07:15**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-15**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:11	1
<b>Lead</b>	<b>0.00654</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:11	1
<b>Manganese</b>	<b>0.0405</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:11	1

**Client Sample ID: PE-TSP081722-B606UPWIND**

**Date Collected: 08/17/22 07:00**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-18**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:13	1
Lead	ND		0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:13	1
<b>Manganese</b>	<b>0.0260</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:13	1

**Client Sample ID: PE-TSP081722-B12ADOWNWIND**

**Date Collected: 08/17/22 07:15**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-19**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:16	1
Lead	ND		0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:16	1
<b>Manganese</b>	<b>0.0411</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:16	1

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP081822-B606UPWIND**

**Date Collected: 08/18/22 07:00**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-22**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:24	1
<b>Lead</b>	<b>0.00884</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:24	1
<b>Manganese</b>	<b>0.0229</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:24	1

**Client Sample ID: PE-TSP081822-B12ADOWNWIND**

**Date Collected: 08/18/22 07:15**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-107462-23**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:27	1
<b>Lead</b>	<b>0.00903</b>	<b>J</b>	0.0196	0.00517	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:27	1
<b>Manganese</b>	<b>0.0707</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		08/29/22 15:20	08/31/22 13:27	1

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## General Chemistry

**Client Sample ID: PE-TSP081522-B606UPWIND**

**Lab Sample ID: 570-107462-10**

**Date Collected: 08/15/22 07:00**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	80.9		4.90	4.90	ug/m3			08/25/22 19:29	1

**Client Sample ID: PE-TSP081522-B12ADOWNWIND**

**Lab Sample ID: 570-107462-11**

**Date Collected: 08/15/22 07:15**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	62.6		4.90	4.90	ug/m3			08/25/22 19:29	1

**Client Sample ID: PE-PM10081522-B606UPWIND**

**Lab Sample ID: 570-107462-12**

**Date Collected: 08/15/22 07:00**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	50.4		4.90	4.90	ug/m3			08/26/22 09:46	1

**Client Sample ID: PE-PM10081522-B12ADOWNWIND**

**Lab Sample ID: 570-107462-13**

**Date Collected: 08/15/22 07:15**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	25.8		4.90	4.90	ug/m3			08/26/22 09:46	1

**Client Sample ID: PE-TSP081622-B606UPWIND**

**Lab Sample ID: 570-107462-14**

**Date Collected: 08/16/22 07:00**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	75.0		4.90	4.90	ug/m3			08/25/22 19:29	1

**Client Sample ID: PE-TSP081622-B12ADOWNWIND**

**Lab Sample ID: 570-107462-15**

**Date Collected: 08/16/22 07:15**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	80.9		4.90	4.90	ug/m3			08/25/22 19:29	1

**Client Sample ID: PE-PM10081622-B606UPWIND**

**Lab Sample ID: 570-107462-16**

**Date Collected: 08/16/22 07:00**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	51.3		4.90	4.90	ug/m3			08/26/22 09:46	1

**Client Sample ID: PE-PM10081622-B12ADOWNWIND**

**Lab Sample ID: 570-107462-17**

**Date Collected: 08/16/22 07:15**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	30.6		4.90	4.90	ug/m3			08/26/22 09:46	1

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# Client Sample Results

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## General Chemistry

Client Sample ID: PE-TSP081722-B606UPWIND

Date Collected: 08/17/22 07:00

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-18

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	51.7		4.90	4.90	ug/m3			08/25/22 19:29	1

Client Sample ID: PE-TSP081722-B12ADOWNWIND

Date Collected: 08/17/22 07:15

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-19

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	53.5		4.90	4.90	ug/m3			08/25/22 19:29	1

Client Sample ID: PE-PM10081722-B606UPWIND

Date Collected: 08/17/22 07:00

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-20

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	32.5		4.90	4.90	ug/m3			08/26/22 09:46	1

Client Sample ID: PE-PM10081722-B12ADOWNWIND

Date Collected: 08/17/22 07:15

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-21

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	17.5		4.90	4.90	ug/m3			08/26/22 09:46	1

Client Sample ID: PE-TSP081822-B606UPWIND

Date Collected: 08/18/22 07:00

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-22

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	53.9		4.90	4.90	ug/m3			08/25/22 19:29	1

Client Sample ID: PE-TSP081822-B12ADOWNWIND

Date Collected: 08/18/22 07:15

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-23

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	87.8		4.90	4.90	ug/m3			08/25/22 19:29	1

Client Sample ID: PE-PM10081822-B606UPWIND

Date Collected: 08/18/22 07:00

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-24

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	32.0		4.90	4.90	ug/m3			08/26/22 09:46	1

Client Sample ID: PE-PM10081822-B12ADOWNWIND

Date Collected: 08/18/22 07:15

Date Received: 08/24/22 09:50

Sample Container: Folder/Filter

Lab Sample ID: 570-107462-25

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	23.9		4.90	4.90	ug/m3			08/26/22 09:46	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Method: 6010B - Metals (ICP)

Lab Sample ID: 570-107462-10MB  
 Matrix: Air  
 Analysis Batch: 260879

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 260194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		08/29/22 15:20	08/31/22 12:52	1
Lead	ND		12.0	3.16	ug/Sample		08/29/22 15:20	08/31/22 12:52	1
Manganese	3.344	J	20.0	3.34	ug/Sample		08/29/22 15:20	08/31/22 12:52	1

Lab Sample ID: 570-107462-10 LCSD  
 Matrix: Air  
 Analysis Batch: 260879

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 260194

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1200	1066		ug/Sample		89	80 - 120	8	20
Lead	1200	1074		ug/Sample		89	80 - 120	8	20
Manganese	1200	1092		ug/Sample		91	80 - 120	11	20

Lab Sample ID: 570-107462-10LCS  
 Matrix: Air  
 Analysis Batch: 260879

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 260194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1200	1159		ug/Sample		97	80 - 120
Lead	1200	1160		ug/Sample		97	80 - 120
Manganese	1200	1220		ug/Sample		102	80 - 120

Lab Sample ID: 570-107462-10 MS  
 Matrix: Air  
 Analysis Batch: 260879

Client Sample ID: PE-TSP081522-B606UPWIND  
 Prep Type: Total/NA  
 Prep Batch: 260194

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.96	1.925		ug/m3 (Air)		98	75 - 125
Lead	ND		1.96	2.023		ug/m3 (Air)		103	75 - 125
Manganese	0.0381	B	1.96	2.155		ug/m3 (Air)		108	75 - 125

Lab Sample ID: 570-107462-10 MSD  
 Matrix: Air  
 Analysis Batch: 260879

Client Sample ID: PE-TSP081522-B606UPWIND  
 Prep Type: Total/NA  
 Prep Batch: 260194

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.96	1.799		ug/m3 (Air)		92	75 - 125	7	20
Lead	ND		1.96	1.901		ug/m3 (Air)		97	75 - 125	6	20
Manganese	0.0381	B	1.96	2.002		ug/m3 (Air)		100	75 - 125	7	20

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

Lab Sample ID: MB 570-259569/1  
 Matrix: Air  
 Analysis Batch: 259569

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			08/25/22 19:29	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

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

Lab Sample ID: 570-107462-10 DU  
 Matrix: Air  
 Analysis Batch: 259569

Client Sample ID: PE-TSP081522-B606UPWIND  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Particulates	80.9		80.92		ug/m3		0	25

## Method: PM10 - Particulate Matter

Lab Sample ID: MB 570-259671/1  
 Matrix: Air  
 Analysis Batch: 259671

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			08/26/22 09:46	1

Lab Sample ID: 570-107462-12 DU  
 Matrix: Air  
 Analysis Batch: 259671

Client Sample ID: PE-PM10081522-B606UPWIND  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Particulate Matter	50.4		50.35		ug/m3		0	25



# QC Association Summary

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Metals

### Pre Prep Batch: 260188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-107462-10	PE-TSP081522-B606UPWIND	Total/NA	Air	Filter to Air	
570-107462-11	PE-TSP081522-B12ADOWNWIND	Total/NA	Air	Filter to Air	
570-107462-14	PE-TSP081622-B606UPWIND	Total/NA	Air	Filter to Air	
570-107462-15	PE-TSP081622-B12ADOWNWIND	Total/NA	Air	Filter to Air	
570-107462-18	PE-TSP081722-B606UPWIND	Total/NA	Air	Filter to Air	
570-107462-19	PE-TSP081722-B12ADOWNWIND	Total/NA	Air	Filter to Air	
570-107462-22	PE-TSP081822-B606UPWIND	Total/NA	Air	Filter to Air	
570-107462-23	PE-TSP081822-B12ADOWNWIND	Total/NA	Air	Filter to Air	
570-107462-10 MS	PE-TSP081522-B606UPWIND	Total/NA	Air	Filter to Air	
570-107462-10 MSD	PE-TSP081522-B606UPWIND	Total/NA	Air	Filter to Air	

### Prep Batch: 260194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-107462-10	PE-TSP081522-B606UPWIND	Total/NA	Air	3050B AppG	260188
570-107462-11	PE-TSP081522-B12ADOWNWIND	Total/NA	Air	3050B AppG	260188
570-107462-14	PE-TSP081622-B606UPWIND	Total/NA	Air	3050B AppG	260188
570-107462-15	PE-TSP081622-B12ADOWNWIND	Total/NA	Air	3050B AppG	260188
570-107462-18	PE-TSP081722-B606UPWIND	Total/NA	Air	3050B AppG	260188
570-107462-19	PE-TSP081722-B12ADOWNWIND	Total/NA	Air	3050B AppG	260188
570-107462-22	PE-TSP081822-B606UPWIND	Total/NA	Air	3050B AppG	260188
570-107462-23	PE-TSP081822-B12ADOWNWIND	Total/NA	Air	3050B AppG	260188
570-107462-10MB	Method Blank	Total/NA	Air	3050B AppG	
570-107462-10 LCSD	Lab Control Sample Dup	Total/NA	Air	3050B AppG	
570-107462-10LCS	Lab Control Sample	Total/NA	Air	3050B AppG	
570-107462-10 MS	PE-TSP081522-B606UPWIND	Total/NA	Air	3050B AppG	260188
570-107462-10 MSD	PE-TSP081522-B606UPWIND	Total/NA	Air	3050B AppG	260188

### Analysis Batch: 260879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-107462-10	PE-TSP081522-B606UPWIND	Total/NA	Air	6010B	260194
570-107462-11	PE-TSP081522-B12ADOWNWIND	Total/NA	Air	6010B	260194
570-107462-14	PE-TSP081622-B606UPWIND	Total/NA	Air	6010B	260194
570-107462-15	PE-TSP081622-B12ADOWNWIND	Total/NA	Air	6010B	260194
570-107462-18	PE-TSP081722-B606UPWIND	Total/NA	Air	6010B	260194
570-107462-19	PE-TSP081722-B12ADOWNWIND	Total/NA	Air	6010B	260194
570-107462-22	PE-TSP081822-B606UPWIND	Total/NA	Air	6010B	260194
570-107462-23	PE-TSP081822-B12ADOWNWIND	Total/NA	Air	6010B	260194
570-107462-10MB	Method Blank	Total/NA	Air	6010B	260194
570-107462-10 LCSD	Lab Control Sample Dup	Total/NA	Air	6010B	260194
570-107462-10LCS	Lab Control Sample	Total/NA	Air	6010B	260194
570-107462-10 MS	PE-TSP081522-B606UPWIND	Total/NA	Air	6010B	260194
570-107462-10 MSD	PE-TSP081522-B606UPWIND	Total/NA	Air	6010B	260194

## General Chemistry

### Analysis Batch: 259569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-107462-10	PE-TSP081522-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-107462-11	PE-TSP081522-B12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-107462-14	PE-TSP081622-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-107462-15	PE-TSP081622-B12ADOWNWIND	Total/NA	Air	40CFR50 App B	

# QC Association Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## General Chemistry (Continued)

### Analysis Batch: 259569 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-107462-18	PE-TSP081722-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-107462-19	PE-TSP081722-B12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-107462-22	PE-TSP081822-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-107462-23	PE-TSP081822-B12ADOWNWIND	Total/NA	Air	40CFR50 App B	
MB 570-259569/1	Method Blank	Total/NA	Air	40CFR50 App B	
570-107462-10 DU	PE-TSP081522-B606UPWIND	Total/NA	Air	40CFR50 App B	

### Analysis Batch: 259671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-107462-12	PE-PM10081522-B606UPWIND	Total/NA	Air	PM10	
570-107462-13	PE-PM10081522-B12ADOWNWIND	Total/NA	Air	PM10	
570-107462-16	PE-PM10081622-B606UPWIND	Total/NA	Air	PM10	
570-107462-17	PE-PM10081622-B12ADOWNWIND	Total/NA	Air	PM10	
570-107462-20	PE-PM10081722-B606UPWIND	Total/NA	Air	PM10	
570-107462-21	PE-PM10081722-B12ADOWNWIND	Total/NA	Air	PM10	
570-107462-24	PE-PM10081822-B606UPWIND	Total/NA	Air	PM10	
570-107462-25	PE-PM10081822-B12ADOWNWIND	Total/NA	Air	PM10	
MB 570-259671/1	Method Blank	Total/NA	Air	PM10	
570-107462-12 DU	PE-PM10081522-B606UPWIND	Total/NA	Air	PM10	

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3182	BAL62	IC	8/26/2022 10:01	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9997	grams	0.9990	1.0010
100.0000	99.9983	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3181	BAL62	IC	8/26/2022 10:00	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0020	grams	0.0015	0.0025

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3140	BAL62	IC	8/25/2022 11:20	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9999	grams	0.9990	1.0010
100.0000	99.9983	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3139	BAL62	IC	8/25/2022 11:19	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0018	grams	0.0015	0.0025

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3011	BAL62	IC	8/22/2022 11:25	John Corsino	Yes		69065 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
1.0000	0.9995	grams	0.9990	1.0010
100.0000	99.9977	grams	99.9000	100.1000

Record ID	Balance	Local Lab Group	Calibrated On	Calibrated By	Passed?	Comments	Weight Set	Tare Weight	Units	Reviewed By	Reviewed On	Review Comments
3010	BAL62	IC	8/22/2022 11:24	John Corsino	Yes		1000151861 (Analytical)	0.0000	grams	April Dai	9/2/2022 9:53	

Expected Weight	Weight Taken	Units	Lower Range	Upper Range
0.0020	0.0018	grams	0.0015	0.0025

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Client Sample ID: PE-TSP081522-B606UPWIND

Lab Sample ID: 570-107462-10

Date Collected: 08/15/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 13:00	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3298 g	4.3793 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081522-B12ADOWNWIND

Lab Sample ID: 570-107462-11

Date Collected: 08/15/22 07:15

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 14:10	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.1830 g	4.2213 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10081522-B606UPWIND

Lab Sample ID: 570-107462-12

Date Collected: 08/15/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

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	4.2084 g	4.2392 g	259671	08/26/22 09:46	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10081522-B12ADOWNWIND

Lab Sample ID: 570-107462-13

Date Collected: 08/15/22 07:15

Matrix: Air

Date Received: 08/24/22 09:50

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	4.1689 g	4.1847 g	259671	08/26/22 09:46	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081622-B606UPWIND

Lab Sample ID: 570-107462-14

Date Collected: 08/16/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 13:08	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3015 g	4.3474 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Client Sample ID: PE-TSP081622-B12ADOWNWIND

## Lab Sample ID: 570-107462-15

Date Collected: 08/16/22 07:15

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 13:11	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3072 g	4.3567 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10081622-B606UPWIND

## Lab Sample ID: 570-107462-16

Date Collected: 08/16/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

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	4.3120 g	4.3434 g	259671	08/26/22 09:46	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10081622-B12ADOWNWIND

## Lab Sample ID: 570-107462-17

Date Collected: 08/16/22 07:15

Matrix: Air

Date Received: 08/24/22 09:50

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	4.3129 g	4.3316 g	259671	08/26/22 09:46	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081722-B606UPWIND

