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

INTERIM
AIR MONITORING SUMMARY REPORT NO. 04

Data Date Range: November 20, 2019 through February 28, 2020
Parcel E Remedial Action—Phase 1

HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA

March 2020

DCN: APTM-2005-0024-0082

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Prepared for:

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Naval Facilities Engineering Command Southwest
BRAC PMO West
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DCN: APTM-2005-0024-0082

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Acronyms and Abbreviations

APTIM	Aptim Federal Services, LLC
DCP	dust control plan
EPA	U.S. Environmental Protection Agency
PM10	particulate matter larger than 10 microns in size
TSP	total suspended particulates
Work Plan	*Final Remedial Action Work Plan, Parcel E Remedial Action—Phase 1, Hunters Point Naval Shipyard, San Francisco, California*

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 monitoring 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 monitoring 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 monitoring samples are collected
- What test methods are used to analyze air monitoring samples
- How air monitoring data are evaluated

This summary report also presents the air monitoring test results from November 20, 2019 through February 28, 2020, and compares the results with the established action levels included in the Work Plan (APTIM, 2019).

2.0 MONITORING SITE LOCATIONS

Air monitoring 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 monitoring stations and wind direction. For the fieldwork conducted during this period, APTIM utilized upwind and downwind monitoring locations marked as "Air Monitoring Station #1 Upwind" near Crisp Road and "Air Monitoring Station #1 Downwind" near Building 606 (Figure 1). Air monitoring is being performed to help ensure effective dust control. The locations of the air monitoring stations were determined based on the prevailing wind direction and can be modified as needed. A windsock installed onsite is used to show wind direction and weather forecasts are checked daily at www.noaa.gov. Monitoring stations remain stationary while sampling is being conducted. Each monitoring station includes three separate air monitoring systems for the following:

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

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 Method 7400, in the *NIOSH Manual of Analytical Methods* (1994). 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.

4.0 ANALYSIS OF DUST AND AIR MONITORING DATA

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

Table 1
Air Monitoring Action Levels

Test Parameters	Action Level[c]	Basis
PM10 (by air monitoring laboratory analysis)	5,000 µg/m^3 (basewide)	Cal/OSHA PEL[a]
PM10 (by real-time dust monitoring)	50 µg/m^3 (Building 606 area only)	BAAQMD[b]
TSP	0.5 mg/m^3	Basewide HPNS Level selected to minimize overall permissible dust release from sites
Arsenic	10 µg/m^3	Cal/OSHA PEL
Lead	50 µg/m^3	Cal/OSHA PEL
Manganese	200 µg/m^3	Cal/OSHA PEL
Asbestos	0.1 fiber/cm^3	Cal/OSHA PEL

Notes:

[a] Cal/OSHA PEL for particulates not otherwise regulated (respiratory) used for PM10.

[b] The BAAQMD limit for total PM10 is 50 µg/m^3 and is applicable only for workers in the Building 606 area (DTSC, 2019).

[c] Basewide action levels are from the Final Basewide Dust Control Plan, Hunters Point Shipyard, San Francisco, California (TetraTech EC, Inc., 2010).

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

5.0 AIR MONITORING RESULTS

The tables included as Attachment 1 present weather information (including ambient pressure and temperature data) and air monitoring results. Air monitoring data were collected from the upwind monitoring station and downwind monitoring station, identified in Section 2.0. Attachment 2 includes analytical laboratory results. Table 2 lists each interim air monitoring 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 2
Air Monitoring 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

Report 01: Air monitoring 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 monitoring results collected during this monitoring period were below the action levels identified in Table 1.

Report 02: Air monitoring 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 monitoring results collected during this monitoring period were below the action levels identified in Table 1.

Report 03: Air monitoring samples were not collected on January 1 to 2 and January 8 to 31, 2020, as no earth-moving activities were conducted. Air monitoring results collected during this monitoring period were below the action levels identified in Table 1.

Report 04: Air monitoring samples were not collected on February 3 to 10 and February 20 to 28, 2020, as no earth-moving activities were conducted. Air monitoring results collected during this monitoring period were below the action levels identified in Table 1.

6.0 REFERENCES

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

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

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

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

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

Figure

FIGURE

Bldg. 606 Dust Monitor #1 - Upwind (See Note 4)

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

Air Monitoring Station #1 - Upwind (See Note 4)

IR-04 CVOC Plume

Parcel E-2

Prevailing Wind Direction

Access Point to Parcel E-2 (by others)

RCA Control Point (See Note 6)

Parcel G

IR-12A CVOC Plume

IR-12B Benzene Plume

Radiological S3 Screening Area

Mechanical Soil Processing Area

Building 406 (IR-36) CVOC Plume

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

Temporary water line to IR-02 Slurry Wall Mix Plant

PARCEL E

Bldg. 606 Dust Monitor #1 - Downwind (See Note 4)

Air Monitoring Station #1 - Downwind (See Note 4)

Potential MPPEH Screening Area

IR-02 NORTHWEST AND CENTRAL TCRA AREA

IR-02 Northwest Nearshore Slurry Wall

Parcel D-1

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

Radiological S3 Screening Area

Turbidity Curtain (See Notes 2 and 3)

Armored Shoreline Revetment and Concrete Seawall

Hybrid Shoreline Stabilization

IR-02 Slurry Wall Mix Plant Area

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

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

Hybrid Shoreline Stabilization

SAN FRANCISCO BAY

Turbidity Curtain (See Notes 2 and 3)

Potential MPPEH Screening Area

METAL DEBRIS REEF TCRA AREA

Armored Shoreline Revetment and Concrete Seawall

0 400 800 Feet

Notes:

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

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

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

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

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

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

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

References:

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

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

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

U.S. Department of the Navy
BRAC PMO West
San Diego, California

FIGURE 1
CONSTRUCTION SITE LAYOUT
AND AIR MONITORING LOCATION MAP

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

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

Attachment 1
Air Sampling Results

Attachment 1, Table 1
Ambient Pressure and Temperature Monitoring Results

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

Attachment 1, Table 1
Ambient Pressure and Temperature Monitoring Results

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

Notes:

°C - degrees Celsius

in Hg - inches of mercury

Ambient pressure and ambient temperature data were gathered from the wunderground weather website (www.wunderground.com). Data were collected from station KCASANFR58 at 1200.

Attachment 1, Table 2
TSP and Metals Monitoring Results

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

Attachment 1, Table 2
TSP and Metals Monitoring Results

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

Attachment 1, Table 2
TSP and Metals Monitoring Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
20-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
10-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
11-Feb-20	Upwind	7.2	0.029	No	<0.016	No	<0.016	No	0.0203	No
11-Feb-20	Downwind	7.2	0.042	No	<0.016	No	<0.016	No	<0.016	No
12-Feb-20	Upwind	5.5	0.023	No	<0.016	No	0.0396	No	<0.016	No
12-Feb-20	Downwind	5.6	0.032	No	<0.016	No	<0.016	No	<0.016	No
13-Feb-20	Upwind	5.3	0.018	No	<0.016	No	<0.016	No	<0.016	No
13-Feb-20	Downwind	5.1	0.015	No	<0.016	No	<0.016	No	<0.016	No
14-Feb-20	Upwind	7.8	0.010	No	<0.016	No	<0.016	No	<0.016	No
14-Feb-20	Downwind	7.7	0.008	No	<0.016	No	<0.016	No	<0.016	No
17-Feb-20	Upwind	7.7	0.013	No	<0.016	No	<0.016	No	0.1849	No
17-Feb-20	Downwind	7.6	0.007	No	<0.016	No	0.0284	No	<0.016	No
18-Feb-20	Upwind	7.0	0.008	No	<0.016	No	<0.016	No	<0.016	No

Attachment 1, Table 2
TSP and Metals Monitoring Results

Date	Sample Location	Sampling Period (hours)	TSP (mg/m^3)	TSP Exceedance? (Yes/No)	Arsenic ($\mu g/m^3$)	Arsenic Exceedance? (Yes/No)	Lead ($\mu g/m^3$)	Lead Exceedance? (Yes/No)	Manganese ($\mu g/m^3$)	Manganese Exceedance? (Yes/No)
18-Feb-20	Downwind	7.1	0.012	No	<0.016	No	<0.016	No	<0.016	No
19-Feb-20	Upwind	3.8	0.018	No	<0.016	No	0.0560	No	<0.016	No
19-Feb-20	Downwind	3.9	<0.016	No	<0.016	No	<0.016	No	<0.016	No
20-Feb-20	Upwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
20-Feb-20	Downwind	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3
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

Notes:

Sample locations are shown on Figure 1.

The threshold criteria are as follows: TSP = 0.5 mg/m^3, arsenic = 10 $\mu g/m^3$, lead = 50 $\mu g/m^3$, manganese = 200 $\mu g/m^3$.

The detection limit for TSP is 0.06 $\mu g/m^3$ assuming a minimum sample volume of 1,600 m^3. The detection limits for arsenic, lead and manganese are 16 ng/m^3 assuming minimum sample volumes of 1,600 m^3.

$\mu g/m^3$ - micrograms per cubic meter

mg/m^3 - milligrams per cubic meter

N/A - not applicable

ng/m^3 - nanograms per cubic meter

TSP - total suspended particulates

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.

Attachment 1, Table 3
PM10 Monitoring Results

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

Attachment 1, Table 3
PM10 Monitoring Results

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

Attachment 1, Table 3
PM10 Monitoring Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
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
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

Attachment 1, Table 3
PM10 Monitoring Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)
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	ND	No
11-Feb-20	Downwind	7.2	21.7	No
12-Feb-20	Upwind	5.5	ND	No
12-Feb-20	Downwind	5.6	ND	No
13-Feb-20	Upwind	5.3	25.0	No
13-Feb-20	Downwind	5.1	ND	No
14-Feb-20	Upwind	7.8	ND	No
14-Feb-20	Downwind	7.7	ND	No
17-Feb-20	Upwind	7.7	ND	No
17-Feb-20	Downwind	7.6	ND	No
18-Feb-20	Upwind	7.0	ND	No
18-Feb-20	Downwind	7.1	14.0	No
19-Feb-20	Upwind	3.8	ND	No
19-Feb-20	Downwind	3.9	ND	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

Notes:
Sample locations are shown on Figure 1.