## Lab Sample ID: 570-107462-18

Date Collected: 08/17/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 13:13	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3086 g	4.3402 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081722-B12ADOWNWIND

## Lab Sample ID: 570-107462-19

Date Collected: 08/17/22 07:15

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 13:16	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3057 g	4.3384 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Client Sample ID: PE-PM10081722-B606UPWIND

## Lab Sample ID: 570-107462-20

Date Collected: 08/17/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

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	4.3085 g	4.3284 g	259671	08/26/22 09:46	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10081722-B12ADOWNWIND

## Lab Sample ID: 570-107462-21

Date Collected: 08/17/22 07:15

Matrix: Air

Date Received: 08/24/22 09:50

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	4.3115 g	4.3222 g	259671	08/26/22 09:46	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081822-B606UPWIND

## Lab Sample ID: 570-107462-22

Date Collected: 08/18/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 13:24	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3093 g	4.3423 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-TSP081822-B12ADOWNWIND

## Lab Sample ID: 570-107462-23

Date Collected: 08/18/22 07:15

Matrix: Air

Date Received: 08/24/22 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					260188	08/29/22 12:52		EET CAL 4
Total/NA	Prep	3050B AppG			0.0833 Filter	100 mL	260194	08/29/22 15:20		EET CAL 4
Total/NA	Analysis	6010B		1			260879	08/31/22 13:27	COYH	EET CAL 4
Instrument ID: ICP9										
Total/NA	Analysis	40CFR50 App B		1	4.3290 g	4.3827 g	259569	08/25/22 19:29	UWCT	EET CAL 4
Instrument ID: BAL62										

## Client Sample ID: PE-PM10081822-B606UPWIND

## Lab Sample ID: 570-107462-24

Date Collected: 08/18/22 07:00

Matrix: Air

Date Received: 08/24/22 09:50

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	4.3056 g	4.3252 g	259671	08/26/22 09:46	UWCT	EET CAL 4
Instrument ID: BAL62										

# Lab Chronicle

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

**Client Sample ID: PE-PM10081822-B12ADOWNWIND**

**Lab Sample ID: 570-107462-25**

**Date Collected: 08/18/22 07:15**

**Matrix: Air**

**Date Received: 08/24/22 09:50**

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	4.3132 g	4.3278 g	259671	08/26/22 09:46	UWCT	EET CAL 4

Instrument ID: BAL62

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

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

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# Accreditation/Certification Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-23

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

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B AppG	Air	Arsenic
6010B	3050B AppG	Air	Lead
6010B	3050B AppG	Air	Manganese



# Method Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-107462-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	EET CAL 4
PM10	Particulate Matter	40CFR50J	EET CAL 4
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL
3050B AppG	Preparation, Metals	40CFR50	EET CAL 4
Filter to Air	Filter to Air volume ratio	None	EET CAL 4

### Protocol References:

40CFR50 = 40 CRF Part 50

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:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, 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 / 501158

Job ID: 570-107462-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-107462-1	PE-ASB081522-B606UPWIND	Air	08/15/22 07:00	08/24/22 09:50
570-107462-2	PE-ASB081522-12ADOWNWIND	Air	08/15/22 07:15	08/24/22 09:50
570-107462-3	PE-ASB081622-B606UPWIND	Air	08/16/22 07:00	08/24/22 09:50
570-107462-4	PE-ASB081622-12ADOWNWIND	Air	08/16/22 07:15	08/24/22 09:50
570-107462-5	PE-ASB081722-B606UPWIND	Air	08/17/22 07:00	08/24/22 09:50
570-107462-6	PE-ASB081722-12ADOWNWIND	Air	08/17/22 07:15	08/24/22 09:50
570-107462-7	PE-ASB081822-B606UPWIND	Air	08/18/22 07:00	08/24/22 09:50
570-107462-8	PE-ASB081822-12ADOWNWIND	Air	08/18/22 07:15	08/24/22 09:50
570-107462-9	PE-ASB081822-BLANK	Air	08/18/22 07:00	08/24/22 09:50
570-107462-10	PE-TSP081522-B606UPWIND	Air	08/15/22 07:00	08/24/22 09:50
570-107462-11	PE-TSP081522-B12ADOWNWIND	Air	08/15/22 07:15	08/24/22 09:50
570-107462-12	PE-PM10081522-B606UPWIND	Air	08/15/22 07:00	08/24/22 09:50
570-107462-13	PE-PM10081522-B12ADOWNWIND	Air	08/15/22 07:15	08/24/22 09:50
570-107462-14	PE-TSP081622-B606UPWIND	Air	08/16/22 07:00	08/24/22 09:50
570-107462-15	PE-TSP081622-B12ADOWNWIND	Air	08/16/22 07:15	08/24/22 09:50
570-107462-16	PE-PM10081622-B606UPWIND	Air	08/16/22 07:00	08/24/22 09:50
570-107462-17	PE-PM10081622-B12ADOWNWIND	Air	08/16/22 07:15	08/24/22 09:50
570-107462-18	PE-TSP081722-B606UPWIND	Air	08/17/22 07:00	08/24/22 09:50
570-107462-19	PE-TSP081722-B12ADOWNWIND	Air	08/17/22 07:15	08/24/22 09:50
570-107462-20	PE-PM10081722-B606UPWIND	Air	08/17/22 07:00	08/24/22 09:50
570-107462-21	PE-PM10081722-B12ADOWNWIND	Air	08/17/22 07:15	08/24/22 09:50
570-107462-22	PE-TSP081822-B606UPWIND	Air	08/18/22 07:00	08/24/22 09:50
570-107462-23	PE-TSP081822-B12ADOWNWIND	Air	08/18/22 07:15	08/24/22 09:50
570-107462-24	PE-PM10081822-B606UPWIND	Air	08/18/22 07:00	08/24/22 09:50
570-107462-25	PE-PM10081822-B12ADOWNWIND	Air	08/18/22 07:15	08/24/22 09:50





# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latesting.com](mailto:gardengrovelab@latesting.com)

LA Testing Order: 332217686

Customer ID: 32CALS51

Customer PO: US0401202817

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 08/25/2022 10:00 AM  
**Analysis Date:** 08/31/2022  
**Collected Date:** 08/15/2022 - 08/18/2022

**Project:** HPNS-PARCEL E / 501158

## 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/mm <sup>2</sup>	Fibers/cc	Notes
PE-ASB081522-B606UPWI ND (570-107462-1) 332217686-0001		08/15/2022	1200	7	100	0.0022	8.92	0.0029	
PE-ASB081522-12ADOWN WIND (570-107462-2) 332217686-0002		08/15/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB081622-B606UPWI ND (570-107462-3) 332217686-0003		08/16/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB081622-12ADOWN WIND (570-107462-4) 332217686-0004		08/16/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB081722-B606UPWI ND (570-107462-5) 332217686-0005		08/17/2022	1200	14	100	0.0022	17.8	0.0057	
PE-ASB081722-12ADOWN WIND (570-107462-6) 332217686-0006		08/17/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Sample pulled for 10% recount
PE-ASB081822-B606UPWI ND (570-107462-7) 332217686-0007		08/18/2022	1200	9	100	0.0022	11.5	0.0037	
PE-ASB081822-12ADOWN WIND (570-107462-8) 332217686-0008		08/18/2022	1200	17	100	0.0022	21.7	0.0070	
PE-ASB081822-BLANK (570-107462-9) 332217686-0009		08/18/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Field Blank
PE-ASB081722-12ADOWN WIND (570-107462-6) 332217686-0010		08/17/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	10% Recount; Individual-CV=0.26

The results reported have been blank corrected as applicable.

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 08/31/2022 03:32 PM



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latestesting.com](mailto:gardengrovelab@latestesting.com)

LA Testing Order: 332217686

Customer ID: 32CAL51

Customer PO: US0401202817

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 08/25/2022 10:00 AM  
**Analysis Date:** 08/31/2022  
**Collected Date:** 08/15/2022 - 08/18/2022

**Project:** HPNS-PARCEL E / 501158

## 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/mm <sup>2</sup>	Fibers/cc	Notes
--------	----------	-------------	------------	--------	--------	--------------	------------------------	-----------	-------

Analyst(s):  
Sotheary Son PCM 10

Michael Chapman, Laboratory Manager  
or other Approved Signatory

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 08/31/2022 03:32 PM

CHAIN OF CUSTODY



570-107462 Chain of Custody



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

Project Number: 501158
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1175705
Lab Destination: Eurofins-Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Project Manager: Nels Johnson
Send Report To: Rose Condit
Phone/Fax Number: 415 340 9637
Address: 4005 Port Chicago Hwy
City: Concord, CA 94520
rose\_condit@aptim.com

Table with columns: Sample ID Number, Filter No., Date, Time, Method, Matrix, # of containers, Container Type, PAH (EPA 8270-SIM / TO-13), Asbestos (NIOSH 7400), PM10 (40 CFR, Subpt J; BAAQMD Reg 6), TSP, Mn, Pb, Flow Rate (L/min.), Sample Volume (m³), Temperature Blank.

Method Codes, Matrix Codes, Level Of QC Required, Received By, Date, Time, Turn Around Time, Requisitioned By, Special Instructions: J to MDL.





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

# CHAIN OF CUSTODY

Ref. Document # CTO 0024-AIR 124

Page 2 of 2

Project Number: 501158  
Project Name: HPNS - Parcel E  
Project Location: San Francisco, CA  
Lab Destination: Calscience  
7440 Lincoln Way  
Garden Grove CA 92841  
Lab Contact: Terrn Chang

Send Report To: Rose Condit  
Phone/Fax Number: 4153409637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520

rose.condit@aptim.com

Tag	Sample ID Number	Sampler's Name(s): DG,PD	Collection Information			Matrix	# of containers	Container Type	Analyses Requested						
			Lot No.	Date	Time				Method	PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt 4; BAAQMD Reg 6)	TSP, Mn, Pb (40 CFR 50 App B; NIOSH 7)	Flow Rate (L/min.)
1	PE-TSP081522-B606UPWIND	Q0451106	08/15/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
2	PE-TSP081522-12ADOWNWIND	Q0436899	08/15/22	7 15	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	
3	PE-PM10081522-B606UPWIND	Q0436898	08/15/22	7 00	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	
4	PE-PM10081522-12ADOWNWIND	Q0436900	08/15/22	7 15	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	
5	PE-TSP080922-B606UPWIND	Q0451109	08/16/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
6	PE-TSP080922-12ADOWNWIND	Q0451111	08/16/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
7	PE-PM10080922-B606UPWIND	Q0451110	08/16/22	7 00	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	
8	PE-PM10080922-12ADOWNWIND	Q0451112	08/16/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
9	PE-TSP081022-B606UPWIND	Q0451118	08/17/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
10	PE-TSP081022-12ADOWNWIND	Q0451120	08/17/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
11	PE-PM10081022-B606UPWIND	Q0451119	08/17/22	7 00	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	
12	PE-PM10081022-12ADOWNWIND	Q0451121	08/17/22	7 15	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	
13	PE-TSP081122-B606UPWIND	Q0451126	08/18/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
14	PE-TSP081122-12ADOWNWIND	Q0451128	08/18/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
15	PE-PM10081122-B606UPWIND	Q0451127	08/18/22	7 00	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	
16	PE-PM10081122-12ADOWNWIND	Q0451129	08/18/22	7 15	G	A	1	8X10 EPM Whatman				X	1132.8	611.7	



AIR MONITORING(DF226494  
PROJECT NAME:

HPNS Parcel E PROJ. NO. 501197 Asbestos

CTO 0024 - AIR 124

STATION

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)		RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
DB917029	PE-ASB081522-B606UPWIND	8/15/2022	2 000	2 000	8/15/22 07 00	8/15/22 17 00	600	1 20	Asbestos	2 00
DB917049	PE-ASB081522-12ADOWNWIND	8/15/2022	2 000	2 000	8/15/22 07 15	8/15/22 17 15	600	1 20	Asbestos	2 00
DB917048	PE-ASB081622-B606UPWIND	8/16/2022	2 000	2 000	8/16/22 07 00	8/16/22 17 00	600	1 20	Asbestos	2 00
DB917030	PE-ASB081622-12ADOWNWIND	8/16/2022	2 000	2 000	8/16/22 07 15	8/16/22 17 15	600	1 20	Asbestos	2.00
DB916997	PE-ASB081722-B606UPWIND	8/17/2022	2 000	2 000	8/17/22 07 00	8/17/22 17 00	600	1 20	Asbestos	2.00
DB917000	PE-ASB081722-12ADOWNWIND	8/17/2022	2 000	2 000	8/17/22 07 15	8/17/22 17 15	600	1 20	Asbestos	2 00
DB917002	PE-ASB081822-B606UPWIND	8/18/2022	2 000	2 000	8/18/22 07 00	8/18/22 17 00	600	1 20	Asbestos	2 00
DB917018	PE-ASB081822-12ADOWNWIND	8/18/2022	2 000	2 000	8/18/22 07 15	8/18/22 17 15	600	1 20	Asbestos	2 00
DB917027	PE-ASB081822-BLANK	8/18/2022	2 000	2 000	8/18/22 07 00	8/18/22 17 00	600	1 20	Asbestos	2 00



STATION CTO 0024 - AIR 124

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (CFM)		RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
			START	STOP	START	STOP				
Q0451106	PE-TSP081522-B606UPWIND	8/15/2022	40	40	8/15/22 07:00	8/15/22 16:00	540	611.7	TSP	1132.80
Q0436899	PE-TSP081522-12ADOWNWIND	8/15/2022	40	40	8/15/22 07:15	8/15/22 16:15	540	611.7	TSP	1132.80
Q0436898	PE-PM10081522-B606UPWIND	8/15/2022	40	40	8/15/22 07:00	8/15/22 16:00	540	611.7	PM-10	1132.80
Q0436900	PE-PM10081522-12ADOWNWIND	8/15/2022	40	40	8/15/22 07:15	8/15/22 16:15	540	611.7	PM-10	1132.80
Q0451109	PE-TSP080922-B606UPWIND	8/16/2022	40	40	8/16/22 07:00	8/16/22 16:00	540	611.7	TSP	1132.80
Q0451111	PE-TSP080922-12ADOWNWIND	8/16/2022	40	40	8/16/22 07:15	8/16/22 16:15	540	611.7	TSP	1132.80
Q0451110	PE-PM10080922-B606UPWIND	8/16/2022	40	40	8/16/22 07:00	8/16/22 16:00	540	611.7	PM-10	1132.80
Q0451112	PE-PM10080922-12ADOWNWIND	8/16/2022	40	40	8/16/22 07:15	8/16/22 16:15	540	611.7	PM-10	1132.80
Q0451118	PE-TSP081022-B606UPWIND	8/17/2022	40	40	8/17/22 07:00	8/17/22 16:00	540	611.7	TSP	1132.80
Q0451120	PE-TSP081022-12ADOWNWIND	8/17/2022	40	40	8/17/22 07:15	8/17/22 16:15	540	611.7	TSP	1132.80
Q0451119	PE-PM10081022-B606UPWIND	8/17/2022	40	40	8/17/22 07:00	8/17/22 16:00	540	611.7	PM-10	1132.80
Q0451121	PE-PM10081022-12ADOWNWIND	8/17/2022	40	40	8/17/22 07:15	8/17/22 16:15	540	611.7	PM-10	1132.80
Q0451126	PE-TSP081122-B606UPWIND	8/18/2022	40	40	8/18/22 07:00	8/18/22 16:00	540	611.7	TSP	1132.80
Q0451128	PE-TSP081122-12ADOWNWIND	8/18/2022	40	40	8/18/22 07:15	8/18/22 16:15	540	611.7	TSP	1132.80
Q0451127	PE-PM10081122-B606UPWIND	8/18/2022	40	40	8/18/22 07:00	8/18/22 16:00	540	611.7	PM-10	1132.80
Q0451129	PE-PM10081122-12ADOWNWIND	8/18/2022	40	40	8/18/22 07:15	8/18/22 16:15	540	611.7	PM-10	1132.80





ORIGIN ID: CCRA (925) 689-9022  
ALAN KEMP  
EUROFINS CALSCIENCE, INC  
5063 COMMERCIAL CIRCLE  
SUITE H  
CONCORD, CA 94520  
UNITED STATES US

SHIP DATE: 23AUG22  
ACTWGT 5.00 LB  
CAD: 1533735/INET4530

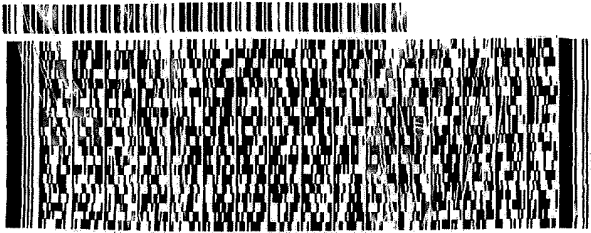
BILL SENDER

TO **SAMPLE RECEIVING**  
**EUROFINS CALSCIENCE-TUSTIN**  
**2841 DOW AVENUE**  
**SUITE 100**  
**TUSTIN CA 92780**

581J2F39DIFE2D

(714) 895-5494  
INV  
PO

REF: APTIM HPNS  
DEPT



eurofins Environment Testing  
TestAmerica

1321110

FedEx Ship Manager - Print Your Label(s)

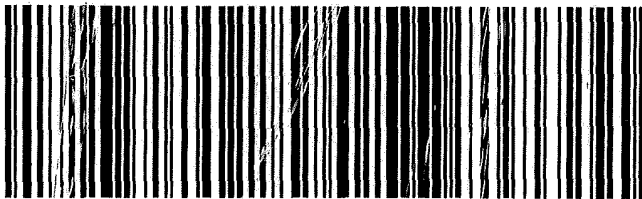
WED - 24 AUG 4:30P

TRK# 7777 3656 3568  
0201

STANDARD OVERNIGHT

**92 DTHA**

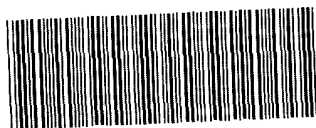
92780  
CA-US SNA



Seal APTIM

72  
XS

8/23/22, 8 05 AM



570-107462 Waybill

- 1
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- 14

# Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-107462-1

**Login Number: 107462**

**List Number: 1**

**Creator: Lizotte, Lex**

**List Source: Eurofins Calscience**

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



## ANALYTICAL REPORT

Eurofins Calscience  
2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Tel: (714)895-5494

Laboratory Job ID: 570-108380-1  
Client Project/Site: HPNS - Parcel E / 501158

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

Attn: Rose Condit



Authorized for release by:  
9/19/2022 11:08:54 PM

Terri Chang, Project Manager I  
(657)210-6295  
[Terri.Chang@et.eurofinsus.com](mailto:Terri.Chang@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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



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# Definitions/Glossary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Qualifiers

### Metals

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

## Glossary

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

# Case Narrative

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

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## Job ID: 570-108380-1

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### Laboratory: Eurofins Calscience

#### Narrative

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#### Job Narrative 570-108380-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 9/1/2022 9:45 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 22.0° C.

#### Metals

Method 6010B: The method blank for preparation batch 570-263896 and analytical batch 570-264844 contained Manganese 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 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.



# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP082222-B606UPWIND**

**Date Collected: 08/22/22 07:00**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108380-10**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 12:45	1
<b>Lead</b>	<b>0.00712</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 12:45	1
<b>Manganese</b>	<b>0.0361</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 12:45	1

**Client Sample ID: PE-TSP082222-12ADOWNWIND**

**Date Collected: 08/22/22 07:15**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108380-11**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 12:58	1
<b>Lead</b>	<b>0.0198</b>		0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 12:58	1
<b>Manganese</b>	<b>0.148</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 12:58	1

**Client Sample ID: PE-TSP082322-B606UPWIND**

**Date Collected: 08/23/22 07:00**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108380-14**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:02	1
<b>Lead</b>	<b>0.00643</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:02	1
<b>Manganese</b>	<b>0.0518</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:02	1

**Client Sample ID: PE-TSP082322-12ADOWNWIND**

**Date Collected: 08/23/22 07:15**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108380-15**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:07	1
<b>Lead</b>	<b>0.0112</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:07	1
<b>Manganese</b>	<b>0.0623</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:07	1

**Client Sample ID: PE-TSP082422-B606UPWIND**

**Date Collected: 08/24/22 07:00**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108380-18**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:11	1
<b>Lead</b>	<b>0.00853</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:11	1
<b>Manganese</b>	<b>0.0514</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:11	1

**Client Sample ID: PE-TSP082422-12ADOWNWIND**

**Date Collected: 08/24/22 07:15**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108380-19**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:25	1
<b>Lead</b>	<b>0.0171</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:25	1
<b>Manganese</b>	<b>0.0343</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:25	1

# Client Sample Results

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Method: 6010B - Metals (ICP)

Client Sample ID: PE-TSP082522-B606UPWIND

Date Collected: 08/25/22 07:00

Date Received: 09/01/22 09:45

Sample Container: Folder/Filter

Lab Sample ID: 570-108380-22

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:29	1
Lead	0.00937	J	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:29	1
Manganese	0.0625	B	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:29	1

Client Sample ID: PE-TSP082522-12ADOWNWIND

Date Collected: 08/25/22 07:15

Date Received: 09/01/22 09:45

Sample Container: Folder/Filter

Lab Sample ID: 570-108380-23

Matrix: Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:34	1
Lead	0.00913	J	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:34	1
Manganese	0.0630	B	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:30	09/16/22 13:34	1



# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## General Chemistry

**Client Sample ID: PE-TSP082222-B606UPWIND**

**Lab Sample ID: 570-108380-10**

**Date Collected: 08/22/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	60.2		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-TSP082222-12ADOWNWIND**

**Lab Sample ID: 570-108380-11**

**Date Collected: 08/22/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	202		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-PM10082222-B606UPWIND**

**Lab Sample ID: 570-108380-12**

**Date Collected: 08/22/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	32.4		4.90	4.90	ug/m3			09/09/22 18:53	1

**Client Sample ID: PE-PM10082222-12ADOWNWIND**

**Lab Sample ID: 570-108380-13**

**Date Collected: 08/22/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	52.1		4.90	4.90	ug/m3			09/09/22 18:53	1

**Client Sample ID: PE-TSP082322-B606UPWIND**

**Lab Sample ID: 570-108380-14**

**Date Collected: 08/23/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	52.1		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-TSP082322-12ADOWNWIND**

**Lab Sample ID: 570-108380-15**

**Date Collected: 08/23/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	63.9		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-PM10082322-B606UPWIND**

**Lab Sample ID: 570-108380-16**

**Date Collected: 08/23/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	37.3		4.90	4.90	ug/m3			09/09/22 18:53	1

**Client Sample ID: PE-PM10082322-12ADOWNWIND**

**Lab Sample ID: 570-108380-17**

**Date Collected: 08/23/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	23.4		4.90	4.90	ug/m3			09/09/22 18:53	1

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# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## General Chemistry

**Client Sample ID: PE-TSP082422-B606UPWIND**

**Lab Sample ID: 570-108380-18**

**Date Collected: 08/24/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	61.8		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-TSP082422-12ADOWNWIND**

**Lab Sample ID: 570-108380-19**

**Date Collected: 08/24/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	47.2		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-PM10082422-B606UPWIND**

**Lab Sample ID: 570-108380-20**

**Date Collected: 08/24/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	32.0		4.90	4.90	ug/m3			09/09/22 18:53	1

**Client Sample ID: PE-PM10082422-12ADOWNWIND**

**Lab Sample ID: 570-108380-21**

**Date Collected: 08/24/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	16.3		4.90	4.90	ug/m3			09/09/22 18:53	1

**Client Sample ID: PE-TSP082522-B606UPWIND**

**Lab Sample ID: 570-108380-22**

**Date Collected: 08/25/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	59.7		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-TSP082522-12ADOWNWIND**

**Lab Sample ID: 570-108380-23**

**Date Collected: 08/25/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	56.6		4.90	4.90	ug/m3			09/09/22 17:20	1

**Client Sample ID: PE-PM10082522-B606UPWIND**

**Lab Sample ID: 570-108380-24**

**Date Collected: 08/25/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	50.7		4.90	4.90	ug/m3			09/09/22 18:53	1

**Client Sample ID: PE-PM10082522-12ADOWNWIND**

**Lab Sample ID: 570-108380-25**

**Date Collected: 08/25/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	20.8		4.90	4.90	ug/m3			09/09/22 18:57	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Method: 6010B - Metals (ICP)

**Lab Sample ID: 570-108380-10MB**  
**Matrix: Air**  
**Analysis Batch: 264844**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 263896**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0	6.22	ug/Sample		09/15/22 17:30	09/16/22 12:32	1
Lead	ND		12.0	3.16	ug/Sample		09/15/22 17:30	09/16/22 12:32	1
Manganese	3.820	J	20.0	3.34	ug/Sample		09/15/22 17:30	09/16/22 12:32	1

**Lab Sample ID: 570-108380-10LCS**  
**Matrix: Air**  
**Analysis Batch: 264844**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 263896**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1200	1265		ug/Sample		105	80 - 120
Lead	1200	1232		ug/Sample		103	80 - 120
Manganese	1200	1330		ug/Sample		111	80 - 120

**Lab Sample ID: 570-108380-10LCSD**  
**Matrix: Air**  
**Analysis Batch: 264844**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 263896**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	1200	1224		ug/Sample		102	80 - 120	3	20
Lead	1200	1195		ug/Sample		100	80 - 120	3	20
Manganese	1200	1307		ug/Sample		109	80 - 120	2	20

**Lab Sample ID: 570-108380-10 MS**  
**Matrix: Air**  
**Analysis Batch: 264844**

**Client Sample ID: PE-TSP082222-B606UPWIND**  
**Prep Type: Total/NA**  
**Prep Batch: 263896**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	ND		1.96	2.103		ug/m3 (Air)		107	75 - 125
Lead	0.00712	J	1.96	2.086		ug/m3 (Air)		106	75 - 125
Manganese	0.0361	B	1.96	2.301		ug/m3 (Air)		115	75 - 125

**Lab Sample ID: 570-108380-10 MSD**  
**Matrix: Air**  
**Analysis Batch: 264844**

**Client Sample ID: PE-TSP082222-B606UPWIND**  
**Prep Type: Total/NA**  
**Prep Batch: 263896**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		1.96	2.013		ug/m3 (Air)		103	75 - 125	4	20
Lead	0.00712	J	1.96	2.021		ug/m3 (Air)		103	75 - 125	3	20
Manganese	0.0361	B	1.96	2.233		ug/m3 (Air)		112	75 - 125	3	20

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

**Lab Sample ID: MB 570-263085/18**  
**Matrix: Air**  
**Analysis Batch: 263085**

**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			09/09/22 17:20	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

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

**Lab Sample ID: 570-108363-A-10 DU**  
**Matrix: Air**  
**Analysis Batch: 263085**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Suspended Particulates	221		221.5		ug/m3		0	25

## Method: PM10 - Particulate Matter

**Lab Sample ID: MB 570-263113/1**  
**Matrix: Air**  
**Analysis Batch: 263113**

**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			09/09/22 18:52	1

**Lab Sample ID: 570-108032-A-2 DU**  
**Matrix: Air**  
**Analysis Batch: 263113**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Particulate Matter	35.6		35.58		ug/m3		0	25

# QC Association Summary

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Metals

### Pre Prep Batch: 263894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108380-10	PE-TSP082222-B606UPWIND	Total/NA	Air	Filter to Air	
570-108380-11	PE-TSP082222-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108380-14	PE-TSP082322-B606UPWIND	Total/NA	Air	Filter to Air	
570-108380-15	PE-TSP082322-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108380-18	PE-TSP082422-B606UPWIND	Total/NA	Air	Filter to Air	
570-108380-19	PE-TSP082422-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108380-22	PE-TSP082522-B606UPWIND	Total/NA	Air	Filter to Air	
570-108380-23	PE-TSP082522-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108380-10 MS	PE-TSP082222-B606UPWIND	Total/NA	Air	Filter to Air	
570-108380-10 MSD	PE-TSP082222-B606UPWIND	Total/NA	Air	Filter to Air	

### Prep Batch: 263896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108380-10	PE-TSP082222-B606UPWIND	Total/NA	Air	3050B AppG	263894
570-108380-11	PE-TSP082222-12ADOWNWIND	Total/NA	Air	3050B AppG	263894
570-108380-14	PE-TSP082322-B606UPWIND	Total/NA	Air	3050B AppG	263894
570-108380-15	PE-TSP082322-12ADOWNWIND	Total/NA	Air	3050B AppG	263894
570-108380-18	PE-TSP082422-B606UPWIND	Total/NA	Air	3050B AppG	263894
570-108380-19	PE-TSP082422-12ADOWNWIND	Total/NA	Air	3050B AppG	263894
570-108380-22	PE-TSP082522-B606UPWIND	Total/NA	Air	3050B AppG	263894
570-108380-23	PE-TSP082522-12ADOWNWIND	Total/NA	Air	3050B AppG	263894
570-108380-10MB	Method Blank	Total/NA	Air	3050B AppG	
570-108380-10LCS	Lab Control Sample	Total/NA	Air	3050B AppG	
570-108380-10LCSD	Lab Control Sample Dup	Total/NA	Air	3050B AppG	
570-108380-10 MS	PE-TSP082222-B606UPWIND	Total/NA	Air	3050B AppG	263894
570-108380-10 MSD	PE-TSP082222-B606UPWIND	Total/NA	Air	3050B AppG	263894

### Analysis Batch: 264844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108380-10	PE-TSP082222-B606UPWIND	Total/NA	Air	6010B	263896
570-108380-11	PE-TSP082222-12ADOWNWIND	Total/NA	Air	6010B	263896
570-108380-14	PE-TSP082322-B606UPWIND	Total/NA	Air	6010B	263896
570-108380-15	PE-TSP082322-12ADOWNWIND	Total/NA	Air	6010B	263896
570-108380-18	PE-TSP082422-B606UPWIND	Total/NA	Air	6010B	263896
570-108380-19	PE-TSP082422-12ADOWNWIND	Total/NA	Air	6010B	263896
570-108380-22	PE-TSP082522-B606UPWIND	Total/NA	Air	6010B	263896
570-108380-23	PE-TSP082522-12ADOWNWIND	Total/NA	Air	6010B	263896
570-108380-10MB	Method Blank	Total/NA	Air	6010B	263896
570-108380-10LCS	Lab Control Sample	Total/NA	Air	6010B	263896
570-108380-10LCSD	Lab Control Sample Dup	Total/NA	Air	6010B	263896
570-108380-10 MS	PE-TSP082222-B606UPWIND	Total/NA	Air	6010B	263896
570-108380-10 MSD	PE-TSP082222-B606UPWIND	Total/NA	Air	6010B	263896

## General Chemistry

### Analysis Batch: 263085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108380-10	PE-TSP082222-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108380-11	PE-TSP082222-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-108380-14	PE-TSP082322-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108380-15	PE-TSP082322-12ADOWNWIND	Total/NA	Air	40CFR50 App B	

# QC Association Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## General Chemistry (Continued)

### Analysis Batch: 263085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108380-18	PE-TSP082422-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108380-19	PE-TSP082422-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-108380-22	PE-TSP082522-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108380-23	PE-TSP082522-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
MB 570-263085/18	Method Blank	Total/NA	Air	40CFR50 App B	
570-108363-A-10 DU	Duplicate	Total/NA	Air	40CFR50 App B	