Attachment 1, Table 3
PM10 Monitoring Results

Date	Sample Location	Sampling Period (hours)	PM10 ($\mu g/m^3$)	PM10 Exceedance? (Yes/No)

The threshold criteria are as follows: Cal/OSHA PEL = 5,000 $\mu g/m^3$ and BAAQMD = 50 $\mu g/m^3$

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

$\mu g/m^3$ - micrograms per cubic meter

N/A - not applicable

PM10 - particulate matter smaller than 10 microns in diameter

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.

Attachment 1, Table 4
Asbestos Monitoring Results

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

Attachment 1, Table 4
Asbestos Monitoring Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
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
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

Attachment 1, Table 4
Asbestos Monitoring Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
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
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

Attachment 1, Table 4
Asbestos Monitoring Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)
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
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

Notes:

Sample locations are shown on Figure 1.

Attachment 1, Table 4
Asbestos Monitoring Results

Date	Sample Location	Sampling Period (hours)	Asbestos (fibers/cm^3)	Asbestos Exceedance? (Yes/No)

The threshold value for asbestos is 0.1 fibers/cm^3.

The detection limit is 0.003 fibers/cm^3 assuming a minimum sample volume of 900 liters.

fibers/cm^3 - fibers per cubic centimeter

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.

Attachment 2
Analytical Laboratory Reports

ANALYTICAL REPORT

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

Laboratory Job ID: 570-21828-1
Client Project/Site: HPNS - Parcel E / 500712

For:
Inya Inc
779 Leyland Dr
Diamond Bar, California 91765

Attn: Sabina Sudoko

Authorized for release by:
3/5/2020 6:19:25 PM

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

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Laboratory Job ID: 570-21828-1

Table of Contents

Case Narrative

Client: Inya Inc
Job ID: 570-21828-1
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-21828-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-21828-1

Comments
No additional comments.

Receipt
The samples were received on 2/26/2020 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 22.0º C.

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

Subcontract Work
Method Asbestos - Low Flow NIOSH 7400: This method was subcontracted to EMSL - LA Testing - Huntington Beach. The subcontract laboratory certification is different from that of the facility issuing the final report.

Method Summary

Client: Inya Inc
Job ID: 570-21828-1
Project/Site: HPNS - Parcel E / 500712

Method	Method Description	Protocol	Laboratory
NIOSH 7400 Rev	NIOSH 7400 Rev. 3	NIOSH	EMSL

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Inya Inc
Job ID: 570-21828-1
Project/Site: HPNS - Parcel E / 500712

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-21828-1	PE-ASB021120-B606UPWIND	Filter	02/11/20 07:16	02/26/20 10:35	
570-21828-2	PE-ASB021120-B606DOWNWIND	Filter	02/11/20 07:28	02/26/20 10:35	
570-21828-3	PE-ASB021220-B606UPWIND	Filter	02/12/20 07:01	02/26/20 10:35	
570-21828-4	PE-ASB021220-B606DOWNWIND	Filter	02/12/20 07:08	02/26/20 10:35	
570-21828-5	PE-ASB021320-B606UPWIND	Filter	02/13/20 07:15	02/26/20 10:35	
570-21828-6	PE-ASB021320-B606DOWNWIND	Filter	02/13/20 07:38	02/26/20 10:35	
570-21828-7	PE-ASB021420-B606UPWIND	Filter	02/14/20 07:24	02/26/20 10:35	
570-21828-8	PE-ASB021420-B606DOWNWIND	Filter	02/14/20 07:18	02/26/20 10:35	
570-21828-9	PE-ASB021720-B606UPWIND	Filter	02/17/20 07:20	02/26/20 10:35	
570-21828-10	PE-ASB021720-B606DOWNWIND	Filter	02/17/20 07:31	02/26/20 10:35	
570-21828-11	PE-ASB021820-B606UPWIND	Filter	02/18/20 07:02	02/26/20 10:35	
570-21828-12	PE-ASB021820-B606DOWNWIND	Filter	02/18/20 07:11	02/26/20 10:35	
570-21828-13	PE-ASB021920-B606UPWIND	Filter	02/19/20 07:11	02/26/20 10:35	
570-21828-14	PE-ASB021920-B606DOWNWIND	Filter	02/19/20 07:19	02/26/20 10:35	
570-21828-15	PE-ASB-BLANK-B606UPWIND	Filter	02/19/20 07:06	02/26/20 10:35	
570-21828-16	PE-ASB-BLANK-B606DOWNWIND	Filter	02/19/20 07:19	02/26/20 10:35	

ATTACHMENT 2

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

LA Testing Order: 332004139
Customer ID: 32CALS51
Customer PO: 57003235
Project ID:

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

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 02/28/2020 09:15 AM
Analysis Date: 03/04/2020
Collected Date: 02/11/2020 - 02/19/2020

Project: HPNS - Parcel E/ 500712 - 57003235

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

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
PE-ASB021120-B606UPWIND (570-21828-1) *332004139-0001*		02/11/2020	860	<5.5	100	0.0031	<7.01	<0.0031	
PE-ASB021120-B606DOWNWIND (570-21828-2) *332004139-0002*		02/11/2020	866	<5.5	100	0.0031	<7.01	<0.0031	
PE-ASB021220-B606UPWIND (570-21828-3) *332004139-0003*		02/12/2020	658	<5.5	100	0.0041	<7.01	<0.0041	
PE-ASB021220-B606DOWNWIND (570-21828-4) *332004139-0004*		02/12/2020	676	<5.5	100	0.0040	<7.01	<0.0040	
PE-ASB021320-B606UPWIND (570-21828-5) *332004139-0005*		02/13/2020	630	<5.5	100	0.0043	<7.01	<0.0043	
PE-ASB021320-B606DOWNWIND (570-21828-6) *332004139-0006*		02/13/2020	612	<5.5	100	0.0044	<7.01	<0.0044	
PE-ASB021420-B606UPWIND (570-21828-7) *332004139-0007*		02/14/2020	932	<5.5	100	0.0029	<7.01	<0.0029	
PE-ASB021420-B606DOWNWIND (570-21828-8) *332004139-0008*		02/14/2020	924	<5.5	100	0.0029	<7.01	<0.0029	
PE-ASB021720-B606UPWIND (570-21828-9) *332004139-0009*		02/17/2020	920	<5.5	100	0.0029	<7.01	<0.0029	
PE-ASB021720-B606DOWNWIND (570-21828-10) *332004139-0010*		02/17/2020	918	<5.5	100	0.0029	<7.01	<0.0029	
PE-ASB021820-B606UPWIND (570-21828-11) *332004139-0011*		02/18/2020	836	<5.5	100	0.0032	<7.01	<0.0032	
PE-ASB021820-B606DOWNWIND (570-21828-12) *332004139-0012*		02/18/2020	852	<5.5	100	0.0032	<7.01	<0.0032	
PE-ASB021920-B606UPWIND (570-21828-13) *332004139-0013*		02/19/2020	458	<5.5	100	0.0059	<7.01	<0.0059	

Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. Results have been blank corrected as applicable. The report reflects the samples as received. 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 = 0.38, 21-50 fibers = 0.23, 51-100 fibers = 0.21. 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: 03/04/2020 04:32 PM

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

LA Testing Order: 332004139
Customer ID: 32CALS51
Customer PO: 57003235
Project ID:

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

Phone: (714) 895-5494
Fax: (714) 894-7501
Received Date: 02/28/2020 09:15 AM
Analysis Date: 03/04/2020
Collected Date: 02/11/2020 - 02/19/2020

Project: HPNS - Parcel E/ 500712 - 57003235

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

Sample	Location	Sample Date	Volume (L)	Fibers	Fields	LOD (fib/cc)	Fibers/mm²	Fibers/cc	Notes
PE-ASB021920-B606DOWNWIND (570-21828-14)		02/19/2020	462	<5.5	100	0.0058	<7.01	<0.0058	
332004139-0014									
PE-ASB-BLANK-B606UPWIND (570-21828-15)		02/19/2020		<5.5	100		<7.01		Field Blank
332004139-0015									
PE-ASB-BLANK-B606DOWNWIND (570-21828-16)		02/19/2020		<5.5	100		<7.01		Field Blank
332004139-0016									

The results reported have been blank corrected as applicable.

Analyst(s):
Sotheary Son PCM 16

Michael DeCavallas, Laboratory Manager
or other Approved Signatory

Limit of detection is 7 fibers/mm². Fiber counts outside the recommended fiber density range of the method (100-1300 f/mm2) have greater than optimal variability and are probably biased. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. Results have been blank corrected as applicable. The report reflects the samples as received. 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 = 0.38, 21-50 fibers = 0.23, 51-100 fibers = 0.21. 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: 03/04/2020 04:32 PM

1 2 3 4 5 6 7 8

#332004139

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

Chain of Custody Record

eurofins | Calscience

3/5/2020

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Chang, Terri	Carrier Tracking No(s):	COC No: 570-23670.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: terrichang@eurofinsus.com	State of Origin: California	Page: Page 1 of 2
Company: EMSL Analytical, Inc.		Accreditations Required (See note):		Job #: 570-21828-1
Address: 5431 Industrial Drive, ,	Due Date Requested: 3/10/2020			
City: Huntington Beach	TAT Requested (days):			
State, Zip: CA, 92649				
Phone:	PO #:			
Email:	WO #:			
Project Name: HPNS - Parcel E / 500712	Project #: 57003235			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Asbestos - Low Flow NIOSH 7400)/ NIOSH 7400	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PE-ASB021120-B606UPWIND (570-21828-1)	2/11/20	07:16 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021120-B606DOWNWIND (570-21828-2)	2/11/20	07:28 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021220-B606UPWIND (570-21828-3)	2/12/20	07:01 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021220-B606DOWNWIND (570-21828-4)	2/12/20	07:08 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021320-B606UPWIND (570-21828-5)	2/13/20	07:15 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021320-B606DOWNWIND (570-21828-6)	2/13/20	07:38 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021420-B606UPWIND (570-21828-7)	2/14/20	07:24 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021420-B606DOWNWIND (570-21828-8)	2/14/20	07:18 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021720-B606UPWIND (570-21828-9)	2/17/20	07:20 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	2/27/20 1323		LC (Courier)	2-28-20 9:15AM	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

OrderID: 332004139

Page 8 of 16

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

Chain of Custody Record

#3320041 39

eurofins | Calscience

3/5/2020

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Chang, Terri	Carrier Tracking No(s):	COC No: 570-23670.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: terrichang@eurofinsus.com	State of Origin: California	Page: Page 2 of 2
Company: EMSL Analytical, Inc.		Accreditations Required (See note):		Job #: 570-21828-1
Address: 5431 Industrial Drive, ,	Due Date Requested: 3/10/2020			
City: Huntington Beach	TAT Requested (days):			
State, Zip: CA, 92649				
Phone:	PO #:			
Email:	WO #:			
Project Name: HPNS - Parcel E / 500712	Project #: 57003235			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, 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 Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Asbestos - Low Flow NIOSH 7400)/ NIOSH 7400	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PE-ASB021720-B606DOWNWIND (570-21828-10)	2/17/20	07:31 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021820-B606UPWIND (570-21828-11)	2/18/20	07:02 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021820-B606DOWNWIND (570-21828-12)	2/18/20	07:11 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021920-B606UPWIND (570-21828-13)	2/19/20	07:11 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB021920-B606DOWNWIND (570-21828-14)	2/19/20	07:19 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB-BLANK-B606UPWIND (570-21828-15)	2/19/20	07:06 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.
PE-ASB-BLANK-B606DOWNWIND (570-21828-16)	2/19/20	07:19 Pacific		Air			X	1	please provide EDD: PCM - EPA (Phase 2 CSV) for PCM ONLY.