### Analysis Batch: 263113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108380-12	PE-PM10082222-B606UPWIND	Total/NA	Air	PM10	
570-108380-13	PE-PM10082222-12ADOWNWIND	Total/NA	Air	PM10	
570-108380-16	PE-PM10082322-B606UPWIND	Total/NA	Air	PM10	
570-108380-17	PE-PM10082322-12ADOWNWIND	Total/NA	Air	PM10	
570-108380-20	PE-PM10082422-B606UPWIND	Total/NA	Air	PM10	
570-108380-21	PE-PM10082422-12ADOWNWIND	Total/NA	Air	PM10	
570-108380-24	PE-PM10082522-B606UPWIND	Total/NA	Air	PM10	
570-108380-25	PE-PM10082522-12ADOWNWIND	Total/NA	Air	PM10	
MB 570-263113/1	Method Blank	Total/NA	Air	PM10	
570-108032-A-2 DU	Duplicate	Total/NA	Air	PM10	

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Client Sample ID: PE-TSP082222-B606UPWIND

## Lab Sample ID: 570-108380-10

Date Collected: 08/22/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 12:45	C0YH	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3135 g	4.3503 g	263085	09/09/22 17:20	B4QL	EET CAL 4

## Client Sample ID: PE-TSP082222-12ADOWNWIND

## Lab Sample ID: 570-108380-11

Date Collected: 08/22/22 07:15

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 12:58	C0YH	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3133 g	4.4371 g	263085	09/09/22 17:20	B4QL	EET CAL 4

## Client Sample ID: PE-PM10082222-B606UPWIND

## Lab Sample ID: 570-108380-12

Date Collected: 08/22/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: BAL62		1	4.3198 g	4.3396 g	263113	09/09/22 18:53	B4QL	EET CAL 4

## Client Sample ID: PE-PM10082222-12ADOWNWIND

## Lab Sample ID: 570-108380-13

Date Collected: 08/22/22 07:15

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: BAL62		1	4.3008 g	4.3327 g	263113	09/09/22 18:53	B4QL	EET CAL 4

## Client Sample ID: PE-TSP082322-B606UPWIND

## Lab Sample ID: 570-108380-14

Date Collected: 08/23/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 13:02	C0YH	EET CAL 4

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

**Client Sample ID: PE-TSP082322-B606UPWIND**

**Lab Sample ID: 570-108380-14**

Date Collected: 08/23/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	40CFR50 App B		1	4.2994 g	4.3313 g	263085	09/09/22 17:20	B4QL	EET CAL 4

**Client Sample ID: PE-TSP082322-12ADOWNWIND**

**Lab Sample ID: 570-108380-15**

Date Collected: 08/23/22 07:15

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 13:07	C0YH	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3007 g	4.3398 g	263085	09/09/22 17:20	B4QL	EET CAL 4

**Client Sample ID: PE-PM10082322-B606UPWIND**

**Lab Sample ID: 570-108380-16**

Date Collected: 08/23/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: BAL62		1	4.3080 g	4.3308 g	263113	09/09/22 18:53	B4QL	EET CAL 4

**Client Sample ID: PE-PM10082322-12ADOWNWIND**

**Lab Sample ID: 570-108380-17**

Date Collected: 08/23/22 07:15

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: BAL62		1	4.2909 g	4.3052 g	263113	09/09/22 18:53	B4QL	EET CAL 4

**Client Sample ID: PE-TSP082422-B606UPWIND**

**Lab Sample ID: 570-108380-18**

Date Collected: 08/24/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 13:11	C0YH	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.2932 g	4.3310 g	263085	09/09/22 17:20	B4QL	EET CAL 4



# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Client Sample ID: PE-TSP082422-12ADOWNWIND

## Lab Sample ID: 570-108380-19

Date Collected: 08/24/22 07:15

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 13:25	C0YH	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.2963 g	4.3252 g	263085	09/09/22 17:20	B4QL	EET CAL 4

## Client Sample ID: PE-PM10082422-B606UPWIND

## Lab Sample ID: 570-108380-20

Date Collected: 08/24/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: BAL62		1	4.2870 g	4.3066 g	263113	09/09/22 18:53	B4QL	EET CAL 4

## Client Sample ID: PE-PM10082422-12ADOWNWIND

## Lab Sample ID: 570-108380-21

Date Collected: 08/24/22 07:15

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: BAL62		1	4.2981 g	4.3081 g	263113	09/09/22 18:53	B4QL	EET CAL 4

## Client Sample ID: PE-TSP082522-B606UPWIND

## Lab Sample ID: 570-108380-22

Date Collected: 08/25/22 07:00

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 13:29	C0YH	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.2840 g	4.3205 g	263085	09/09/22 17:20	B4QL	EET CAL 4

## Client Sample ID: PE-TSP082522-12ADOWNWIND

## Lab Sample ID: 570-108380-23

Date Collected: 08/25/22 07:15

Matrix: Air

Date Received: 09/01/22 09:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263894	09/13/22 17:59	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263896	09/15/22 17:30	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			264844	09/16/22 13:34	C0YH	EET CAL 4

# Lab Chronicle

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

**Client Sample ID: PE-TSP082522-12ADOWNWIND**

**Lab Sample ID: 570-108380-23**

**Date Collected: 08/25/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	40CFR50 App B		1	4.2678 g	4.3024 g	263085	09/09/22 17:20	B4QL	EET CAL 4

**Client Sample ID: PE-PM10082522-B606UPWIND**

**Lab Sample ID: 570-108380-24**

**Date Collected: 08/25/22 07:00**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

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	4.2788 g	4.3098 g	263113	09/09/22 18:53	B4QL	EET CAL 4
Instrument ID: BAL62										

**Client Sample ID: PE-PM10082522-12ADOWNWIND**

**Lab Sample ID: 570-108380-25**

**Date Collected: 08/25/22 07:15**

**Matrix: Air**

**Date Received: 09/01/22 09:45**

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	4.2760 g	4.2887 g	263113	09/09/22 18:57	B4QL	EET CAL 4
Instrument ID: BAL62										

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, 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  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-23

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

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B AppG	Air	Arsenic
6010B	3050B AppG	Air	Lead
6010B	3050B AppG	Air	Manganese

# Method Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108380-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	EET CAL 4
PM10	Particulate Matter	40CFR50J	EET CAL 4
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL
3050B AppG	Preparation, Metals	40CFR50	EET CAL 4
Filter to Air	Filter to Air volume ratio	None	EET CAL 4

### Protocol References:

40CFR50 = 40 CRF Part 50

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:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, 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 / 501158

Job ID: 570-108380-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-108380-1	PE-ASB082222-B606UPWIND	Air	08/22/22 07:00	09/01/22 09:45
570-108380-2	PE-ASB082222-12ADOWNWIND	Air	08/22/22 07:15	09/01/22 09:45
570-108380-3	PE-ASB082322-B606UPWIND	Air	08/23/22 07:00	09/01/22 09:45
570-108380-4	PE-ASB082322-12ADOWNWIND	Air	08/23/22 07:15	09/01/22 09:45
570-108380-5	PE-ASB082422-B606UPWIND	Air	08/24/22 07:00	09/01/22 09:45
570-108380-6	PE-ASB082422-12ADOWNWIND	Air	08/24/22 07:15	09/01/22 09:45
570-108380-7	PE-ASB082522-B606UPWIND	Air	08/25/22 07:00	09/01/22 09:45
570-108380-8	PE-ASB082522-12ADOWNWIND	Air	08/25/22 07:15	09/01/22 09:45
570-108380-9	PE-ASB082422-BLANK	Air	08/24/22 07:00	09/01/22 09:45
570-108380-10	PE-TSP082222-B606UPWIND	Air	08/22/22 07:00	09/01/22 09:45
570-108380-11	PE-TSP082222-12ADOWNWIND	Air	08/22/22 07:15	09/01/22 09:45
570-108380-12	PE-PM10082222-B606UPWIND	Air	08/22/22 07:00	09/01/22 09:45
570-108380-13	PE-PM10082222-12ADOWNWIND	Air	08/22/22 07:15	09/01/22 09:45
570-108380-14	PE-TSP082322-B606UPWIND	Air	08/23/22 07:00	09/01/22 09:45
570-108380-15	PE-TSP082322-12ADOWNWIND	Air	08/23/22 07:15	09/01/22 09:45
570-108380-16	PE-PM10082322-B606UPWIND	Air	08/23/22 07:00	09/01/22 09:45
570-108380-17	PE-PM10082322-12ADOWNWIND	Air	08/23/22 07:15	09/01/22 09:45
570-108380-18	PE-TSP082422-B606UPWIND	Air	08/24/22 07:00	09/01/22 09:45
570-108380-19	PE-TSP082422-12ADOWNWIND	Air	08/24/22 07:15	09/01/22 09:45
570-108380-20	PE-PM10082422-B606UPWIND	Air	08/24/22 07:00	09/01/22 09:45
570-108380-21	PE-PM10082422-12ADOWNWIND	Air	08/24/22 07:15	09/01/22 09:45
570-108380-22	PE-TSP082522-B606UPWIND	Air	08/25/22 07:00	09/01/22 09:45
570-108380-23	PE-TSP082522-12ADOWNWIND	Air	08/25/22 07:15	09/01/22 09:45
570-108380-24	PE-PM10082522-B606UPWIND	Air	08/25/22 07:00	09/01/22 09:45
570-108380-25	PE-PM10082522-12ADOWNWIND	Air	08/25/22 07:15	09/01/22 09:45





# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latesting.com](mailto:gardengrovelab@latesting.com)

LA Testing Order: 332218234

Customer ID: 32CALS51

Customer PO: 57003235

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 09/06/2022 10:20 AM  
**Analysis Date:** 09/14/2022  
**Collected Date:** 08/22/2022 - 08/25/2022

**Project:** 570-108380-1

## 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/mm <sup>2</sup>	Fibers/cc	Notes
PE-ASB082222-B606UPWI ND 332218234-0001		08/22/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB082222-12ADOWN WIND 332218234-0002		08/22/2022	1200	20.5	100	0.0022	26.1	0.0084	
PE-ASB082322-B606UPWI ND 332218234-0003		08/23/2022	1200	11	100	0.0022	14.0	0.0045	
PE-ASB082322-12ADOWN WIND 332218234-0004		08/23/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB082422-B606UPWI ND 332218234-0005		08/24/2022	1200	7.5	100	0.0022	9.55	0.0031	
PE-ASB082422-12ADOWN WIND 332218234-0006		08/24/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Sample pulled for 10% recount
PE-ASB082522-B606UPWI ND 332218234-0007		08/25/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB082522-12ADOWN WIND 332218234-0008		08/25/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB082422-BLANK 332218234-0009		08/24/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Field Blank
PE-ASB082422-12ADOWN WIND 332218234-0010		08/24/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	10% Recount; Individual-CV=0.25

The results reported have been blank corrected as applicable.

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 09/14/2022 01:30 PM



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latestesting.com](mailto:gardengrovelab@latestesting.com)

LA Testing Order: 332218234

Customer ID: 32CALS51

Customer PO: 57003235

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 09/06/2022 10:20 AM  
**Analysis Date:** 09/14/2022  
**Collected Date:** 08/22/2022 - 08/25/2022

**Project:** 570-108380-1

## 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/mm <sup>2</sup>	Fibers/cc	Notes
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Analyst(s): \_\_\_\_\_

Sotheary Son PCM 10

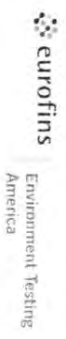
Michael Chapman, Laboratory Manager  
or other Approved Signatory

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 09/14/2022 01:30 PM

**Eurofins Calscience # 332218234 Chain of Custody Record**

2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Phone: 714-895-5494



**Client Information (Sub Contract Lab)**  
 Client Contact: **Chang, Terri**  
 Shipping/Receiving: **Terri.Chang@eurofins.com**  
 Company: **EMSL Analytical, Inc.**  
 Address: **5431 Industrial Drive, Huntington Beach, CA, 92649**  
 Phone: **714-895-5494**  
 Email: **WO #**  
 Project Name: **HPMS - Parcel E / 501158**  
 Site: **SSOW#**

Sampler: **Lab PM: Chang, Terri**  
 Phone: **E-Mail: Terri.Chang@eurofins.com**  
 Due Date Requested: **9/15/2022**  
 TAT Requested (days): **Analysis Requested**  
 Carrier Tracking No(s): **570-186054.1**  
 State of Origin: **California**  
 Accreditations Required (See note): **NELAP - Oregon**  
 Page: **Page 1 of 1**  
 Job #: **570-108380-1**

Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Swab, Aerosol, etc.)	Preservation Code	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:
PE-ASB082222-B606UPWIND (570-108380-1)	8/22/22	07:00	Pacific	Air		X			1	See Attached Instructions
PE-ASB082222-12ADOWNWIND (570-108380-2)	8/22/22	07:15	Pacific	Air		X			1	See Attached Instructions
PE-ASB082322-B606UPWIND (570-108380-3)	8/23/22	07:00	Pacific	Air		X			1	See Attached Instructions
PE-ASB082322-12ADOWNWIND (570-108380-4)	8/23/22	07:15	Pacific	Air		X			1	See Attached Instructions
PE-ASB082422-B606UPWIND (570-108380-5)	8/24/22	07:00	Pacific	Air		X			1	See Attached Instructions
PE-ASB082422-12ADOWNWIND (570-108380-6)	8/24/22	07:15	Pacific	Air		X			1	See Attached Instructions
PE-ASB082522-B606UPWIND (570-108380-7)	8/25/22	07:00	Pacific	Air		X			1	See Attached Instructions
PE-ASB082522-12ADOWNWIND (570-108380-8)	8/25/22	07:15	Pacific	Air		X			1	See Attached Instructions
PE-ASB082422-BLANK (570-108380-9)	8/24/22	07:00	Pacific	Air		X			1	See Attached Instructions

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/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 compliance to Eurofins Calscience.

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

Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
<b>Olga Chinelas</b>	<b>9/2/22 17:00</b>	<b>BC</b>	<b>Yajia Chanchavac (F)</b>	<b>9/6/22 10:20am</b>	<b>Company</b>
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:



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

# 3 3 2 2 1 8 2 3 4

ICOC No:  
570-186054

**Containers**  
Count 9      Container Type Air Monitoring Cassette

Preservative  
None

**Subcontract Method Instructions**

Sample IDs	Method	Method Description	Method Comments
1, 2, 3, 4, 5, 6, 7, 8, 9	SUBCONTRACT	SUB (Asbestos - Low Flow)/ NIOSH 7400	please provide standard excel EDD.

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

# 332218234

AIR MONITORING DF226494  
PROJECT NAME:

HPNS Parcel E

PROJ. NO.