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/27/20 1323		LC (Courier)	2-28-20 9:15 Am	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 01/16/2019

OrderID: 332004139

OrderID: 332004139

332004139

AIR MONITORING LOG

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

STATION COC# 005

SAMPLE NO. PE-ASB021120-B606UPWIND 2/11/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822410	2.0	2.0	2.0	2/11/20 07:16	2/11/20 14:26	430	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021120-B606DOWNWIND 2/11/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822430	2.0	2.0	2.0	2/11/20 07:28	2/11/20 14:41	433	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021220-B606UPWIND 2/12/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822467	2.0	2.0	2.0	2/12/20 07:01	2/12/20 12:30	329	0.7	Asbestos	2.00

SAMPLE NO. PE-ASB021220-B606DOWNWIND 2/12/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822476	2.0	2.0	2.0	2/12/20 07:08	2/12/20 12:46	338	0.7	Asbestos	2.00

SAMPLE NO. PE-ASB021320-B606UPWIND 2/13/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822427	2.0	2.0	2.0	2/13/20 07:15	2/13/20 12:30	315	0.6	Asbestos	2.00

SAMPLE NO. PE-ASB021320-B606DOWNWIND 2/13/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822465	2.0	2.0	2.0	2/13/20 07:38	2/13/20 12:44	306	0.6	Asbestos	2.00

SAMPLE NO. PE-ASB021420-B606UPWIND 2/14/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822487	2.0	2.0	2.0	2/14/20 07:24	2/14/20 15:10	466	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021420-B606DOWNWIND 2/14/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822519	2.0	2.0	2.0	2/14/20 07:18	2/14/20 15:00	462	0.9	Asbestos	2.00

OrderID: 332004139

#332004139

SAMPLE NO. PE-ASB021720-B606UPWIND — 2/17/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822482	2.0	2.0	2.0	2/17/20 07:20	2/17/20 15:00	460	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021720-B606DOWNWIND — 2/17/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822520	2.0	2.0	2.0	2/17/20 07:31	2/17/20 15:10	459	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021820-B606UPWIND — 2/18/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822455	2.0	2.0	2.0	2/18/20 07:02	2/18/20 14:00	418	0.8	Asbestos	2.00

SAMPLE NO. PE-ASB021820-B606DOWNWIND — 2/18/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822477	2.0	2.0	2.0	2/18/20 07:11	2/18/20 14:17	426	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021920-B606UPWIND — 2/19/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822419	2.0	2.0	2.0	2/19/20 07:11	2/19/20 11:00	229	0.5	Asbestos	2.00

SAMPLE NO. PE-ASB021920-B606DOWNWIND — 2/19/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822459	2.0	2.0	2.0	2/19/20 07:19	2/19/20 11:10	231	0.5	Asbestos	2.00

SAMPLE NO. PE-ASB-BLANK-B606UPWIND — 2/19/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822409	2.0	2.0	2.0	2/19/20 07:06	2/19/20 07:06	0	0.0	Asbestos	2.00

SAMPLE NO. PE-ASB-BLANK-B606DOWNWIND — 2/19/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822480	2.0	2.0	2.0	2/19/20 07:19	2/19/20 07:19	0	0.0	Asbestos	2.00

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 005

Page 1 of 2

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

Project Manager: ***Tim Kemper***

Send Report To: *Eddie Kalombo*
Phone/Fax Number: *415.987.0760*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
eddie.kalombo@aptim.com

Sampler's Name(s): EKK

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 115718
Delivery Date: 2/25/2020
Waybill Number: N/A
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

570-21828 Chain of Custody

Sample ID Number	Filter No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010	Flow Rate (L/min.)	Sample Volume (m^3)			
PE-ASB021120-B606UPWIND 1	CP822410	02/11/20	7:16	G	A	1	PCM			X			2.00	0.86			
PE-ASB021120-B606DOWNWIND 2	CP822430	02/11/20	7:28	G	A	1	PCM			X			2.00	0.866			
PE-ASB021220-B606UPWIND 3	CP822467	02/12/20	7:01	G	A	1	PCM			X			2.00	0.658			
PE-ASB021220-B606DOWNWIND 4	CP822476	02/12/20	7:08	G	A	1	PCM			X			2.00	0.676			
PE-ASB021320-B606UPWIND 5	CP822427	02/13/20	7:15	G	A	1	PCM			X			2.00	0.63			
PE-ASB021320-B606DOWNWIND 6	CP822465	02/13/20	7:38	G	A	1	PCM			X			2.00	0.612			
PE-ASB021420-B606UPWIND 7	CP822487	02/14/20	7:24	G	A	1	PCM			X			2.00	0.932			
PE-ASB021420-B606DOWNWIND 8	CP822519	02/14/20	7:18	G	A	1	PCM			X			2.00	0.924			
Temperature Blank																	X

Special Instructions:

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

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

Relinquished By: EDDIE KALOMBO Date: 2.25.20 Time: 1600
Received By: Date: 2/26/20 Time: 0835

Relinquished By: Date: Time:
Received By: Date: Time:

Method Codes
C = Composite G = Grab

Matrix Codes
DW = Drinking Water SO =Soil
GW = Ground Water SL = Sludge
WW = Waste Water CP = Chip Samples
A = Air ABS=Asbestos, PO=Pipe Openning

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3/5/2020

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 005

Page 2 of 2

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

Project Manager: ***Tim Kemper***

Send Report To: *Eddie Kalombo*
Phone/Fax Number: *415.987.0760*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
eddie.kalombo@aptim.com

Sampler's Name(s): EKK

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 115718
Delivery Date: 2/25/2020
Waybill Number: N/A
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Sample ID Number		Filter No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010	Flow Rate (L/min.)	Sample Volume (m^3)			
PE-ASB021720-B606UPWIND	9	CP822482	02/17/20	7:20	G	A	1	PCM			X			2.00	0.92			
PE-ASB021720-B606DOWNWIND	10	CP822520	02/17/20	7:31	G	A	1	PCM			X			2.00	0.918			
PE-ASB021820-B606UPWIND	11	CP822455	02/18/20	7:02	G	A	1	PCM			X			2.00	0.836			
PE-ASB021820-B606DOWNWIND	12	CP822477	02/18/20	7:11	G	A	1	PCM			X			2.00	0.852			
PE-ASB021920-B606UPWIND	13	CP822419	02/19/20	7:11	G	A	1	PCM			X			2.00	0.458			
PE-ASB021920-B606DOWNWIND	14	CP822459	02/19/20	7:19	G	A	1	PCM			X			2.00	0.462			
PE-ASB-BLANK-B606UPWIND	15	CP822409	02/19/20	7:06	G	A	1	PCM			X			2.00				
PE-ASB-BLANK-B606DOWNWIND	16	CP822480	02/19/20	7:19	G	A	1	PCM			X			2.00				
Temperature Blank																		X

Special Instructions:

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

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

Relinquished By: EDDIE KALOMBO Date: 2.25.20 Time: 1500
Received By: Date: 2/26/20 Time: 1035
Relinquished By: Date: Time:
Received By: Date: Time:

Method Codes
C = Composite G = Grab

Matrix Codes
DW = Drinking Water SO = Soil
GW = Ground Water SL = Sludge
WW = Waste Water *CP = Chip Samples*
A = Air ABS=Asbestos, PO=Pipe Openning

AIR MONITORING LOG

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

STATION COC# 005

SAMPLE NO. PE-ASB021120-B606UPWIND 2/11/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822410	2.0	2.0	2.0	2/11/20 07:16	2/11/20 14:26	430	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021120-B606DOWNWIND 2/11/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822430	2.0	2.0	2.0	2/11/20 07:28	2/11/20 14:41	433	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021220-B606UPWIND 2/12/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822467	2.0	2.0	2.0	2/12/20 07:01	2/12/20 12:30	329	0.7	Asbestos	2.00

SAMPLE NO. PE-ASB021220-B606DOWNWIND 2/12/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822476	2.0	2.0	2.0	2/12/20 07:08	2/12/20 12:46	338	0.7	Asbestos	2.00

SAMPLE NO. PE-ASB021320-B606UPWIND 2/13/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822427	2.0	2.0	2.0	2/13/20 07:15	2/13/20 12:30	315	0.6	Asbestos	2.00

SAMPLE NO. PE-ASB021320-B606DOWNWIND 2/13/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822465	2.0	2.0	2.0	2/13/20 07:38	2/13/20 12:44	306	0.6	Asbestos	2.00

SAMPLE NO. PE-ASB021420-B606UPWIND 2/14/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822487	2.0	2.0	2.0	2/14/20 07:24	2/14/20 15:10	466	0.9	Asbestos	2.00

SAMPLE NO. PE-ASB021420-B606DOWNWIND 2/14/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822519	2.0	2.0	2.0	2/14/20 07:18	2/14/20 15:00	462	0.9	Asbestos	2.00

SAMPLE NO. **PE-ASB021720-B606UPWIND** 2/17/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822482	2.0	2.0	2.0	2/17/20 07:20	2/17/20 15:00	460	0.9	Asbestos	2.00

SAMPLE NO. **PE-ASB021720-B606DOWNWIND** 2/17/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822520	2.0	2.0	2.0	2/17/20 07:31	2/17/20 15:10	459	0.9	Asbestos	2.00

SAMPLE NO. **PE-ASB021820-B606UPWIND** 2/18/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822455	2.0	2.0	2.0	2/18/20 07:02	2/18/20 14:00	418	0.8	Asbestos	2.00

SAMPLE NO. **PE-ASB021820-B606DOWNWIND** 2/18/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822477	2.0	2.0	2.0	2/18/20 07:11	2/18/20 14:17	426	0.9	Asbestos	2.00

SAMPLE NO. **PE-ASB021920-B606UPWIND** 2/19/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822419	2.0	2.0	2.0	2/19/20 07:11	2/19/20 11:00	229	0.5	Asbestos	2.00

SAMPLE NO. **PE-ASB021920-B606DOWNWIND** 2/19/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822459	2.0	2.0	2.0	2/19/20 07:19	2/19/20 11:10	231	0.5	Asbestos	2.00

SAMPLE NO. **PE-ASB-BLANK-B606UPWIND** 2/19/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822409	2.0	2.0	2.0	2/19/20 07:06	2/19/20 07:06	0	0.0	Asbestos	2.00

SAMPLE NO. **PE-ASB-BLANK-B606DOWNWIND** 2/19/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
CP822480	2.0	2.0	2.0	2/19/20 07:19	2/19/20 07:19	0	0.0	Asbestos	2.00

Login Sample Receipt Checklist

Client: Inya Inc

Job Number: 570-21828-1

Login Number: 21828
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

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

ANALYTICAL REPORT

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

Laboratory Job ID: 570-21834-1
Client Project/Site: HPNS - Parcel E / 500712

For:
Inya Inc
779 Leyland Dr
Diamond Bar, California 91765

Attn: Sabina Sudoko

Authorized for release by:
3/11/2020 5:58:30 PM

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

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Laboratory Job ID: 570-21834-1

Table of Contents

Definitions/Glossary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Qualifiers

Metals

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-21834-1

Job ID: 570-21834-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-21834-1

Comments
No additional comments.

Receipt
The samples were received on 2/26/2020 10:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 22.0º C.

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

Metals
Method 6010B: The matrix spike duplicate (MSD) recoveries for preparation batch 570-56245 and analytical batch 570-56343 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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.

Detection Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Client Sample ID: PE-TSP021120-B606UPWIND — Lab Sample ID: 570-21834-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Manganese	8.67		6.00		ug/Sample	1		6010B	Total/NA
Total Suspended Particulates	28.6		7.04		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: PE-TSP021120-B606DOWNWIND — Lab Sample ID: 570-21834-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	41.9		6.99		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: APTIMPM021120-B606UPWIND — Lab Sample ID: 570-21834-3

No Detections.

Client Sample ID: APTIMPM021120-B606DOWNWIND — Lab Sample ID: 570-21834-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Particulate Matter	21.7		6.99		ug/m3	1		PM10	Total/NA

Client Sample ID: PE-TSP021220-B606UPWIND — Lab Sample ID: 570-21834-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lead	12.9		12.0		ug/Sample	1		6010B	Total/NA
Total Suspended Particulates	23.0		9.20		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: PE-TSP021220-B606DOWNWIND — Lab Sample ID: 570-21834-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	31.6		8.95		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: APTIMPM021220-B606UPWIND — Lab Sample ID: 570-21834-7

No Detections.

Client Sample ID: APTIMPM021220-B606DOWNWIND — Lab Sample ID: 570-21834-8

No Detections.

Client Sample ID: PE-TSP021320-B606UPWIND — Lab Sample ID: 570-21834-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	18.3		9.61		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: PE-TSP021320-B606DOWNWIND — Lab Sample ID: 570-21834-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	14.8		9.89		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: APTIMPM021320-B606UPWIND — Lab Sample ID: 570-21834-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Particulate Matter	25.0		9.61		ug/m3	1		PM10	Total/NA

Client Sample ID: APTIMPM021320-B606DOWNWIND — Lab Sample ID: 570-21834-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Client Sample ID: PE-TSP021420-B606UPWIND — Lab Sample ID: 570-21834-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	9.74		6.49		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: PE-TSP021420-B606DOWNWIND — Lab Sample ID: 570-21834-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	7.64		6.55		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: APTIMPM021420-B606UPWIND — Lab Sample ID: 570-21834-15

No Detections.

Client Sample ID: APTIMPM021420-B606DOWNWIND — Lab Sample ID: 570-21834-16

No Detections.

Client Sample ID: PE-TSP021720-B606UPWIND — Lab Sample ID: 570-21834-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Manganese	84.3		6.00		ug/Sample	1		6010B	Total/NA
Total Suspended Particulates	13.4		6.58		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: PE-TSP021720-B606DOWNWIND — Lab Sample ID: 570-21834-18

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lead	12.9		12.0		ug/Sample	1		6010B	Total/NA
Total Suspended Particulates	7.03		6.59		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: APTIMPM021720-B606UPWIND — Lab Sample ID: 570-21834-19

No Detections.

Client Sample ID: APTIMPM021720-B606DOWNWIND — Lab Sample ID: 570-21834-20

No Detections.

Client Sample ID: PE-TSP021820-B606UPWIND — Lab Sample ID: 570-21834-21

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	7.72		7.24		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: PE-TSP021820-B606DOWNWIND — Lab Sample ID: 570-21834-22

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	11.8		7.10		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: APTIMPM021820-B606UPWIND — Lab Sample ID: 570-21834-23

No Detections.

Client Sample ID: APTIMPM021820-B606DOWNWIND — Lab Sample ID: 570-21834-24

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Particulate Matter	14.0		7.10		ug/m3	1		PM10	Total/NA

Client Sample ID: PE-TSP021920-B606UPWIND — Lab Sample ID: 570-21834-25

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Lead	12.7		12.0		ug/Sample	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Client Sample ID: PE-TSP021920-B606UPWIND (Continued) — Lab Sample ID: 570-21834-25

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Particulates	18.1		13.2		ug/m3	1		40CFR50 App B	Total/NA

Client Sample ID: PE-TSP021920-B606DOWNWIND — Lab Sample ID: 570-21834-26

No Detections.

Client Sample ID: APTIMPM021920-B606UPWIND — Lab Sample ID: 570-21834-27

No Detections.

Client Sample ID: APTIMPM021920-B606DOWNWIND — Lab Sample ID: 570-21834-28

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Client Sample Results

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Method: 6010B - Metals (ICP)

Client Sample ID: PE-TSP021120-B606UPWIND
Lab Sample ID: 570-21834-1
Date Collected: 02/11/20 07:16
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	F2	18.0		ug/Sample		03/10/20 11:30	03/10/20 15:36	1
Lead	ND	F2	12.0		ug/Sample		03/10/20 11:30	03/10/20 15:36	1
Manganese	**8.67**		6.00		ug/Sample		03/10/20 11:30	03/10/20 15:36	1

Client Sample ID: PE-TSP021120-B606DOWNWIND
Lab Sample ID: 570-21834-2
Date Collected: 02/11/20 07:28
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 16:48	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 16:48	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 16:48	1

Client Sample ID: PE-TSP021220-B606UPWIND
Lab Sample ID: 570-21834-5
Date Collected: 02/12/20 07:01
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 16:49	1
Lead	**12.9**		12.0		ug/Sample		03/10/20 11:30	03/10/20 16:49	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 16:49	1

Client Sample ID: PE-TSP021220-B606DOWNWIND
Lab Sample ID: 570-21834-6
Date Collected: 02/12/20 07:08
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 16:51	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 16:51	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 16:51	1

Client Sample ID: PE-TSP021320-B606UPWIND
Lab Sample ID: 570-21834-9
Date Collected: 02/13/20 07:15
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 16:53	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 16:53	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 16:53	1

Client Sample ID: PE-TSP021320-B606DOWNWIND
Lab Sample ID: 570-21834-10
Date Collected: 02/13/20 07:38
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:10	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:10	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:10	1

Client Sample ID: PE-TSP021420-B606UPWIND
Lab Sample ID: 570-21834-13
Date Collected: 02/14/20 07:24
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:12	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:12	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:12	1

Client Sample Results

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Method: 6010B - Metals (ICP)

Client Sample ID: PE-TSP021420-B606DOWNWIND
Lab Sample ID: 570-21834-14
Date Collected: 02/14/20 07:18
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:14	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:14	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:14	1

Client Sample ID: PE-TSP021720-B606UPWIND
Lab Sample ID: 570-21834-17
Date Collected: 02/17/20 07:20
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:16	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:16	1
Manganese	**84.3**		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:16	1

Client Sample ID: PE-TSP021720-B606DOWNWIND
Lab Sample ID: 570-21834-18
Date Collected: 02/17/20 07:31
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:18	1
Lead	**12.9**		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:18	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:18	1

Client Sample ID: PE-TSP021820-B606UPWIND
Lab Sample ID: 570-21834-21
Date Collected: 02/18/20 07:02
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:20	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:20	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:20	1

Client Sample ID: PE-TSP021820-B606DOWNWIND
Lab Sample ID: 570-21834-22
Date Collected: 02/18/20 07:11
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:22	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:22	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:22	1

Client Sample ID: PE-TSP021920-B606UPWIND
Lab Sample ID: 570-21834-25
Date Collected: 02/19/20 07:11
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:24	1
Lead	**12.7**		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:24	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:24	1

Client Sample ID: PE-TSP021920-B606DOWNWIND
Lab Sample ID: 570-21834-26
Date Collected: 02/19/20 07:19
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 17:26	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 17:26	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 17:26	1

Client Sample Results

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

General Chemistry

Client Sample ID: PE-TSP021120-B606UPWIND — **Lab Sample ID: 570-21834-1**
Date Collected: 02/11/20 07:16 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	28.6		7.04		ug/m3			03/10/20 09:56	1

Client Sample ID: PE-TSP021120-B606DOWNWIND — **Lab Sample ID: 570-21834-2**
Date Collected: 02/11/20 07:28 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	41.9		6.99		ug/m3			03/10/20 09:56	1

Client Sample ID: APTIMPM021120-B606UPWIND — **Lab Sample ID: 570-21834-3**
Date Collected: 02/11/20 07:16 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		7.04		ug/m3			03/02/20 10:14	1