501197 Asbestos

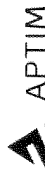
STATION

CTO 0024 - AIR 125

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL	TOTAL	Analysis	Flow Rate (L/min.)
						TIME (min)	VOL. (std m <sup>3</sup> )				
DB916993	PE-ASB082222-B606UPWIND	8/22/2022	2.000	2.000	2.000	8/22/22 07:00	8/22/22 17:00	600	1.20	Asbestos	2.00
DB917037	PE-ASB082222-12ADOWNWIND	8/22/2022	2.000	2.000	2.000	8/22/22 07:15	8/22/22 17:15	600	1.20	Asbestos	2.00
DB917039	PE-ASB082322-B606UPWIND	8/23/2022	2.000	2.000	2.000	8/23/22 07:00	8/23/22 17:00	600	1.20	Asbestos	2.00
DB917014	PE-ASB082322-12ADOWNWIND	8/23/2022	2.000	2.000	2.000	8/23/22 07:15	8/23/22 17:15	600	1.20	Asbestos	2.00
DB917041	PE-ASB082422-B606UPWIND	8/24/2022	2.000	2.000	2.000	8/24/22 07:00	8/24/22 17:00	600	1.20	Asbestos	2.00
DB917007	PE-ASB082422-12ADOWNWIND	8/24/2022	2.000	2.000	2.000	8/24/22 07:15	8/24/22 17:15	600	1.20	Asbestos	2.00
DF223592	PE-ASB082522-B606UPWIND	8/25/2022	2.000	2.000	2.000	8/25/22 07:00	8/25/22 17:00	600	1.20	Asbestos	2.00
DF223313	PE-ASB082522-12ADOWNWIND	8/25/2022	2.000	2.000	2.000	8/25/22 07:15	8/25/22 17:15	600	1.20	Asbestos	2.00
DB917031	PE-ASB082422-BLANK	8/24/2022	2.000	2.000	2.000	8/24/22 07:00	8/24/22 17:00	600	1.20	Asbestos	2.00



570-108380 Chain of Custody



APTIM Federal Services, LLC

4005 Port Chicago Hwy  
Concord CA 94520

# CHAIN OF CUSTODY

Ref. Document #

CTO 0024 - AIR 125

Page 1 of 2

Project Number: 501158  
 Project Name: HPNS - Parcel E  
 Project Location: San Francisco, CA  
 Purchase Order #: 1175705  
 Lab Destination: Eurofins-Calscience  
 7440 Lincoln Way  
 Garden Grove CA 92841  
 Lab Contact: Tern Chang

Project Manager: Nels Johnson  
 Send Report To: Rose Condit  
 Phone/Fax Number: 415 340 9637  
 Address: 4005 Port Chicago Hwy  
 City: Concord, CA 94520  
 rose.condit@aptim.com

Sample ID Number	Filter No.	Collection Information			Method	# of containers	Container Type	Analyses Requested				
		Date	Time	Method				PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb	Flow Rate (L/min.)
PE-ASB082222-B606UPWIND	DB916993	08/22/22	7 00	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082222-12ADOWNWIND	DB917037	08/22/22	7 15	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082322-B606UPWIND	DB917039	08/23/22	7 00	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082322-12ADOWNWIND	DB917014	08/23/22	7 15	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082422-B606UPWIND	DB917041	08/24/22	7 00	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082422-12ADOWNWIND	DB917007	08/24/22	7 15	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082522-B606UPWIND	DF223592	08/25/22	7 00	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082522-12ADOWNWIND	DF223313	08/25/22	7 15	G	A	1	PCM	X	X	X	2.00	1.20
PE-ASB082422-BLANK	DB917031	08/24/22	7 00	G	A	1	PCM	X	X	X	2.00	1.20

Temperature Blank

Special Instructions: J to MDL

Turn Around Time  
 24-hr  
 5-day  10-day

Relinquished By: *Dominick Gregory* Date: 8/30/22  
 Relinquished By: *[Signature]* Date: 8/31/22

Relinquished By: *[Signature]* Date: 8/31/22  
 Relinquished By: *[Signature]* Date: 9/1/22

Relinquished By: *[Signature]* Date: 9/1/22  
 Relinquished By: *[Signature]* Date: 09/15

Level of QC Required:  
 I II III Project Specific  
 Received By: *Fedex* Date: 8/31/22  
 Received By: *[Signature]* Date: 9/1/22

Received By: *[Signature]* Date: 9/1/22  
 Received By: *[Signature]* Date: 09/15

Received By: *[Signature]* Date: 9/1/22  
 Received By: *[Signature]* Date: 09/15

Received By: *[Signature]* Date: 9/1/22  
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Received By: *[Signature]* Date: 9/1/22  
 Received By: *[Signature]* Date: 09/15

Received By: *[Signature]* Date: 9/1/22  
 Received By: *[Signature]* Date: 09/15

### Method Codes

C = Composite

G = Grab

SO = Soil

DW = Drinking Water

SL = Sludge

GW = Ground Water

CP = Chip Samples

WW = Waste Water

A = Air

Matrix Codes

ABS = Asbestos, PO = Pipe Opening

22°C



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

# CHAIN OF CUSTODY

Ref. Document # CTO 0024-AIR 125  
Page 2 of 2

Project Number: 501158  
Project Name: HPNS - Parcel E  
Project Location: San Francisco, CA  
Lab Destination: Calscience  
7440 Lincoln Way  
Garden Grove CA 92841

Send Report To: Rose Condit  
Phone/Fax Number: 4153409637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520

Lab Contact: Terri Chang

rose.conda@aptim.com

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 (40 CFR 50 App B; NIOSH 73)	Flow Rate (L/min.)	Sample Volume (m <sup>3</sup> )
PE-TSP082222-B606UPWIND	Q0451136	08/22/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP082222-12ADOWNWIND	Q09451138	08/22/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10082222-B606UPWIND	Q0451137	08/22/22	7 00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10082222-12ADOWNWIND	Q0451139	08/22/22	7 15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-TSP082322-B606UPWIND	Q0451148	08/23/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP082322-12ADOWNWIND	Q0451150	08/23/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10082322-B606UPWIND	Q0451149	08/23/22	7 00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10082322-12ADOWNWIND	Q0451151	08/23/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP082422-B606UPWIND	Q0451152	08/24/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP082422-12ADOWNWIND	Q0451154	08/24/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10082422-B606UPWIND	Q0451153	08/24/22	7 00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10082422-12ADOWNWIND	Q0451155	08/24/22	7 15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-TSP082522-B606UPWIND	Q0451160	08/25/22	7 00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP082522-12ADOWNWIND	Q0451162	08/25/22	7 15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10082522-B606UPWIND	Q0451161	08/25/22	7 00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10082522-12ADOWNWIND	Q0451163	08/25/22	7 15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7



CTO 0024 - AIR 125

STATION

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
DB916993	PE-ASB082222-B606UPWIND	8/22/2022	2 000	2 000	2 000	8/22/22 07 00	8/22/22 17 00	600	1 20	Asbestos	2 00
DB917037	PE-ASB082222-12ADOWNWIND	8/22/2022	2 000	2 000	2 000	8/22/22 07 15	8/22/22 17 15	600	1 20	Asbestos	2 00
DB917039	PE-ASB082322-B606UPWIND	8/23/2022	2 000	2 000	2 000	8/23/22 07 00	8/23/22 17 00	600	1 20	Asbestos	2 00
DB917014	PE-ASB082322-12ADOWNWIND	8/23/2022	2 000	2 000	2 000	8/23/22 07 15	8/23/22 17 15	600	1 20	Asbestos	2 00
DB917041	PE-ASB082422-B606UPWIND	8/24/2022	2 000	2 000	2 000	8/24/22 07 00	8/24/22 17 00	600	1 20	Asbestos	2 00
DB917007	PE-ASB082422-12ADOWNWIND	8/24/2022	2 000	2 000	2 000	8/24/22 07 15	8/24/22 17 15	600	1 20	Asbestos	2 00
DF223592	PE-ASB082522-B606UPWIND	8/25/2022	2 000	2 000	2 000	8/25/22 07 00	8/25/22 17 00	600	1 20	Asbestos	2 00
DF223313	PE-ASB082522-12ADOWNWIND	8/25/2022	2 000	2 000	2 000	8/25/22 07 15	8/25/22 17 15	600	1 20	Asbestos	2 00
DB917031	PE-ASB082422-BLANK	8/24/2022	2 000	2 000	2 000	8/24/22 07 00	8/24/22 17 00	600	1 20	Asbestos	2 00



PROJECT NAME:

HPNS Parcel E PROJ. NO. 501158

## STATION

C10 0024 - AIR 125

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (CFM)		RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)	
			START	STOP	AVERAGE	START					STOP
Q0451136	PE-TSP082222-B606UPWIND	8/22/2022	40	40	40	8/22/22 07:00	8/22/22 16:00	540	611 7	TSP	1132.80
Q09451138	PE-TSP082222-12ADOWNWIND	8/22/2022	40	40	40	8/22/22 07:15	8/22/22 16 15	540	611 7	TSP	1132.80
Q0451137	PE-PM10082222-B606UPWIND	8/22/2022	40	40	40	8/22/22 07:00	8/22/22 16:00	540	611 7	PM-10	1132.80
Q0451139	PE-PM10082222-12ADOWNWIND	8/22/2022	40	40	40	8/22/22 07 15	8/22/22 16 15	540	611 7	PM-10	1132.80
Q0451148	PE-TSP082322-B606UPWIND	8/23/2022	40	40	40	8/23/22 07 00	8/23/22 16:00	540	611 7	TSP	1132.80
Q0451150	PE-TSP082322-12ADOWNWIND	8/23/2022	40	40	40	8/23/22 07 15	8/23/22 16 15	540	611 7	TSP	1132.80
Q0451149	PE-PM10082322-B606UPWIND	8/23/2022	40	40	40	8/23/22 07 00	8/23/22 16 00	540	611 7	PM-10	1132.80
Q0451151	PE-PM10082322-12ADOWNWIND	8/23/2022	40	40	40	8/23/22 07 15	8/23/22 16 15	540	611 7	PM-10	1132.80
Q0451152	PE-TSP082422-B606UPWIND	8/24/2022	40	40	40	8/24/22 07:00	8/24/22 16:00	540	611 7	TSP	1132.80
Q0451154	PE-TSP082422-12ADOWNWIND	8/24/2022	40	40	40	8/24/22 07 15	8/24/22 16 15	540	611 7	TSP	1132.80
Q0451153	PE-PM10082422-B606UPWIND	8/24/2022	40	40	40	8/24/22 07:00	8/24/22 16:00	540	611 7	PM-10	1132.80
Q0451155	PE-PM10082422-12ADOWNWIND	8/24/2022	40	40	40	8/24/22 07 15	8/24/22 16 15	540	611 7	PM-10	1132.80
Q0451160	PE-TSP082522-B606UPWIND	8/25/2022	40	40	40	8/25/22 07 00	8/25/22 16 00	540	611 7	TSP	1132.80
Q0451162	PE-TSP082522-12ADOWNWIND	8/25/2022	40	40	40	8/25/22 07 15	8/25/22 16 15	540	611 7	TSP	1132.80
Q0451161	PE-PM10082522-B606UPWIND	8/25/2022	40	40	40	8/25/22 07 00	8/25/22 16 00	540	611 7	PM-10	1132.80
Q0451163	PE-PM10082522-12ADOWNWIND	8/25/2022	40	40	40	8/25/22 07 15	8/25/22 16 15	540	611 7	PM-10	1132.80

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ORIGIN ID CCRA (925) 689-9022  
ALAN KEMP  
EUROFINS CALSCIENCE, INC  
5063 COMMERCIAL CIRCLE  
SUITE H  
CONCORD, CA 94520  
UNITED STATES US

SHIP DATE: 30AUG22  
ACTWGT 5.00 LB  
CAD: 0533735/INET4530

BILL SENDER

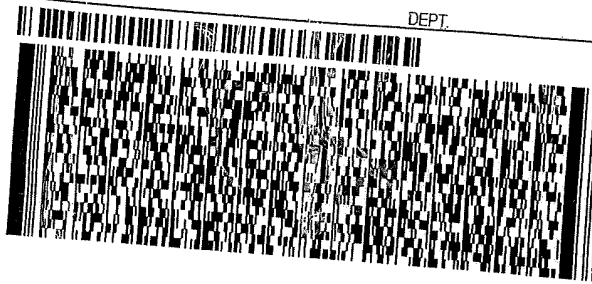
TO **SAMPLE RECEIVING**  
**EUROFINS CALSCIENCE-TUSTIN**  
**2841 DOW AVENUE**  
**SUITE 100**  
**TUSTIN CA 92780**

(714) 895-5494  
INV  
PO

REF: APTIM:HPNS

DEPT.

59111EC8CFE2D

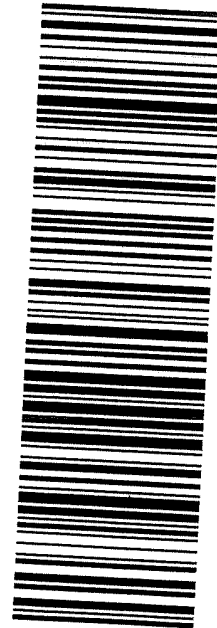


FedEx Express



JZZ002208120100

M4438384 08/31 58111EC8CFE2D



**92 DTHA**

14811

TTI 5063 1100



570-108380 Waybill

CA-US

**92780**  
**SNA**

7-436 PDB2 EXP 01/23

## Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-108380-1

**Login Number: 108380**

**List Number: 1**

**Creator: Lizotte, Lex**

**List Source: Eurofins Calscience**

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





## ANALYTICAL REPORT

Eurofins Calscience  
2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Tel: (714)895-5494

Laboratory Job ID: 570-108902-1  
Client Project/Site: HPNS - Parcel E / 501158

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

Attn: Rose Condit



Authorized for release by:  
9/22/2022 11:12:41 AM

Terri Chang, Project Manager I  
(657)210-6295  
[Terri.Chang@et.eurofinsus.com](mailto:Terri.Chang@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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

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

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



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QC Association Summary . . . . .	11
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# Definitions/Glossary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Qualifiers

### Metals

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

## Glossary

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

# Case Narrative

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

---

## Job ID: 570-108902-1

---

### Laboratory: Eurofins Calscience

#### Narrative

---

#### Job Narrative 570-108902-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 9/8/2022 10:00 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 22.0° C.

#### Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC):

Sample PE-TSP083122-12ADOWNWIND (570-108902-19): filter label lists LOT #Q0451186, while the COC lists #Q0451154.

Sample PE-PM10083122-B606UPWIND (570-108902-20): filter label lists LOT #Q0451185, while the COC lists #Q0451153.

#### Metals

Method 6010B: The method blank for preparation batch 570-263887 and analytical batch 570-265435 contained Manganese 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.

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP082922-B606UPWIND**

**Date Collected: 08/29/22 07:00**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-10**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:34	1
<b>Lead</b>	<b>0.00766</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:34	1
<b>Manganese</b>	<b>0.0390</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:34	1

**Client Sample ID: PE-TSP082922-12ADOWNWIND**

**Date Collected: 08/29/22 07:15**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-11**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:45	1
<b>Lead</b>	<b>0.0217</b>		0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:45	1
<b>Manganese</b>	<b>0.0832</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:45	1

**Client Sample ID: PE-TSP083022-B606UPWIND**

**Date Collected: 08/30/22 07:00**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-14**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:57	1
Lead	ND		0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:57	1
<b>Manganese</b>	<b>0.0249</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 14:57	1

**Client Sample ID: PE-TSP083022-12ADOWNWIND**

**Date Collected: 08/30/22 07:15**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-15**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:01	1
<b>Lead</b>	<b>0.0222</b>		0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:01	1
<b>Manganese</b>	<b>0.0459</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:01	1

**Client Sample ID: PE-TSP083122-B606UPWIND**

**Date Collected: 08/31/22 07:00**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-18**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:05	1
<b>Lead</b>	<b>0.00680</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:05	1
<b>Manganese</b>	<b>0.0557</b>	<b>B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:05	1

**Client Sample ID: PE-TSP083122-12ADOWNWIND**

**Date Collected: 08/31/22 07:15**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-19**

**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:09	1
<b>Lead</b>	<b>0.0102</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:09	1
<b>Manganese</b>	<b>0.0255</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:09	1

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: PE-TSP090122-B606UPWIND**  
**Date Collected: 09/01/22 07:00**  
**Date Received: 09/08/22 10:00**  
**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-22**  
**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:13	1
<b>Lead</b>	<b>0.00587</b>	<b>J</b>	0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:13	1
<b>Manganese</b>	<b>0.0237</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:13	1

**Client Sample ID: PE-TSP090122-12ADOWNIND**  
**Date Collected: 09/01/22 07:15**  
**Date Received: 09/08/22 10:00**  
**Sample Container: Folder/Filter**

**Lab Sample ID: 570-108902-23**  
**Matrix: Air**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0294	0.0102	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:17	1
Lead	ND		0.0196	0.00516	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:17	1
<b>Manganese</b>	<b>0.0237</b>	<b>J B</b>	0.0327	0.00546	ug/m3 (Air)		09/15/22 17:00	09/19/22 15:17	1

# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## General Chemistry

**Client Sample ID: PE-TSP082922-B606UPWIND**

**Lab Sample ID: 570-108902-10**

**Date Collected: 08/29/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	69.5		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-TSP082922-12ADOWNWIND**