Client Sample ID: APTIMPM021120-B606DOWNWIND — **Lab Sample ID: 570-21834-4**
Date Collected: 02/11/20 07:28 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	21.7		6.99		ug/m3			03/02/20 10:14	1

Client Sample ID: PE-TSP021220-B606UPWIND — **Lab Sample ID: 570-21834-5**
Date Collected: 02/12/20 07:01 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	23.0		9.20		ug/m3			03/10/20 09:56	1

Client Sample ID: PE-TSP021220-B606DOWNWIND — **Lab Sample ID: 570-21834-6**
Date Collected: 02/12/20 07:08 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	31.6		8.95		ug/m3			03/10/20 09:56	1

Client Sample ID: APTIMPM021220-B606UPWIND — **Lab Sample ID: 570-21834-7**
Date Collected: 02/12/20 07:01 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		9.20		ug/m3			03/02/20 10:14	1

Client Sample ID: APTIMPM021220-B606DOWNWIND — **Lab Sample ID: 570-21834-8**
Date Collected: 02/12/20 07:08 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		8.95		ug/m3			03/02/20 10:14	1

Client Sample ID: PE-TSP021320-B606UPWIND — **Lab Sample ID: 570-21834-9**
Date Collected: 02/13/20 07:15 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	18.3		9.61		ug/m3			03/10/20 09:56	1

Client Sample Results

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

General Chemistry

Client Sample ID: PE-TSP021320-B606DOWNWIND — **Lab Sample ID: 570-21834-10**
Date Collected: 02/13/20 07:38 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	14.8		9.89		ug/m3			03/10/20 09:56	1

Client Sample ID: APTIMPM021320-B606UPWIND — **Lab Sample ID: 570-21834-11**
Date Collected: 02/13/20 07:15 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	25.0		9.61		ug/m3			03/02/20 10:14	1

Client Sample ID: APTIMPM021320-B606DOWNWIND — **Lab Sample ID: 570-21834-12**
Date Collected: 02/13/20 07:38 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		9.89		ug/m3			03/02/20 10:14	1

Client Sample ID: PE-TSP021420-B606UPWIND — **Lab Sample ID: 570-21834-13**
Date Collected: 02/14/20 07:24 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	9.74		6.49		ug/m3			03/10/20 09:56	1

Client Sample ID: PE-TSP021420-B606DOWNWIND — **Lab Sample ID: 570-21834-14**
Date Collected: 02/14/20 07:18 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	7.64		6.55		ug/m3			03/10/20 09:56	1

Client Sample ID: APTIMPM021420-B606UPWIND — **Lab Sample ID: 570-21834-15**
Date Collected: 02/14/20 07:24 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		6.49		ug/m3			03/02/20 10:14	1

Client Sample ID: APTIMPM021420-B606DOWNWIND — **Lab Sample ID: 570-21834-16**
Date Collected: 02/14/20 07:18 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		6.55		ug/m3			03/02/20 10:14	1

Client Sample ID: PE-TSP021720-B606UPWIND — **Lab Sample ID: 570-21834-17**
Date Collected: 02/17/20 07:20 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	13.4		6.58		ug/m3			03/10/20 09:56	1

Client Sample ID: PE-TSP021720-B606DOWNWIND — **Lab Sample ID: 570-21834-18**
Date Collected: 02/17/20 07:31 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	7.03		6.59		ug/m3			03/10/20 09:56	1

Client Sample Results

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

General Chemistry

Client Sample ID: APTIMPM021720-B606UPWIND — **Lab Sample ID: 570-21834-19**
Date Collected: 02/17/20 07:20 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		6.58		ug/m3			03/02/20 10:14	1

Client Sample ID: APTIMPM021720-B606DOWNWIND — **Lab Sample ID: 570-21834-20**
Date Collected: 02/17/20 07:31 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		6.59		ug/m3			03/02/20 10:14	1

Client Sample ID: PE-TSP021820-B606UPWIND — **Lab Sample ID: 570-21834-21**
Date Collected: 02/18/20 07:02 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	**7.72**		7.24		ug/m3			03/10/20 09:56	1

Client Sample ID: PE-TSP021820-B606DOWNWIND — **Lab Sample ID: 570-21834-22**
Date Collected: 02/18/20 07:11 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	**11.8**		7.10		ug/m3			03/10/20 09:56	1

Client Sample ID: APTIMPM021820-B606UPWIND — **Lab Sample ID: 570-21834-23**
Date Collected: 02/18/20 07:02 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		7.24		ug/m3			03/02/20 10:14	1

Client Sample ID: APTIMPM021820-B606DOWNWIND — **Lab Sample ID: 570-21834-24**
Date Collected: 02/18/20 07:11 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	**14.0**		7.10		ug/m3			03/02/20 10:14	1

Client Sample ID: PE-TSP021920-B606UPWIND — **Lab Sample ID: 570-21834-25**
Date Collected: 02/19/20 07:11 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	**18.1**		13.2		ug/m3			03/10/20 09:56	1

Client Sample ID: PE-TSP021920-B606DOWNWIND — **Lab Sample ID: 570-21834-26**
Date Collected: 02/19/20 07:19 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	ND		13.1		ug/m3			03/10/20 09:56	1

Client Sample ID: APTIMPM021920-B606UPWIND — **Lab Sample ID: 570-21834-27**
Date Collected: 02/19/20 07:11 — **Matrix: Filter**
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		13.2		ug/m3			03/02/20 10:14	1

Client Sample Results

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

General Chemistry

Client Sample ID: APTIMPM021920-B606DOWNWIND
Lab Sample ID: 570-21834-28
Date Collected: 02/19/20 07:19
Matrix: Filter
Date Received: 02/26/20 10:35

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		13.1		ug/m3			03/02/20 10:19	1

QC Sample Results

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-21834-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-56245/1-A
Matrix: Air
Analysis Batch: 56343

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56245

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		18.0		ug/Sample		03/10/20 11:30	03/10/20 15:29	1
Lead	ND		12.0		ug/Sample		03/10/20 11:30	03/10/20 15:29	1
Manganese	ND		6.00		ug/Sample		03/10/20 11:30	03/10/20 15:29	1

Lab Sample ID: LCS 570-56245/2-A
Matrix: Air
Analysis Batch: 56343

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56245

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			600	608.4		ug/Sample		101	80 - 120		
Lead			600	667.6		ug/Sample		111	80 - 120		
Manganese			600	641.7		ug/Sample		107	80 - 120		

Lab Sample ID: LCSD 570-56245/3-A
Matrix: Air
Analysis Batch: 56343

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 56245

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			600	607.0		ug/Sample		101	80 - 120	0	20
Lead			600	664.9		ug/Sample		111	80 - 120	0	20
Manganese			600	631.1		ug/Sample		105	80 - 120	2	20

Lab Sample ID: 570-21834-1 MS
Matrix: Filter
Analysis Batch: 56343

Client Sample ID: PE-TSP021120-B606UPWIND
Prep Type: Total/NA
Prep Batch: 56245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	ND	F2	600	554.3		ug/Sample		92	75 - 125		
Lead	ND	F2	600	579.1		ug/Sample		95	75 - 125		
Manganese	8.67		600	658.7		ug/Sample		108	75 - 125		

Lab Sample ID: 570-21834-1 MSD
Matrix: Filter
Analysis Batch: 56343

Client Sample ID: PE-TSP021120-B606UPWIND
Prep Type: Total/NA
Prep Batch: 56245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND	F2	600	686.3	F2	ug/Sample		114	75 - 125	21	20
Lead	ND	F2	600	716.9	F2	ug/Sample		118	75 - 125	21	20
Manganese	8.67		600	669.5		ug/Sample		110	75 - 125	2	20

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

Lab Sample ID: MB 570-56228/1-A
Matrix: Air
Analysis Batch: 56233

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Particulates	ND		1.33		ug/m3			03/10/20 09:56	1

QC Sample Results

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-21834-1

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

Lab Sample ID: 570-21834-1 DU
Matrix: Filter
Analysis Batch: 56233

Client Sample ID: PE-TSP021120-B606UPWIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Suspended Particulates	28.6			28.62		ug/m3				0	25

Method: PM10 - Particulate Matter

Lab Sample ID: MB 570-54502/1
Matrix: Air
Analysis Batch: 54502

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Particulate Matter	ND		3000		ug/m3			03/02/20 10:14	1

Lab Sample ID: 570-21834-3 DU
Matrix: Filter
Analysis Batch: 54502

Client Sample ID: APTIMPM021120-B606UPWIND
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Particulate Matter	ND			ND		ug/m3				NC	25

QC Association Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Metals

Prep Batch: 56245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-21834-1	PE-TSP021120-B606UPWIND	Total/NA	Filter	3050B	
570-21834-2	PE-TSP021120-B606DOWNWIND	Total/NA	Filter	3050B	
570-21834-5	PE-TSP021220-B606UPWIND	Total/NA	Filter	3050B	
570-21834-6	PE-TSP021220-B606DOWNWIND	Total/NA	Filter	3050B	
570-21834-9	PE-TSP021320-B606UPWIND	Total/NA	Filter	3050B	
570-21834-10	PE-TSP021320-B606DOWNWIND	Total/NA	Filter	3050B	
570-21834-13	PE-TSP021420-B606UPWIND	Total/NA	Filter	3050B	
570-21834-14	PE-TSP021420-B606DOWNWIND	Total/NA	Filter	3050B	
570-21834-17	PE-TSP021720-B606UPWIND	Total/NA	Filter	3050B	
570-21834-18	PE-TSP021720-B606DOWNWIND	Total/NA	Filter	3050B	
570-21834-21	PE-TSP021820-B606UPWIND	Total/NA	Filter	3050B	
570-21834-22	PE-TSP021820-B606DOWNWIND	Total/NA	Filter	3050B	
570-21834-25	PE-TSP021920-B606UPWIND	Total/NA	Filter	3050B	
570-21834-26	PE-TSP021920-B606DOWNWIND	Total/NA	Filter	3050B	
MB 570-56245/1-A	Method Blank	Total/NA	Air	3050B	
LCS 570-56245/2-A	Lab Control Sample	Total/NA	Air	3050B	
LCSD 570-56245/3-A	Lab Control Sample Dup	Total/NA	Air	3050B	
570-21834-1 MS	PE-TSP021120-B606UPWIND	Total/NA	Filter	3050B	
570-21834-1 MSD	PE-TSP021120-B606UPWIND	Total/NA	Filter	3050B	

Analysis Batch: 56343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-21834-1	PE-TSP021120-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-2	PE-TSP021120-B606DOWNWIND	Total/NA	Filter	6010B	56245
570-21834-5	PE-TSP021220-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-6	PE-TSP021220-B606DOWNWIND	Total/NA	Filter	6010B	56245
570-21834-9	PE-TSP021320-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-10	PE-TSP021320-B606DOWNWIND	Total/NA	Filter	6010B	56245
570-21834-13	PE-TSP021420-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-14	PE-TSP021420-B606DOWNWIND	Total/NA	Filter	6010B	56245
570-21834-17	PE-TSP021720-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-18	PE-TSP021720-B606DOWNWIND	Total/NA	Filter	6010B	56245
570-21834-21	PE-TSP021820-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-22	PE-TSP021820-B606DOWNWIND	Total/NA	Filter	6010B	56245
570-21834-25	PE-TSP021920-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-26	PE-TSP021920-B606DOWNWIND	Total/NA	Filter	6010B	56245
MB 570-56245/1-A	Method Blank	Total/NA	Air	6010B	56245
LCS 570-56245/2-A	Lab Control Sample	Total/NA	Air	6010B	56245
LCSD 570-56245/3-A	Lab Control Sample Dup	Total/NA	Air	6010B	56245
570-21834-1 MS	PE-TSP021120-B606UPWIND	Total/NA	Filter	6010B	56245
570-21834-1 MSD	PE-TSP021120-B606UPWIND	Total/NA	Filter	6010B	56245

General Chemistry

Analysis Batch: 54502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-21834-3	APTIMPM021120-B606UPWIND	Total/NA	Filter	PM10	
570-21834-4	APTIMPM021120-B606DOWNWIND	Total/NA	Filter	PM10	
570-21834-7	APTIMPM021220-B606UPWIND	Total/NA	Filter	PM10	
570-21834-8	APTIMPM021220-B606DOWNWIND	Total/NA	Filter	PM10	
570-21834-11	APTIMPM021320-B606UPWIND	Total/NA	Filter	PM10	

QC Association Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

General Chemistry (Continued)

Analysis Batch: 54502 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-21834-12	APTIMPM021320-B606DOWNWIND	Total/NA	Filter	PM10	
570-21834-15	APTIMPM021420-B606UPWIND	Total/NA	Filter	PM10	
570-21834-16	APTIMPM021420-B606DOWNWIND	Total/NA	Filter	PM10	
570-21834-19	APTIMPM021720-B606UPWIND	Total/NA	Filter	PM10	
570-21834-20	APTIMPM021720-B606DOWNWIND	Total/NA	Filter	PM10	
570-21834-23	APTIMPM021820-B606UPWIND	Total/NA	Filter	PM10	
570-21834-24	APTIMPM021820-B606DOWNWIND	Total/NA	Filter	PM10	
570-21834-27	APTIMPM021920-B606UPWIND	Total/NA	Filter	PM10	
570-21834-28	APTIMPM021920-B606DOWNWIND	Total/NA	Filter	PM10	
MB 570-54502/1	Method Blank	Total/NA	Air	PM10	
570-21834-3 DU	APTIMPM021120-B606UPWIND	Total/NA	Filter	PM10	

Pre Prep Batch: 56228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-21834-1	PE-TSP021120-B606UPWIND	Total/NA	Filter	Filter to Air	
570-21834-2	PE-TSP021120-B606DOWNWIND	Total/NA	Filter	Filter to Air	
570-21834-5	PE-TSP021220-B606UPWIND	Total/NA	Filter	Filter to Air	
570-21834-6	PE-TSP021220-B606DOWNWIND	Total/NA	Filter	Filter to Air	
570-21834-9	PE-TSP021320-B606UPWIND	Total/NA	Filter	Filter to Air	
570-21834-10	PE-TSP021320-B606DOWNWIND	Total/NA	Filter	Filter to Air	
570-21834-13	PE-TSP021420-B606UPWIND	Total/NA	Filter	Filter to Air	
570-21834-14	PE-TSP021420-B606DOWNWIND	Total/NA	Filter	Filter to Air	
570-21834-17	PE-TSP021720-B606UPWIND	Total/NA	Filter	Filter to Air	
570-21834-18	PE-TSP021720-B606DOWNWIND	Total/NA	Filter	Filter to Air	
570-21834-21	PE-TSP021820-B606UPWIND	Total/NA	Filter	Filter to Air	
570-21834-22	PE-TSP021820-B606DOWNWIND	Total/NA	Filter	Filter to Air	
570-21834-25	PE-TSP021920-B606UPWIND	Total/NA	Filter	Filter to Air	
570-21834-26	PE-TSP021920-B606DOWNWIND	Total/NA	Filter	Filter to Air	
MB 570-56228/1-A	Method Blank	Total/NA	Air	Filter to Air	
570-21834-1 DU	PE-TSP021120-B606UPWIND	Total/NA	Filter	Filter to Air	

Analysis Batch: 56233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-21834-1	PE-TSP021120-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-2	PE-TSP021120-B606DOWNWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-5	PE-TSP021220-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-6	PE-TSP021220-B606DOWNWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-9	PE-TSP021320-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-10	PE-TSP021320-B606DOWNWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-13	PE-TSP021420-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-14	PE-TSP021420-B606DOWNWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-17	PE-TSP021720-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-18	PE-TSP021720-B606DOWNWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-21	PE-TSP021820-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-22	PE-TSP021820-B606DOWNWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-25	PE-TSP021920-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228
570-21834-26	PE-TSP021920-B606DOWNWIND	Total/NA	Filter	40CFR50 App B	56228
MB 570-56228/1-A	Method Blank	Total/NA	Air	40CFR50 App B	56228
570-21834-1 DU	PE-TSP021120-B606UPWIND	Total/NA	Filter	40CFR50 App B	56228

Lab Chronicle

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Client Sample ID: PE-TSP021120-B606UPWIND
Lab Sample ID: 570-21834-1
Date Collected: 02/11/20 07:16
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 15:36	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021120-B606DOWNWIND
Lab Sample ID: 570-21834-2
Date Collected: 02/11/20 07:28
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 16:48	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021120-B606UPWIND
Lab Sample ID: 570-21834-3
Date Collected: 02/11/20 07:16
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3344 g	4.3371 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021120-B606DOWNWIND
Lab Sample ID: 570-21834-4
Date Collected: 02/11/20 07:28
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3140 g	4.3233 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021220-B606UPWIND
Lab Sample ID: 570-21834-5
Date Collected: 02/12/20 07:01
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 16:49	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Client Sample ID: PE-TSP021220-B606DOWNWIND
Lab Sample ID: 570-21834-6
Date Collected: 02/12/20 07:08
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 16:51	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021220-B606UPWIND
Lab Sample ID: 570-21834-7
Date Collected: 02/12/20 07:01
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3128 g	4.3135 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021220-B606DOWNWIND
Lab Sample ID: 570-21834-8
Date Collected: 02/12/20 07:08
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.2857 g	4.2885 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021320-B606UPWIND
Lab Sample ID: 570-21834-9
Date Collected: 02/13/20 07:15
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 16:53	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021320-B606DOWNWIND
Lab Sample ID: 570-21834-10
Date Collected: 02/13/20 07:38
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:10	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-21834-1

Client Sample ID: APTIMPM021320-B606UPWIND
Lab Sample ID: 570-21834-11
Date Collected: 02/13/20 07:15
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3217 g	4.3295 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021320-B606DOWNWIND
Lab Sample ID: 570-21834-12
Date Collected: 02/13/20 07:38
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3352 g	4.3358 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021420-B606UPWIND
Lab Sample ID: 570-21834-13
Date Collected: 02/14/20 07:24
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:12	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021420-B606DOWNWIND
Lab Sample ID: 570-21834-14
Date Collected: 02/14/20 07:18
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:14	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021420-B606UPWIND
Lab Sample ID: 570-21834-15
Date Collected: 02/14/20 07:24
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3418 g	4.3423 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-21834-1

Client Sample ID: APTIMPM021420-B606DOWNWIND
Lab Sample ID: 570-21834-16
Date Collected: 02/14/20 07:18
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3407 g	4.3417 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021720-B606UPWIND
Lab Sample ID: 570-21834-17
Date Collected: 02/17/20 07:20
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:16	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021720-B606DOWNWIND
Lab Sample ID: 570-21834-18
Date Collected: 02/17/20 07:31
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:18	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021720-B606UPWIND
Lab Sample ID: 570-21834-19
Date Collected: 02/17/20 07:20
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3146 g	4.3156 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021720-B606DOWNWIND
Lab Sample ID: 570-21834-20
Date Collected: 02/17/20 07:31
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.3406 g	4.3426 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Inya Inc
Project/Site: HPNS - Parcel E / 500712

Job ID: 570-21834-1

Client Sample ID: PE-TSP021820-B606UPWIND
Date Collected: 02/18/20 07:02
Date Received: 02/26/20 10:35

Lab Sample ID: 570-21834-21
Matrix: Filter

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:20	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021820-B606DOWNWIND
Date Collected: 02/18/20 07:11
Date Received: 02/26/20 10:35

Lab Sample ID: 570-21834-22
Matrix: Filter

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:22	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021820-B606UPWIND
Date Collected: 02/18/20 07:02
Date Received: 02/26/20 10:35

Lab Sample ID: 570-21834-23
Matrix: Filter

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	4.4525 g	4.4544 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021820-B606DOWNWIND
Date Collected: 02/18/20 07:11
Date Received: 02/26/20 10:35

Lab Sample ID: 570-21834-24
Matrix: Filter

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	4.4527 g	4.4586 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: PE-TSP021920-B606UPWIND
Date Collected: 02/19/20 07:11
Date Received: 02/26/20 10:35