**Lab Sample ID: 570-108902-11**

**Date Collected: 08/29/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	93.8		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-PM10082922-B606UPWIND**

**Lab Sample ID: 570-108902-12**

**Date Collected: 08/29/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	49.5		4.90	4.90	ug/m3			09/12/22 17:01	1

**Client Sample ID: PE-PM10082922-12ADOWNWIND**

**Lab Sample ID: 570-108902-13**

**Date Collected: 08/29/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	28.3		4.90	4.90	ug/m3			09/12/22 17:01	1

**Client Sample ID: PE-TSP083022-B606UPWIND**

**Lab Sample ID: 570-108902-14**

**Date Collected: 08/30/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	57.7		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-TSP083022-12ADOWNWIND**

**Lab Sample ID: 570-108902-15**

**Date Collected: 08/30/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	63.8		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-PM10083022-B606UPWIND**

**Lab Sample ID: 570-108902-16**

**Date Collected: 08/30/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	27.0		4.90	4.90	ug/m3			09/12/22 17:01	1

**Client Sample ID: PE-PM10083022-12ADOWNWIND**

**Lab Sample ID: 570-108902-17**

**Date Collected: 08/30/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	25.8		4.90	4.90	ug/m3			09/12/22 17:01	1

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# Client Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## General Chemistry

**Client Sample ID: PE-TSP083122-B606UPWIND**

**Lab Sample ID: 570-108902-18**

**Date Collected: 08/31/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	89.4		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-TSP083122-12ADOWNWIND**

**Lab Sample ID: 570-108902-19**

**Date Collected: 08/31/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	480		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-PM10083122-B606UPWIND**

**Lab Sample ID: 570-108902-20**

**Date Collected: 08/31/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	35.1		4.90	4.90	ug/m3			09/12/22 17:01	1

**Client Sample ID: PE-PM10083122-12ADOWNWIND**

**Lab Sample ID: 570-108902-21**

**Date Collected: 08/31/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	18.3		4.90	4.90	ug/m3			09/12/22 17:01	1

**Client Sample ID: PE-TSP090122-B606UPWIND**

**Lab Sample ID: 570-108902-22**

**Date Collected: 09/01/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	39.2		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-TSP090122-12ADOWNIND**

**Lab Sample ID: 570-108902-23**

**Date Collected: 09/01/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	34.7		4.90	4.90	ug/m3			09/09/22 18:30	1

**Client Sample ID: PE-PM10090122-B606UPWIND**

**Lab Sample ID: 570-108902-24**

**Date Collected: 09/01/22 07:00**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	22.4		4.90	4.90	ug/m3			09/12/22 17:01	1

**Client Sample ID: PE-PM10090122-12ADOWNWIND**

**Lab Sample ID: 570-108902-25**

**Date Collected: 09/01/22 07:15**

**Matrix: Air**

**Date Received: 09/08/22 10:00**

**Sample Container: Folder/Filter**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	14.2		4.90	4.90	ug/m3			09/12/22 17:01	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Method: 6010B - Metals (ICP)

**Lab Sample ID: 570-108902-10MB**  
**Matrix: Air**  
**Analysis Batch: 265435**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 263887**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		18.0	6.22	ug/Sample		09/15/22 17:00	09/19/22 14:22	1
Lead	ND		12.0	3.16	ug/Sample		09/15/22 17:00	09/19/22 14:22	1
Manganese	3.381	J	20.0	3.34	ug/Sample		09/15/22 17:00	09/19/22 14:22	1

**Lab Sample ID: 570-108902-10LCS**  
**Matrix: Air**  
**Analysis Batch: 265435**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 263887**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1200	1233		ug/Sample		103	80 - 120
Manganese	1200	1226		ug/Sample		102	80 - 120

**Lab Sample ID: 570-108902-10LCSD**  
**Matrix: Air**  
**Analysis Batch: 265435**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 263887**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Lead	1200	1163		ug/Sample		97	80 - 120	6	20
Manganese	1200	1185		ug/Sample		99	80 - 120	3	20

**Lab Sample ID: 570-108902-10 MS**  
**Matrix: Air**  
**Analysis Batch: 265435**

**Client Sample ID: PE-TSP082922-B606UPWIND**  
**Prep Type: Total/NA**  
**Prep Batch: 263887**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	0.00766	J	1.96	2.065		ug/m3 (Air)		105	75 - 125
Manganese	0.0390	B	1.96	2.114	B	ug/m3 (Air)		106	75 - 125

**Lab Sample ID: 570-108902-10 MSD**  
**Matrix: Air**  
**Analysis Batch: 265435**

**Client Sample ID: PE-TSP082922-B606UPWIND**  
**Prep Type: Total/NA**  
**Prep Batch: 263887**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Lead	0.00766	J	1.96	2.017		ug/m3 (Air)		102	75 - 125	2	20
Manganese	0.0390	B	1.96	2.080	B	ug/m3 (Air)		104	75 - 125	2	20

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

**Lab Sample ID: MB 570-263106/22**  
**Matrix: Air**  
**Analysis Batch: 263106**

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Particulates	ND		1.04	1.04	ug/m3			09/09/22 18:30	1

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# QC Sample Results

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

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

Lab Sample ID: 570-108902-10 DU  
 Matrix: Air  
 Analysis Batch: 263106

Client Sample ID: PE-TSP082922-B606UPWIND  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Particulates	69.5		69.48		ug/m3		0	25

## Method: PM10 - Particulate Matter

Lab Sample ID: MB 570-263521/1  
 Matrix: Air  
 Analysis Batch: 263521

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			09/12/22 17:00	1

Lab Sample ID: 570-108902-12 DU  
 Matrix: Air  
 Analysis Batch: 263521

Client Sample ID: PE-PM10082922-B606UPWIND  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Particulate Matter	49.5		49.53		ug/m3		0	25

# QC Association Summary

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Metals

### Pre Prep Batch: 263886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108902-10	PE-TSP082922-B606UPWIND	Total/NA	Air	Filter to Air	
570-108902-11	PE-TSP082922-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108902-14	PE-TSP083022-B606UPWIND	Total/NA	Air	Filter to Air	
570-108902-15	PE-TSP083022-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108902-18	PE-TSP083122-B606UPWIND	Total/NA	Air	Filter to Air	
570-108902-19	PE-TSP083122-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108902-22	PE-TSP090122-B606UPWIND	Total/NA	Air	Filter to Air	
570-108902-23	PE-TSP090122-12ADOWNWIND	Total/NA	Air	Filter to Air	
570-108902-10 MS	PE-TSP082922-B606UPWIND	Total/NA	Air	Filter to Air	
570-108902-10 MSD	PE-TSP082922-B606UPWIND	Total/NA	Air	Filter to Air	

### Prep Batch: 263887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108902-10	PE-TSP082922-B606UPWIND	Total/NA	Air	3050B AppG	263886
570-108902-11	PE-TSP082922-12ADOWNWIND	Total/NA	Air	3050B AppG	263886
570-108902-14	PE-TSP083022-B606UPWIND	Total/NA	Air	3050B AppG	263886
570-108902-15	PE-TSP083022-12ADOWNWIND	Total/NA	Air	3050B AppG	263886
570-108902-18	PE-TSP083122-B606UPWIND	Total/NA	Air	3050B AppG	263886
570-108902-19	PE-TSP083122-12ADOWNWIND	Total/NA	Air	3050B AppG	263886
570-108902-22	PE-TSP090122-B606UPWIND	Total/NA	Air	3050B AppG	263886
570-108902-23	PE-TSP090122-12ADOWNWIND	Total/NA	Air	3050B AppG	263886
570-108902-10MB	Method Blank	Total/NA	Air	3050B AppG	
570-108902-10LCS	Lab Control Sample	Total/NA	Air	3050B AppG	
570-108902-10LCSD	Lab Control Sample Dup	Total/NA	Air	3050B AppG	
570-108902-10 MS	PE-TSP082922-B606UPWIND	Total/NA	Air	3050B AppG	263886
570-108902-10 MSD	PE-TSP082922-B606UPWIND	Total/NA	Air	3050B AppG	263886

### Analysis Batch: 265435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108902-10	PE-TSP082922-B606UPWIND	Total/NA	Air	6010B	263887
570-108902-11	PE-TSP082922-12ADOWNWIND	Total/NA	Air	6010B	263887
570-108902-14	PE-TSP083022-B606UPWIND	Total/NA	Air	6010B	263887
570-108902-15	PE-TSP083022-12ADOWNWIND	Total/NA	Air	6010B	263887
570-108902-18	PE-TSP083122-B606UPWIND	Total/NA	Air	6010B	263887
570-108902-19	PE-TSP083122-12ADOWNWIND	Total/NA	Air	6010B	263887
570-108902-22	PE-TSP090122-B606UPWIND	Total/NA	Air	6010B	263887
570-108902-23	PE-TSP090122-12ADOWNWIND	Total/NA	Air	6010B	263887
570-108902-10MB	Method Blank	Total/NA	Air	6010B	263887
570-108902-10LCS	Lab Control Sample	Total/NA	Air	6010B	263887
570-108902-10LCSD	Lab Control Sample Dup	Total/NA	Air	6010B	263887
570-108902-10 MS	PE-TSP082922-B606UPWIND	Total/NA	Air	6010B	263887
570-108902-10 MSD	PE-TSP082922-B606UPWIND	Total/NA	Air	6010B	263887

## General Chemistry

### Analysis Batch: 263106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108902-10	PE-TSP082922-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108902-11	PE-TSP082922-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-108902-14	PE-TSP083022-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108902-15	PE-TSP083022-12ADOWNWIND	Total/NA	Air	40CFR50 App B	

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# QC Association Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## General Chemistry (Continued)

### Analysis Batch: 263106 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108902-18	PE-TSP083122-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108902-19	PE-TSP083122-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
570-108902-22	PE-TSP090122-B606UPWIND	Total/NA	Air	40CFR50 App B	
570-108902-23	PE-TSP090122-12ADOWNWIND	Total/NA	Air	40CFR50 App B	
MB 570-263106/22	Method Blank	Total/NA	Air	40CFR50 App B	
570-108902-10 DU	PE-TSP082922-B606UPWIND	Total/NA	Air	40CFR50 App B	

### Analysis Batch: 263521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-108902-12	PE-PM10082922-B606UPWIND	Total/NA	Air	PM10	
570-108902-13	PE-PM10082922-12ADOWNWIND	Total/NA	Air	PM10	
570-108902-16	PE-PM10083022-B606UPWIND	Total/NA	Air	PM10	
570-108902-17	PE-PM10083022-12ADOWNWIND	Total/NA	Air	PM10	
570-108902-20	PE-PM10083122-B606UPWIND	Total/NA	Air	PM10	
570-108902-21	PE-PM10083122-12ADOWNWIND	Total/NA	Air	PM10	
570-108902-24	PE-PM10090122-B606UPWIND	Total/NA	Air	PM10	
570-108902-25	PE-PM10090122-12ADOWNWIND	Total/NA	Air	PM10	
MB 570-263521/1	Method Blank	Total/NA	Air	PM10	
570-108902-12 DU	PE-PM10082922-B606UPWIND	Total/NA	Air	PM10	

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Client Sample ID: PE-TSP082922-B606UPWIND

## Lab Sample ID: 570-108902-10

Date Collected: 08/29/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 14:34	P1R	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3474 g	4.3899 g	263106	09/09/22 18:30	B4QL	EET CAL 4

## Client Sample ID: PE-TSP082922-12ADOWNWIND

## Lab Sample ID: 570-108902-11

Date Collected: 08/29/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 14:45	P1R	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3460 g	4.4034 g	263106	09/09/22 18:30	B4QL	EET CAL 4

## Client Sample ID: PE-PM10082922-B606UPWIND

## Lab Sample ID: 570-108902-12

Date Collected: 08/29/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: NOEQUIP		1	4.3514 g	4.3817 g	263521	09/12/22 17:01	B4QL	EET CAL 4

## Client Sample ID: PE-PM10082922-12ADOWNWIND

## Lab Sample ID: 570-108902-13

Date Collected: 08/29/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: NOEQUIP		1	4.3499 g	4.3672 g	263521	09/12/22 17:01	B4QL	EET CAL 4

## Client Sample ID: PE-TSP083022-B606UPWIND

## Lab Sample ID: 570-108902-14

Date Collected: 08/30/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 14:57	P1R	EET CAL 4

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Client Sample ID: PE-TSP083022-B606UPWIND

Lab Sample ID: 570-108902-14

Date Collected: 08/30/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	40CFR50 App B		1	4.3528 g	4.3881 g	263106	09/09/22 18:30	B4QL	EET CAL 4

## Client Sample ID: PE-TSP083022-12ADOWNWIND

Lab Sample ID: 570-108902-15

Date Collected: 08/30/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 15:01	P1R	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3689 g	4.4079 g	263106	09/09/22 18:30	B4QL	EET CAL 4

## Client Sample ID: PE-PM10083022-B606UPWIND

Lab Sample ID: 570-108902-16

Date Collected: 08/30/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: NOEQUIP		1	4.3335 g	4.3500 g	263521	09/12/22 17:01	B4QL	EET CAL 4

## Client Sample ID: PE-PM10083022-12ADOWNWIND

Lab Sample ID: 570-108902-17

Date Collected: 08/30/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: NOEQUIP		1	4.3491 g	4.3649 g	263521	09/12/22 17:01	B4QL	EET CAL 4

## Client Sample ID: PE-TSP083122-B606UPWIND

Lab Sample ID: 570-108902-18

Date Collected: 08/31/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 15:05	P1R	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3467 g	4.4014 g	263106	09/09/22 18:30	B4QL	EET CAL 4

# Lab Chronicle

Client: Aptim Federal Services LLC  
 Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Client Sample ID: PE-TSP083122-12ADOWNWIND

## Lab Sample ID: 570-108902-19

Date Collected: 08/31/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 15:09	P1R	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3408 g	4.6346 g	263106	09/09/22 18:30	B4QL	EET CAL 4

## Client Sample ID: PE-PM10083122-B606UPWIND

## Lab Sample ID: 570-108902-20

Date Collected: 08/31/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: NOEQUIP		1	4.3207 g	4.3422 g	263521	09/12/22 17:01	B4QL	EET CAL 4

## Client Sample ID: PE-PM10083122-12ADOWNWIND

## Lab Sample ID: 570-108902-21

Date Collected: 08/31/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	PM10 Instrument ID: NOEQUIP		1	4.3333 g	4.3445 g	263521	09/12/22 17:01	B4QL	EET CAL 4

## Client Sample ID: PE-TSP090122-B606UPWIND

## Lab Sample ID: 570-108902-22

Date Collected: 09/01/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 15:13	P1R	EET CAL 4
Total/NA	Analysis	40CFR50 App B Instrument ID: NOEQUIP		1	4.3410 g	4.3650 g	263106	09/09/22 18:30	B4QL	EET CAL 4

## Client Sample ID: PE-TSP090122-12ADOWNIND

## Lab Sample ID: 570-108902-23

Date Collected: 09/01/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	Filter to Air					263886	09/13/22 17:36	CS5Z	EET CAL 4
Total/NA	Prep	3050B AppG			0.08333 Filter	100 mL	263887	09/15/22 17:00	CS5Z	EET CAL 4
Total/NA	Analysis	6010B Instrument ID: ICP9		1			265435	09/19/22 15:17	P1R	EET CAL 4

# Lab Chronicle

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

**Client Sample ID: PE-TSP090122-12ADOWNIND**

**Lab Sample ID: 570-108902-23**

Date Collected: 09/01/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	40CFR50 App B		1	4.3365 g	4.3577 g	263106	09/09/22 18:30	B4QL	EET CAL 4

**Client Sample ID: PE-PM10090122-B606UPWIND**

**Lab Sample ID: 570-108902-24**

Date Collected: 09/01/22 07:00

Matrix: Air

Date Received: 09/08/22 10:00

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	4.3099 g	4.3236 g	263521	09/12/22 17:01	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