Lab Sample ID: 570-21834-25
Matrix: Filter

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:24	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Client Sample ID: PE-TSP021920-B606DOWNWIND
Lab Sample ID: 570-21834-26
Date Collected: 02/19/20 07:19
Matrix: Filter
Date Received: 02/26/20 10:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			.0833 Filter	100 mL	56245	03/10/20 11:30	X7RL	ECL 1
Total/NA	Analysis	6010B		1			56343	03/10/20 17:26	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Pre Prep	Filter to Air					56228	03/10/20 09:56	UWCT	ECL 2
Total/NA	Analysis	40CFR50 App B		1			56233	03/10/20 09:56	UWCT	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021920-B606UPWIND
Lab Sample ID: 570-21834-27
Date Collected: 02/19/20 07:11
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.4340 g	4.4350 g	54502	03/02/20 10:14	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: APTIMPM021920-B606DOWNWIND
Lab Sample ID: 570-21834-28
Date Collected: 02/19/20 07:19
Matrix: Filter
Date Received: 02/26/20 10:35

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	4.4337 g	4.4342 g	54502	03/02/20 10:19	CV9U	ECL 1
	Instrument ID: NOEQUIP									

Laboratory References:

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

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0781	03-13-20
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	ECL 1
40CFR50 App B	Suspended Particulate Matter in Ambient Air	EPA	ECL 1
PM10	Particulate Matter	40CFR50J	ECL 1
3050B	Preparation, Metals	SW846	ECL 1
Filter to Air	Filter to Air volume ratio	None	ECL 2

Protocol References:

40CFR50J = 40 CFR Part 50 Appendix J

EPA = US Environmental Protection Agency

None = None

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

Laboratory References:

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

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Inya Inc
Job ID: 570-21834-1
Project/Site: HPNS - Parcel E / 500712

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-21834-1	PE-TSP021120-B606UPWIND	Filter	02/11/20 07:16	02/26/20 10:35	
570-21834-2	PE-TSP021120-B606DOWNWIND	Filter	02/11/20 07:28	02/26/20 10:35	
570-21834-3	APTIMPM021120-B606UPWIND	Filter	02/11/20 07:16	02/26/20 10:35	
570-21834-4	APTIMPM021120-B606DOWNWIND	Filter	02/11/20 07:28	02/26/20 10:35	
570-21834-5	PE-TSP021220-B606UPWIND	Filter	02/12/20 07:01	02/26/20 10:35	
570-21834-6	PE-TSP021220-B606DOWNWIND	Filter	02/12/20 07:08	02/26/20 10:35	
570-21834-7	APTIMPM021220-B606UPWIND	Filter	02/12/20 07:01	02/26/20 10:35	
570-21834-8	APTIMPM021220-B606DOWNWIND	Filter	02/12/20 07:08	02/26/20 10:35	
570-21834-9	PE-TSP021320-B606UPWIND	Filter	02/13/20 07:15	02/26/20 10:35	
570-21834-10	PE-TSP021320-B606DOWNWIND	Filter	02/13/20 07:38	02/26/20 10:35	
570-21834-11	APTIMPM021320-B606UPWIND	Filter	02/13/20 07:15	02/26/20 10:35	
570-21834-12	APTIMPM021320-B606DOWNWIND	Filter	02/13/20 07:38	02/26/20 10:35	
570-21834-13	PE-TSP021420-B606UPWIND	Filter	02/14/20 07:24	02/26/20 10:35	
570-21834-14	PE-TSP021420-B606DOWNWIND	Filter	02/14/20 07:18	02/26/20 10:35	
570-21834-15	APTIMPM021420-B606UPWIND	Filter	02/14/20 07:24	02/26/20 10:35	
570-21834-16	APTIMPM021420-B606DOWNWIND	Filter	02/14/20 07:18	02/26/20 10:35	
570-21834-17	PE-TSP021720-B606UPWIND	Filter	02/17/20 07:20	02/26/20 10:35	
570-21834-18	PE-TSP021720-B606DOWNWIND	Filter	02/17/20 07:31	02/26/20 10:35	
570-21834-19	APTIMPM021720-B606UPWIND	Filter	02/17/20 07:20	02/26/20 10:35	
570-21834-20	APTIMPM021720-B606DOWNWIND	Filter	02/17/20 07:31	02/26/20 10:35	
570-21834-21	PE-TSP021820-B606UPWIND	Filter	02/18/20 07:02	02/26/20 10:35	
570-21834-22	PE-TSP021820-B606DOWNWIND	Filter	02/18/20 07:11	02/26/20 10:35	
570-21834-23	APTIMPM021820-B606UPWIND	Filter	02/18/20 07:02	02/26/20 10:35	
570-21834-24	APTIMPM021820-B606DOWNWIND	Filter	02/18/20 07:11	02/26/20 10:35	
570-21834-25	PE-TSP021920-B606UPWIND	Filter	02/19/20 07:11	02/26/20 10:35	
570-21834-26	PE-TSP021920-B606DOWNWIND	Filter	02/19/20 07:19	02/26/20 10:35	
570-21834-27	APTIMPM021920-B606UPWIND	Filter	02/19/20 07:11	02/26/20 10:35	
570-21834-28	APTIMPM021920-B606DOWNWIND	Filter	02/19/20 07:19	02/26/20 10:35	

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 005

Page 1 of 4

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

Project Manager: *Tim Kemper*

Send Report To: *Eddie Kalombo*
Phone/Fax Number: *415.987.0760*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
eddie.kalombo@aptim.com

Sampler's Name(s): EKK

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1155718
Delivery Date: 2/25/2020
Waybill Number: N/A
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

570-21834 Chain of Custody

Sample ID Number	Lot No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010	Flow Rate (L/min.)	Sample Volume (m^3)			
Analyses Requested																	
PE-TSP021120-B606UPWIND 1	699	02/11/20	7:16	G	A	1	8X10 EPM Whatman					X	991.2	426.216			
PE-TSP021120-B606DOWNWIND 2	700	02/11/20	7:28	G	A	1	8X10 EPM Whatman					X	991.2	429.19			
APTIMPM021120-B606UPWIND 3	Q0397109	02/11/20	7:16	G	A	1	8X10 EPM Whatman				X		991.2	426.216			
APTIMPM021120-B606DOWNWIND 4	Q0397110	02/11/20	7:28	G	A	1	8X10 EPM Whatman				X		991.20	429.19			
PE-TSP021220-B606UPWIND 5	701	02/12/20	7:01	G	A	1	8X10 EPM Whatman					X	991.20	326.105			
PE-TSP021220-B606DOWNWIND 6	702	02/12/20	7:08	G	A	1	8X10 EPM Whatman					X	991.20	335.026			
APTIMPM021220-B606UPWIND 7	Q0397111	02/12/20	7:01	G	A	1	8X10 EPM Whatman				X		991.20	326.105			
APTIMPM021220-B606DOWNWIND 8	Q0397112	02/12/20	7:08	G	A	1	8X10 EPM Whatman				X		991.20	335.026			
Temperature Blank																	x

Special Instructions:

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

Level Of QC Required:
I II III Project Specific:

Relinquished By: EDDIE KALOMBO Date: 2.25.20 Time: 1500
Received By: Date: 2/26/20 Time: 1035

Relinquished By: Date: Time:
Received By: Date: Time:

Method Codes
C = Composite G = Grab

Matrix Codes
DW = Drinking Water SO = Soil
GW = Ground Water SL = Sludge
WW = Waste Water CP = Chip Samples
A = Air ABS=Asbestos, PO=Pipe Openning

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3/11/2020

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 005

Page 2 **of** 4

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

Project Manager: ***Tim Kemper***

Send Report To: *Eddie Kalombo*
Phone/Fax Number: *415.987.0760*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
eddie.kalombo@aptim.com

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1155718
Delivery Date: 2/25/2020
Waybill Number: N/A
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Sampler's Name(s): EKK

Sample ID Number	Lot No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010	Flow Rate (L/min.)	Sample Volume (m^3)			
PE-TSP021320-B606UPWIND 9	703	02/13/20	7:15	G	A	1	8X10 EPM Whatman					X	991.2	312.228			
PE-TSP021320-B606DOWNWIND 10	704	02/13/20	7:38	G	A	1	8X10 EPM Whatman					X	991.2	303.307			
APTIMPM021320-B606UPWIND 11	Q0397113	02/13/20	7:15	G	A	1	8X10 EPM Whatman				X		991.2	312.228			
APTIMPM021320-B606DOWNWIND 12	Q0397114	02/13/20	7:38	G	A	1	8X10 EPM Whatman				X		991.2	303.307			
PE-TSP021420-B606UPWIND 13	705	02/14/20	7:24	G	A	1	8X10 EPM Whatman					X	991.2	461.899			
PE-TSP021420-B606DOWNWIND 14	706	02/14/20	7:18	G	A	1	8X10 EPM Whatman					X	991.20	457.934			
APTIMPM021420-B606UPWIND 15	Q0397115	02/14/20	7:24	G	A	1	8X10 EPM Whatman				X		991.20	461.899			
APTIMPM021420-B606DOWNWIND 16	Q0397116	02/14/20	7:18	G	A	1	8X10 EPM Whatman				X		991.20	457.934			
Temperature Blank																	X

Special Instructions:

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

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

Relinquished By: EDDIE KALOMBO Date: 2.25.20 Time: 1500
Received By: Date: 2/26/20 Time: 1035
Relinquished By: Date: Time:
Received By: Date: Time:

Method Codes
C = Composite G = Grab
Matrix Codes
DW = Drinking Water SO =Soil
GW = Ground Water SL = Sludge
WW = Waste Water CP = Chip Samples
A = Air ABS=Asbestos, PO=Pipe Openning

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 005

Page 3 of 4

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

Project Manager: *Tim Kemper*

Send Report To: *Eddie Kalombo*
Phone/Fax Number: *415.987.0760*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
eddie.kalombo@aptim.com

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1155718
Delivery Date: 2/25/2020
Waybill Number: N/A
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Sampler's Name(s): EKK

Sample ID Number	Lot No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010	Flow Rate (L/min.)	Sample Volume (m^3)			
PE-TSP021720-B606UPWIND 17	707	02/17/20	7:20	G	A	1	8X10 EPM Whatman					X	991.20	455.952			
PE-TSP021720-B606DOWNWIND 18	708	02/17/20	7:31	G	A	1	8X10 EPM Whatman					X	991.20	454.961			
APTIMPM021720-B606UPWIND 19	Q397117	02/17/20	7:20	G	A	1	8X10 EPM Whatman				X		991.20	455.952			
APTIMPM021720-B606DOWNWIND 20	Q0397118	02/17/20	7:31	G	A	1	8X10 EPM Whatman				X		991.20	454.961			
PE-TSP021820-B606UPWIND 21	709	02/18/20	7:02	G	A	1	8X10 EPM Whatman					X	991.20	414.322			
PE-TSP021820-B606DOWNWIND 22	710	02/18/20	7:11	G	A	1	8X10 EPM Whatman					X	991.20	422.251			
APTIMPM021820-B606UPWIND 23	Q0397119	02/18/20	7:02	G	A	1	8X10 EPM Whatman				X		991.20	414.322			
APTIMPM021820-B606DOWNWIND 24	Q0397120	02/18/20	7:11	G	A	1	8X10 EPM Whatman				X		991.20	422.251			
Temperature Blank																	X

Special Instructions:

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

Level Of QC Required:
I II III Project Specific:

Relinquished By: EDDIE KALOMBO Date: 2.25.20 Time: 1500
Received By: Date: 2/26/20 Time: 1035
Relinquished By: Date: Time:
Received By: Date: Time:

Method Codes
C = Composite G = Grab

Matrix Codes
DW = Drinking Water SO =Soil
GW = Ground Water SL = Sludge
WW = Waste Water CP = Chip Samples
A = Air ABS=Asbestos, PO=Pipe Openning

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3/11/2020

APTIM

CHAIN OF CUSTODY

Ref. Document # CTO 0024 - AIR 005

Page 4 **of** 4

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

Project Manager: *Tim Kemper*

Send Report To: *Eddie Kalombo*
Phone/Fax Number: *415.987.0760*
Address: *4005 Port Chicago Hwy*
City: *Concord, CA 94520*
eddie.kalombo@aptim.com

Project Number: 500712
Project Name: HPNS - Parcel E
Project Location: San Francisco, CA
Purchase Order #: 1155718
Delivery Date: 2/25/2020
Waybill Number: N/A
Lab Destination: Calscience
7440 Lincoln Way
Garden Grove CA 92841
Lab Contact: Terri Chang

Sampler's Name(s): EKK

Sample ID Number	Lot No.	Collection Information: Date	Time	Method	Matrix	# of containers	Container Type	Analyses Requested: PCB (EPA 8082 / TO-04)	PAH (EPA 8270-SIM / TO-13)	Asbestos (NIOSH 7400)	PM10 (40 CFR, Subpt J; BAAQMD Reg 6)	TSP, Mn, Pb, As (40 CFR 50 App B; NIOSH 7300/6010	Flow Rate (L/min.)	Sample Volume (m^3)			
PE-TSP021920-B606UPWIND 25	711	02/19/20	7:11	G	A	1	8X10 EPM Whatman					X	991.20	226.985			
PE-TSP021920-B606DOWNWIND 26	712	02/19/20	7:19	G	A	1	8X10 EPM Whatman					X	991.20	228.967			
APTIMPM021920-B606UPWIND 27	Q0397121	02/19/20	7:11	G	A	1	8X10 EPM Whatman				X		991.20	226.985			
APTIMPM021920-B606DOWNWIND 28	Q0397122	02/19/20	7:19	G	A	1	8X10 EPM Whatman				X		991.20	228.967			
Temperature Blank																	x

Special Instructions:

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

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

Relinquished By: EDDIE KALOMBO EKK	Date: 2.25.20	Received By:	Date: 2/26/20
	Time: 1500		Time: 1035
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:

Method Codes
C = Composite G = Grab

Matrix Codes
DW = Drinking Water SO = Soil
GW = Ground Water SL = Sludge
WW = Waste Water CP = Chip Samples
A = Air ABS=Asbestos, PO=Pipe Openning

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

STATION COC# 005

SAMPLE NO. PE-TSP021120-B606UPWIND 2/11/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
699	35.0	35.0	35.0	2/11/20 07:16	2/11/20 14:26	430	426.2	TSP	991.20

SAMPLE NO. PE-TSP021120-B606DOWNWIND 2/11/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
700	35.0	35.0	35.0	2/11/20 07:28	2/11/20 14:41	433	429.2	TSP	991.20

SAMPLE NO. APTIMPM021120-B606UPWIND 2/11/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397109	35.0	35.0	35.0	2/11/20 07:16	2/11/20 14:26	430	426.2	PM-10	991.20

SAMPLE NO. APTIMPM021120-B606DOWNWIND 2/11/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397110	35.0	35.0	35.0	2/11/20 07:28	2/11/20 14:41	433	429.2	PM-10	991.20

SAMPLE NO. PE-TSP021220-B606UPWIND 2/12/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
701	35.0	35.0	35.0	2/12/20 07:01	2/12/20 12:30	329	326.1	TSP	991.20

SAMPLE NO. PE-TSP021220-B606DOWNWIND 2/12/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
702	35.0	35.0	35.0	2/12/20 07:08	2/12/20 12:46	338	335.0	TSP	991.20

SAMPLE NO. APTIMPM021220-B606UPWIND 2/12/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397111	35.0	35.0	35.0	2/12/20 07:01	2/12/20 12:30	329	326.1	PM-10	991.20

SAMPLE NO. APTIMPM021220-B606DOWNWIND 2/12/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397112	35.0	35.0	35.0	2/12/20 07:08	2/12/20 12:46	338	335.0	PM-10	991.20

SAMPLE NO. PE-TSP021320-B606UPWIND 2/13/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
703	35.0	35.0	35.0	2/13/20 07:15	2/13/20 12:30	315	312.2	TSP	991.20

SAMPLE NO. **PE-TSP021320-B606DOWNWIND** 2/13/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
704	35.0	35.0	35.0	2/13/20 07:38	2/13/20 12:44	306	303.3	TSP	991.20

SAMPLE NO. **APTIMPM021320-B606UPWIND** 2/13/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397113	35.0	35.0	35.0	2/13/20 07:15	2/13/20 12:30	315	312.2	PM-10	991.20

SAMPLE NO. **APTIMPM021320-B606DOWNWIND** 2/13/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397114	35.0	35.0	35.0	2/13/20 07:38	2/13/20 12:44	306	303.3	PM-10	991.20

SAMPLE NO. **PE-TSP021420-B606UPWIND** 2/14/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
705	35.0	35.0	35.0	2/14/20 07:24	2/14/20 15:10	466	461.9	TSP	991.20

SAMPLE NO. **PE-TSP021420-B606DOWNWIND** 2/14/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
706	35.0	35.0	35.0	2/14/20 07:18	2/14/20 15:00	462	457.9	TSP	991.20

SAMPLE NO. **APTIMPM021420-B606UPWIND** 2/14/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397115	35.0	35.0	35.0	2/14/20 07:24	2/14/20 15:10	466	461.9	PM-10	991.20

SAMPLE NO. **APTIMPM021420-B606DOWNWIND** 2/14/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
Q0397116	35.0	35.0	35.0	2/14/20 07:18	2/14/20 15:00	462	457.9	PM-10	991.20

SAMPLE NO. **PE-TSP021720-B606UPWIND** 2/17/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
707	35.0	35.0	35.0	2/17/20 07:20	2/17/20 15:00	460	456.0	TSP	991.20

SAMPLE NO. **PE-TSP021720-B606DOWNWIND** 2/17/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
	START	STOP	AVERAGE	START	STOP				
708	35.0	35.0	35.0	2/17/20 07:31	2/17/20 15:10	459	455.0	TSP	991.20

SAMPLE NO. **APTIMPM021720-B606UPWIND** 2/17/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM)			RUNNING TIME (HRS)		TOTAL TIME	TOTAL VOL. (std	Analysis	Flow Rate

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
Q397117	35.0	35.0	35.0	2/17/20 07:20	2/17/20 15:00	460	456.0	PM-10	991.20

SAMPLE NO. **APTIMPM021720-B606DOWNWIND** 2/17/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
Q0397118	35.0	35.0	35.0	2/17/20 07:31	2/17/20 15:10	459	455.0	PM-10	991.20

SAMPLE NO. **PE-TSP021820-B606UPWIND** 2/18/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
709	35.0	35.0	35.0	2/18/20 07:02	2/18/20 14:00	418	414.3	TSP	991.20

SAMPLE NO. **PE-TSP021820-B606DOWNWIND** 2/18/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m)	Analysis	Flow Rate (L/min.)
710	35.0	35.0	35.0	2/18/20 07:11	2/18/20 14:17	426	422.3	TSP	991.20

SAMPLE NO. **APTIMPM021820-B606UPWIND** 2/18/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m)	Analysis	Flow Rate (L/min.)
Q0397119	35.0	35.0	35.0	2/18/20 07:02	2/18/20 14:00	418	414.3	PM-10	991.20

SAMPLE NO. **APTIMPM021820-B606DOWNWIND** 2/18/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m)	Analysis	Flow Rate (L/min.)
Q0397120	35.0	35.0	35.0	2/18/20 07:11	2/18/20 14:17	426	422.3	PM-10	991.20

SAMPLE NO. **PE-TSP021920-B606UPWIND** 2/19/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m^3)	Analysis	Flow Rate (L/min.)
711	35.0	35.0	35.0	2/19/20 07:11	2/19/20 11:00	229	227.0	TSP	991.20

SAMPLE NO. **PE-TSP021920-B606DOWNWIND** 2/19/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m)	Analysis	Flow Rate (L/min.)
712	35.0	35.0	35.0	2/19/20 07:19	2/19/20 11:10	231	229.0	TSP	991.20

SAMPLE NO. **APTIMPM021920-B606UPWIND** 2/19/2020 *Building 606 Upwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m)	Analysis	Flow Rate (L/min.)
Q0397121	35.0	35.0	35.0	2/19/20 07:11	2/19/20 11:00	229	227.0	PM-10	991.20

SAMPLE NO. **APTIMPM021920-B606DOWNWIND** 2/19/2020 *Building 606 Downwind*

LOT No.	FLOW RATE (CFM) START	FLOW RATE (CFM) STOP	FLOW RATE (CFM) AVERAGE	RUNNING TIME (HRS) START	RUNNING TIME (HRS) STOP	TOTAL TIME (min)	TOTAL VOL. (std m)	Analysis	Flow Rate (L/min.)
Q0397122	35.0	35.0	35.0	2/19/20 07:19	2/19/20 11:10	231	229.0	PM-10	991.20

Login Sample Receipt Checklist

Client: Inya Inc

Job Number: 570-21834-1
SDG Number:

Login Number: 21834
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

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