**Client Sample ID: PE-PM10090122-12ADOWNWIND**

**Lab Sample ID: 570-108902-25**

Date Collected: 09/01/22 07:15

Matrix: Air

Date Received: 09/08/22 10:00

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	4.3527 g	4.3614 g	263521	09/12/22 17:01	B4QL	EET CAL 4
Instrument ID: NOEQUIP										

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, 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  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-23

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

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B AppG	Air	Arsenic
6010B	3050B AppG	Air	Lead
6010B	3050B AppG	Air	Manganese

# Method Summary

Client: Aptim Federal Services LLC  
Project/Site: HPNS - Parcel E / 501158

Job ID: 570-108902-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	EET CAL 4
PM10	Particulate Matter	40CFR50J	EET CAL 4
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL
3050B AppG	Preparation, Metals	40CFR50	EET CAL 4
Filter to Air	Filter to Air volume ratio	None	EET CAL 4

#### Protocol References:

40CFR50 = 40 CRF Part 50

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:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, 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 / 501158

Job ID: 570-108902-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-108902-1	PE-ASB082922-B606UPWIND	Air	08/29/22 07:00	09/08/22 10:00
570-108902-2	PE-ASB082922-12ADOWNWIND	Air	08/29/22 07:15	09/08/22 10:00
570-108902-3	PE-ASB083022-B606UPWIND	Air	08/30/22 07:00	09/08/22 10:00
570-108902-4	PE-ASB083022-12ADOWNWIND	Air	08/30/22 07:15	09/08/22 10:00
570-108902-5	PE-ASB083122-B606UPWIND	Air	08/31/22 07:00	09/08/22 10:00
570-108902-6	PE-ASB083122-12ADOWNWIND	Air	08/31/22 07:15	09/08/22 10:00
570-108902-7	PE-ASB090122-B606UPWIND	Air	09/01/22 07:00	09/08/22 10:00
570-108902-8	PE-ASB090122-12ADOWNWIND	Air	09/01/22 07:15	09/08/22 10:00
570-108902-9	PE-ASB090122-BLANK	Air	09/01/22 07:00	09/08/22 10:00
570-108902-10	PE-TSP082922-B606UPWIND	Air	08/29/22 07:00	09/08/22 10:00
570-108902-11	PE-TSP082922-12ADOWNWIND	Air	08/29/22 07:15	09/08/22 10:00
570-108902-12	PE-PM10082922-B606UPWIND	Air	08/29/22 07:00	09/08/22 10:00
570-108902-13	PE-PM10082922-12ADOWNWIND	Air	08/29/22 07:15	09/08/22 10:00
570-108902-14	PE-TSP083022-B606UPWIND	Air	08/30/22 07:00	09/08/22 10:00
570-108902-15	PE-TSP083022-12ADOWNWIND	Air	08/30/22 07:15	09/08/22 10:00
570-108902-16	PE-PM10083022-B606UPWIND	Air	08/30/22 07:00	09/08/22 10:00
570-108902-17	PE-PM10083022-12ADOWNWIND	Air	08/30/22 07:15	09/08/22 10:00
570-108902-18	PE-TSP083122-B606UPWIND	Air	08/31/22 07:00	09/08/22 10:00
570-108902-19	PE-TSP083122-12ADOWNWIND	Air	08/31/22 07:15	09/08/22 10:00
570-108902-20	PE-PM10083122-B606UPWIND	Air	08/31/22 07:00	09/08/22 10:00
570-108902-21	PE-PM10083122-12ADOWNWIND	Air	08/31/22 07:15	09/08/22 10:00
570-108902-22	PE-TSP090122-B606UPWIND	Air	09/01/22 07:00	09/08/22 10:00
570-108902-23	PE-TSP090122-12ADOWNWIND	Air	09/01/22 07:15	09/08/22 10:00
570-108902-24	PE-PM10090122-B606UPWIND	Air	09/01/22 07:00	09/08/22 10:00
570-108902-25	PE-PM10090122-12ADOWNWIND	Air	09/01/22 07:15	09/08/22 10:00

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# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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

<http://www.LATesting.com> / [gardengrovelab@latesting.com](mailto:gardengrovelab@latesting.com)

LA Testing Order: 332218522

Customer ID: 32CAL51

Customer PO:

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 09/09/2022 11:00 AM  
**Analysis Date:** 09/15/2022  
**Collected Date:** 08/29/2022 - 09/01/2022

**Project:** 570-108902-1/ HPNS- PARCEL E/ 501158

## 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/mm <sup>2</sup>	Fibers/cc	Notes
PE-ASB082922-B606UPW IND (570-108902-1) 332218522-0001		08/29/2022	1200	15	100	0.0022	19.1	0.0061	
PE-ASB082922-12ADOW NWIND (570-108902-2) 332218522-0002		08/29/2022	1200	11.5	100	0.0022	14.6	0.0047	
PE-ASB083022-B606UPW IND (570-108902-3) 332218522-0003		08/30/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB083022-12ADOW NWIND (570-108902-4) 332218522-0004		08/30/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB083122-B606UPW IND (570-108902-5) 332218522-0005		08/31/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB083122-12ADOW NWIND (570-108902-6) 332218522-0006		08/31/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB090122-B606UPW IND (570-108902-7) 332218522-0007		09/01/2022	1200	16	100	0.0022	20.4	0.0065	Sample pulled for 10% recount.
PE-ASB090122-12ADOW NWIND (570-108902-9) 332218522-0008		09/01/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	
PE-ASB090122-BLANK (570-108902-9) 332218522-0009		09/01/2022	1200	<5.5	100	0.0022	<7.01	<0.0022	Field Blank
PE-ASB090122-B606UPW IND (570-108902-7) 332218522-0010		09/01/2022	1200	13	100	0.0022	16.6	0.0053	10% Recount; Individual-CV=0.12

The results reported have been blank corrected as applicable.

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 09/15/2022 02:45 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](mailto:gardengrovelab@latesting.com)

LA Testing Order: 332218522

Customer ID: 32CALS51

Customer PO:

Project ID:

**Attention:** Terri Chang  
Eurofins Calscience, Inc.  
2841 Dow Ave, Suite 100  
Tustin, CA 92780

**Phone:** (714) 895-5494  
**Fax:** (714) 894-7501  
**Received Date:** 09/09/2022 11:00 AM  
**Analysis Date:** 09/15/2022  
**Collected Date:** 08/29/2022 - 09/01/2022

**Project:** 570-108902-1/ HPNS- PARCEL E/ 501158

## 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/mm <sup>2</sup>	Fibers/cc	Notes
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Analyst(s): \_\_\_\_\_

Tony Salgado PCM 10

Michael Chapman, Laboratory Manager  
or other Approved Signatory

LA Testing 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 LA Testing. LA Testing 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/mm<sup>2</sup>. Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm<sup>2</sup>) 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 = 0.32, 21-50 fibers = 0.24, 51-100 fibers = 0.17. 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: 09/15/2022 02:45 PM



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#332218522

ICOC No:  
570-186676

**Containers**  
Count                      Container Type  
9                                      Air Monitoring Cassette

Preservative  
None

**Subcontract Method Instructions**

Sample IDs	Method	Method Description	Method Comments
1, 2, 3, 4, 5, 6, 7, 8, 9	SUBCONTRACT	SUB (Asbestos - Low Flow)/ NIOSH 7400	please provide standard excel EDD.

AIR MONITORING DF226494  
PROJECT NAME:

HPNS Parcel E

PROJ. NO.

501197 Asbestos

STATION

CTO 0024 - AIR 126

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
DF223366	PE-ASB082922-B606UPWIND	8/29/2022	2.000	2.000	2.000	8/29/22 07:00	8/29/22 17:00	600	1.20	Asbestos	2.00
DF223300	PE-ASB082922-12ADOWNWIND	8/29/2022	2.000	2.000	2.000	8/29/22 07:15	8/29/22 17:15	600	1.20	Asbestos	2.00
DF223290	PE-ASB083022-B606UPWIND	8/30/2022	2.000	2.000	2.000	8/30/22 07:00	8/30/22 17:00	600	1.20	Asbestos	2.00
DF223303	PE-ASB083022-12ADOWNWIND	8/30/2022	2.000	2.000	2.000	8/30/22 07:15	8/30/22 17:15	600	1.20	Asbestos	2.00
DF223312	PE-ASB083122-B606UPWIND	8/31/2022	2.000	2.000	2.000	8/31/22 07:00	8/31/22 17:00	600	1.20	Asbestos	2.00
DF223281	PE-ASB083122-12ADOWNWIND	8/31/2022	2.000	2.000	2.000	8/31/22 07:15	8/31/22 17:15	600	1.20	Asbestos	2.00
DF223276	PE-ASB090122-B606UPWIND	9/1/2022	2.000	2.000	2.000	9/01/22 07:00	9/01/22 17:00	600	1.20	Asbestos	2.00
DF223323	PE-ASB090122-12ADOWNWIND	9/1/2022	2.000	2.000	2.000	9/01/22 07:15	9/01/22 17:15	600	1.20	Asbestos	2.00
DB917032	PE-ASB0090122-BLANK	9/1/2022	2.000	2.000	2.000	9/01/22 07:00	9/01/22 17:00	600	1.20	Asbestos	2.00

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#332218522





570-108902 Chain of Custody



APTIM Federal Services, LLC

4005 Port Chicago Hwy  
Concord CA 94520

# CHAIN OF CUSTODY

Ref. Document #

Page 1 of 2

CTO 0024 - AIR 126

Loc: 570  
108902

Project Number: 501158  
Project Name: HPNS - Parcel E  
Project Location: San Francisco, CA  
Purchase Order #: 1175705  
Lab Destination: Eurofins-Calscience  
7440 Lincoln Way  
Garden Grove CA 92841  
Lab Contact: Terri Chang

Project Manager: Nels Johnson  
Send Report To: Rose Condit  
Phone/Fax Number: 415 340 9637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520  
rose\_condit@aptim.com

Sample ID Number	Filter No.	Collection Information		Matrix	# of containers	Container Type	Analyses Requested				
		Date	Time				Method	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb	Flow Rate (L/min.)
PE-ASB082922-B606UPWIND	DF223366	08/29/22	7:00	G	A	PCM	X			2.00	1.20
PE-ASB082922-12ADOWNWIND	DF223300	08/29/22	7:15	G	A	PCM	X			2.00	1.20
PE-ASB083022-B606UPWIND	DF223290	08/30/22	7:00	G	A	PCM	X			2.00	1.20
PE-ASB083022-12ADOWNWIND	DF223303	08/30/22	7:15	G	A	PCM	X			2.00	1.20
PE-ASB083122-B606UPWIND	DF223312	08/31/22	7:00	G	A	PCM	X			2.00	1.20
PE-ASB083122-12ADOWNWIND	DF223281	08/31/22	7:15	G	A	PCM	X			2.00	1.20
PE-ASB090122-B606UPWIND	DF223276	09/01/22	7:00	G	A	PCM	X			2.00	1.20
PE-ASB090122-12ADOWNWIND	DF223323	09/01/22	7:15	G	A	PCM	X			2.00	1.20
PE-ASB090122-BLANK	DB917032	09/01/22	7:00	G	A	PCM	X			2.00	1.20
Temperature Blank											

Special Instructions: J to MDL

Turn Around Time  
 24-hr  
 5-day  10-day

Relinquished By: Dominick Gregory  
 Date: 9/6/22  
 Time: 1600

Relinquished By: *Dominick Gregory*  
 Date: 9/6/22  
 Time: 1600

Relinquished By: *Phyllis*  
 Date: 9/8/22  
 Time: 10:00

Relinquished By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Level Of QC Required:  
 I  II  III Project Specific

Received By: Fed ex  
 Date: 9/6/22  
 Time: 1600

Received By: \_\_\_\_\_  
 Date: 9/8/22  
 Time: 10:00

Received By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Received By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

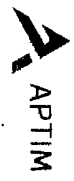
Method Codes  
 C = Composite  
 Matrix Codes  
 DW = Drinking Water  
 GW = Ground Water  
 WW = Waste Water  
 A=Air

G = Grab  
 SO = Soil  
 SL = Sludge  
 CP = Chip Samples

ABS=Asbestos, PO=Pipe Opening



REVISED



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

CHAIN OF CUSTODY

Ref. Document #

CTO 0024-AIR 126

Page 2 of 2

Send Report To: Rose Condit  
Phone/Fax Number: 4153409637  
Address: 4005 Port Chicago Hwy  
City: Concord, CA 94520

Project Number: 501158  
Project Name: HPNS - Parcel E  
Project Location: San Francisco, CA  
Lab Destination: Calscience  
7440 Lincoln Way  
Garden Grove CA 92841

Lab Contact: Terri Chang

rose.condit@aptim.com

Sampler's Name(s): DG,PD

Sample ID Number	Lot No.	Date	Time	Method	Collection Information		Matrix		Container Type	Analyses Requested	Flow Rate (L/min)	Sample Volume (m <sup>3</sup> )
					# of containers							
16 PE-TSP082922-B606UPWIND	Q0451168	08/29/22	7:00	G	A	1	1	8X10 EPM Whatman	PCB (EPA 8082 / TO-04)	X	1132.8	611.7
11 PE-TSP082922-12ADOWNWIND	Q0451170	08/29/22	7:15	G	A	1	1	8X10 EPM Whatman	PAH (EPA 8270-SIM / TO-13)		1132.8	611.7
12 PE-PM10082922-B606UPWIND	Q0451169	08/29/22	7:00	G	A	1	1	8X10 EPM Whatman	Asbestos (NIOSH 7400)		1132.8	611.7
13 PE-PM10082922-12ADOWNWIND	Q0451171	08/29/22	7:15	G	A	1	1	8X10 EPM Whatman	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	X	1132.8	611.7
14 PE-TSP083022-B606UPWIND	Q0451176	08/30/22	7:00	G	A	1	1	8X10 EPM Whatman	TSP, Mn, Pb (40 CFR 50 App B; NIOSH 7)	X	1132.8	611.7
15 PE-TSP083022-12ADOWNWIND	Q0451178	08/30/22	7:15	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
16 PE-PM10083022-B606UPWIND	Q0451177	08/30/22	7:00	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
17 PE-PM10083022-12ADOWNWIND	Q0451179	08/30/22	7:15	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
18 PE-TSP083122-B606UPWIND	Q0451184	08/31/22	7:00	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
19 PE-TSP083122-12ADOWNWIND	Q0451184	08/31/22	7:15	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
20 PE-PM10083122-B606UPWIND	Q0451187	08/31/22	7:00	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
21 PE-PM10083122-12ADOWNWIND	Q0451187	08/31/22	7:15	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
22 PE-TSP090122-B606UPWIND	Q0451192	09/01/22	7:00	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
23 PE-TSP090122-12ADOWNWIND	Q0451194	09/01/22	7:15	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
24 PE-PM10090122-B606UPWIND	Q0451193	09/01/22	7:00	G	A	1	1	8X10 EPM Whatman			1132.8	611.7
25 PE-PM10090122-12ADOWNWIND	Q0451195	09/01/22	7:15	G	A	1	1	8X10 EPM Whatman			1132.8	611.7

9/8/22 *Rose Condit*

AIR MONITORING(DF226494  
PROJECT NAME:

HPNS Parcel E PROJ. NO. 501197 Asbestos

STATION

CTO 0024 - AIR I26

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
DF223366	PE-ASB082922-B606UPWIND	8/29/2022	2 000	2 000	2 000	8/29/22 07 00	8/29/22 17 00	600	1 20	Asbestos	2 00
DF223300	PE-ASB082922-12ADOWNWIND	8/29/2022	2 000	2 000	2 000	8/29/22 07 15	8/29/22 17 15	600	1 20	Asbestos	2 00
DF223290	PE-ASB083022-B606UPWIND	8/30/2022	2 000	2 000	2 000	8/30/22 07 00	8/30/22 17 00	600	1 20	Asbestos	2 00
DF223303	PE-ASB083022-12ADOWNWIND	8/30/2022	2 000	2 000	2 000	8/30/22 07 15	8/30/22 17 15	600	1 20	Asbestos	2 00
DF223312	PE-ASB083122-B606UPWIND	8/31/2022	2 000	2 000	2 000	8/31/22 07 00	8/31/22 17 00	600	1 20	Asbestos	2 00
DF223281	PE-ASB083122-12ADOWNWIND	8/31/2022	2 000	2 000	2 000	8/31/22 07 15	8/31/22 17 15	600	1 20	Asbestos	2 00
DF223276	PE-ASB090122-B606UPWIND	9/1/2022	2 000	2 000	2 000	9/01/22 07 00	9/01/22 17 00	600	1 20	Asbestos	2 00
DF223323	PE-ASB090122-12ADOWNWIND	9/1/2022	2 000	2 000	2 000	9/01/22 07 15	9/01/22 17 15	600	1 20	Asbestos	2 00
DB917032	PE-ASB090122-BLANK	9/1/2022	2 000	2 000	2 000	9/01/22 07 00	9/01/22 17 00	600	1 20	Asbestos	2 00



PROJECT NAME:

HPNS Parcel E

PROJ. NO.

501158

STATION

CTO 0024 - AIR 126

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (CFM)		RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)	
			START	STOP	AVERAGE	START					STOP
Q0451168	PE-TSP082922-B606UPWIND	* 8/29/2022	40	40	40	8/29/22 07:00	8/29/22 16:00	540	611.7	TSP	1132.80
Q0451170	PE-TSP082922-12ADOWNWIND	8/29/2022	40	40	40	8/29/22 07 15	8/29/22 16 15	540	611.7	TSP	1132.80
Q0451169	PE-PM10082922-B606UPWIND	8/29/2022	40	40	40	8/29/22 07:00	8/29/22 16:00	540	611.7	PM-10	1132.80
Q0451171	PE-PM10082922-12ADOWNWIND	8/29/2022	40	40	40	8/29/22 07 15	8/29/22 16 15	540	611.7	PM-10	1132.80
Q0451176	PE-TSP083022-B606UPWIND	8/30/2022	40	40	40	8/30/22 07 00	8/30/22 16 00	540	611.7	TSP	1132.80
Q0451178	PE-TSP083022-12ADOWNWIND	8/30/2022	40	40	40	8/30/22 07 15	8/30/22 16 15	540	611.7	TSP	1132.80
Q0451177	PE-PM10083022-B606UPWIND	8/30/2022	40	40	40	8/30/22 07 00	8/30/22 16 00	540	611.7	PM-10	1132.80
Q0451179	PE-PM10083022-12ADOWNWIND	8/30/2022	40	40	40	8/30/22 07 15	8/30/22 16 15	540	611.7	PM-10	1132.80
Q0451184	PE-TSP083122-B606UPWIND	8/31/2022	40	40	40	8/31/22 07:00	8/31/22 16:00	540	611.7	TSP	1132.80
Q0451186	PE-TSP083122-12ADOWNWIND	8/31/2022	40	40	40	8/31/22 07 15	8/31/22 16 15	540	611.7	TSP	1132.80
Q0451185	PE-PM10083122-B606UPWIND	8/31/2022	40	40	40	8/31/22 07:00	8/31/22 16:00	540	611.7	PM-10	1132.80
Q0451187	PE-PM10083122-12ADOWNWIND	8/31/2022	40	40	40	8/31/22 07 15	8/31/22 16 15	540	611.7	PM-10	1132.80
Q0451192	PE-TSP090122-B606UPWIND	9/1/2022	40	40	40	9/01/22 07 00	9/01/22 16 00	540	611.7	TSP	1132.80
Q0451194	PE-TSP090122-12ADOWNWIND	9/1/2022	40	40	40	9/01/22 07 15	9/01/22 16 15	540	611.7	TSP	1132.80
Q0451193	PE-PM10090122-B606UPWIND	9/1/2022	40	40	40	9/01/22 07 00	9/01/22 16 00	540	611.7	PM-10	1132.80
Q0451195	PE-PM10090122-12ADOWNWIND	9/1/2022	40	40	40	9/01/22 07 15	9/01/22 16 15	540	611.7	PM-10	1132.80



570-108902 Chain of Custody



APTIM Federal Services, LLC

4005 Port Chicago Hwy  
Concord CA 94520

# CHAIN OF CUSTODY

Ref. Document #

Page 1 of 2

CTO 0024 - AIR 126

Loc: 570  
108902

Project Number: 501158  
 Project Name: HPNS - Parcel E  
 Project Location: San Francisco, CA  
 Purchase Order #: 1175705  
 Lab Destination: Eurofins-Calscience  
 7440 Lincoln Way  
 Garden Grove CA 92841  
 Lab Contact: Terri Chang

Project Manager: Nels Johnson  
 Send Report To: Rose Condit  
 Phone/Fax Number: 415 340 9637  
 Address: 4005 Port Chicago Hwy  
 City: Concord, CA 94520  
[rose\\_condit@aptim.com](mailto:rose_condit@aptim.com)

Sample ID Number	Filter No.	Collection Information			Method	# of containers	Container Type	Analyses Requested					
		Date	Time	Level				Matrix	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
PE-ASB082922-B606UPWIND	DF223366	08/29/22	7:00	G	A	1	PCM	X				2.00	1.20
PE-ASB082922-12ADOWNWIND	DF223300	08/29/22	7:15	G	A	1	PCM	X				2.00	1.20
PE-ASB083022-B606UPWIND	DF223290	08/30/22	7:00	G	A	1	PCM	X				2.00	1.20
PE-ASB083022-12ADOWNWIND	DF223303	08/30/22	7:15	G	A	1	PCM	X				2.00	1.20
PE-ASB083122-B606UPWIND	DF223312	08/31/22	7:00	G	A	1	PCM	X				2.00	1.20
PE-ASB083122-12ADOWNWIND	DF223281	08/31/22	7:15	G	A	1	PCM	X				2.00	1.20
PE-ASB090122-B606UPWIND	DF223276	09/01/22	7:00	G	A	1	PCM	X				2.00	1.20
PE-ASB090122-12ADOWNWIND	DF223323	09/01/22	7:15	G	A	1	PCM	X				2.00	1.20
PE-ASB090122-BLANK	DB917032	09/01/22	7:00	G	A	1	PCM	X				2.00	1.20
Temperature Blank													

Special Instructions: J to MDL

Turn Around Time  
 24-hr  
 5-day  10-day

Relinquished By: Dominick Gregory  
 Date: 9/6/22  
 Time: 1600

Relinquished By: *Dominick Gregory*

Relinquished By: *Phyllis*  
 Date: 9/8/22  
 Time: 10:00

Relinquished By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Relinquished By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Level Of QC Required:  
 I  II  III Project Specific

Received By: Fed ex  
 Date: 9/6/22  
 Time: 1600

Received By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Received By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Received By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Method Codes  
 C = Composite  
 Matrix Codes  
 DW = Drinking Water  
 GW = Ground Water  
 WW = Waste Water  
 A=Air

G = Grab  
 SO = Soil  
 SL = Sludge  
 CP = Chip Samples

ABS=Asbestos, PO=Pipe Opening



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

# CHAIN OF CUSTODY

Ref. Document # CTO 0024-AIR 126  
Page 2 of 2

Project Number: 501158

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: Rose Condit

Phone/Fax Number: 4153409637

Address: 4005 Port Chicago Hwy

City: Concord, CA 94520

rose.condit@aptim.com

Sample ID Number	Sampler's Name(s): DG,PD	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 (40 CFR 50 App B; NIOSH 7)	Flow Rate (L/min.)	Sample Volume (m <sup>3</sup> )
PE-TSP082922-B606UPWIND	Q0451168	Q0451168	08/29/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP082922-12ADOWNWIND	Q0451170	Q0451170	08/29/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10082922-B606UPWIND	Q0451169	Q0451169	08/29/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10082922-12ADOWNWIND	Q0451171	Q0451171	08/29/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-TSP083022-B606UPWIND	Q0451176	Q0451176	08/30/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP083022-12ADOWNWIND	Q0451178	Q0451178	08/30/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10083022-B606UPWIND	Q0451177	Q0451177	08/30/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10083022-12ADOWNWIND	Q0451179	Q0451179	08/30/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP083122-B606UPWIND	Q0451184	Q0451184	08/31/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP083122-12ADOWNWIND	Q0451154	Q0451154	08/31/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10083122-B606UPWIND	Q0451153	Q0451153	08/31/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10083122-12ADOWNWIND	Q0451187	Q0451187	08/31/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP090122-B606UPWIND	Q0451192	Q0451192	09/01/22	7:00	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-TSP090122-12ADOWNWIND	Q0451194	Q0451194	09/01/22	7:15	G	A	1	8X10 EPM Whatman					X	1132.8	611.7
PE-PM10090122-B606UPWIND	Q0451193	Q0451193	09/01/22	7:00	G	A	1	8X10 EPM Whatman				X		1132.8	611.7
PE-PM10090122-12ADOWNWIND	Q0451195	Q0451195	09/01/22	7:15	G	A	1	8X10 EPM Whatman				X		1132.8	611.7



AIR MONITORING(DF226494  
PROJECT NAME:

HPNS Parcel E PROJ. NO. 501197 Asbestos

STATION

CTO 0024 - AIR I26

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (L/min)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)
DF223366	PE-ASB082922-B606UPWIND	8/29/2022	2 000	2 000	2 000	8/29/22 07 00	8/29/22 17 00	600	1 20	Asbestos	2 00
DF223300	PE-ASB082922-12ADOWNWIND	8/29/2022	2 000	2 000	2 000	8/29/22 07 15	8/29/22 17 15	600	1 20	Asbestos	2 00
DF223290	PE-ASB083022-B606UPWIND	8/30/2022	2 000	2 000	2 000	8/30/22 07 00	8/30/22 17 00	600	1 20	Asbestos	2 00
DF223303	PE-ASB083022-12ADOWNWIND	8/30/2022	2 000	2 000	2 000	8/30/22 07 15	8/30/22 17 15	600	1 20	Asbestos	2 00
DF223312	PE-ASB083122-B606UPWIND	8/31/2022	2 000	2 000	2 000	8/31/22 07 00	8/31/22 17 00	600	1 20	Asbestos	2 00
DF223281	PE-ASB083122-12ADOWNWIND	8/31/2022	2 000	2 000	2 000	8/31/22 07 15	8/31/22 17 15	600	1 20	Asbestos	2 00
DF223276	PE-ASB090122-B606UPWIND	9/1/2022	2 000	2 000	2 000	9/01/22 07 00	9/01/22 17 00	600	1 20	Asbestos	2 00
DF223323	PE-ASB090122-12ADOWNWIND	9/1/2022	2 000	2 000	2 000	9/01/22 07 15	9/01/22 17 15	600	1 20	Asbestos	2 00
DB917032	PE-ASB090122-BLANK	9/1/2022	2 000	2 000	2 000	9/01/22 07 00	9/01/22 17 00	600	1 20	Asbestos	2 00



PROJECT NAME:

HPNS Parcel E

PROJ. NO.

501158

CTO 0024 - AIR 126

## STATION

Filter No	SAMPLE NO.	Sample Date	FLOW RATE (CFM)		RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m <sup>3</sup> )	Analysis	Flow Rate (L/min.)	
			START	STOP	AVERAGE	START					STOP
Q0451168	PE-TSP082922-B606UPWIND	* 8/29/2022	40	40	40	8/29/22 07:00	8/29/22 16:00	540	611.7	TSP	1132.80
Q0451170	PE-TSP082922-12ADOWNWIND	8/29/2022	40	40	40	8/29/22 07 15	8/29/22 16 15	540	611.7	TSP	1132.80
Q0451169	PE-PM10082922-B606UPWIND	8/29/2022	40	40	40	8/29/22 07:00	8/29/22 16:00	540	611.7	PM-10	1132.80
Q0451171	PE-PM10082922-12ADOWNWIND	8/29/2022	40	40	40	8/29/22 07 15	8/29/22 16 15	540	611.7	PM-10	1132.80
Q0451176	PE-TSP083022-B606UPWIND	8/30/2022	40	40	40	8/30/22 07 00	8/30/22 16 00	540	611.7	TSP	1132.80
Q0451178	PE-TSP083022-12ADOWNWIND	8/30/2022	40	40	40	8/30/22 07 15	8/30/22 16 15	540	611.7	TSP	1132.80
Q0451177	PE-PM10083022-B606UPWIND	8/30/2022	40	40	40	8/30/22 07 00	8/30/22 16 00	540	611.7	PM-10	1132.80
Q0451179	PE-PM10083022-12ADOWNWIND	8/30/2022	40	40	40	8/30/22 07 15	8/30/22 16 15	540	611.7	PM-10	1132.80
Q0451184	PE-TSP083122-B606UPWIND	8/31/2022	40	40	40	8/31/22 07:00	8/31/22 16:00	540	611.7	TSP	1132.80
Q0451186	PE-TSP083122-12ADOWNWIND	8/31/2022	40	40	40	8/31/22 07 15	8/31/22 16 15	540	611.7	TSP	1132.80
Q0451185	PE-PM10083122-B606UPWIND	8/31/2022	40	40	40	8/31/22 07:00	8/31/22 16:00	540	611.7	PM-10	1132.80
Q0451187	PE-PM10083122-12ADOWNWIND	8/31/2022	40	40	40	8/31/22 07 15	8/31/22 16 15	540	611.7	PM-10	1132.80
Q0451192	PE-TSP090122-B606UPWIND	9/1/2022	40	40	40	9/01/22 07 00	9/01/22 16 00	540	611.7	TSP	1132.80
Q0451194	PE-TSP090122-12ADOWNWIND	9/1/2022	40	40	40	9/01/22 07 15	9/01/22 16 15	540	611.7	TSP	1132.80
Q0451193	PE-PM10090122-B606UPWIND	9/1/2022	40	40	40	9/01/22 07 00	9/01/22 16 00	540	611.7	PM-10	1132.80
Q0451195	PE-PM10090122-12ADOWNWIND	9/1/2022	40	40	40	9/01/22 07 15	9/01/22 16 15	540	611.7	PM-10	1132.80



ORIGIN ID CCRA (925) 689-9022  
ALAN KEMP  
EUROFINS CALSCIENCE, INC  
5063 COMMERCIAL CIRCLE  
SUITE H  
CONCORD, CA 94520  
UNITED STATES US

SHIP DATE 08SEP22  
ACTWGT 5.00 LB  
CAD 1533735/NET4530

BILL SENDER

TO **SAMPLE RECEIVING**  
**EUROFINS CALSCIENCE-TUSTIN**  
**2841 DOW AVENUE**  
**SUITE 100**  
**TUSTIN CA 92780**

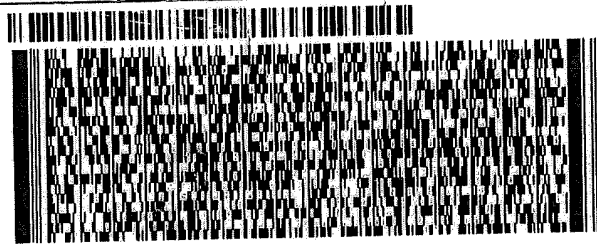
581 J1FE8G1FEZD

(714) 895-5494  
INV  
PO

REF .APTIM HPNS

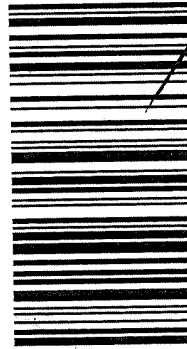
DEPT

Ship Manager - Print Your Label(s)



**THU - 08 SEP AA**  
**STANDARD OVERNIGHT**

92780  
CA-US SNA  
EXP 01/23



570-108902 Waybill

# Login Sample Receipt Checklist

Client: Aptim Federal Services LLC

Job Number: 570-108902-1

**Login Number: 108902**

**List Number: 1**

**Creator: Lizotte, Lex**

**List Source: Eurofins Calscience**

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

