



Demolition Dust Measurement and Analysis

Avon Lake Power Station

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1. Executive Summary

Verdantas, LLC conducted limited Demolition Dust Measurements and Analysis in support of partial demolition of structures at the former Avon Lake Power Station. The site, which is approximately 40 acres in size, operated for approximately 100 years before decommissioning in 2021, and is subject to demolition and redevelopment.

Verdantas was engaged by the City of Avon Lake to conduct third-party industrial hygiene support with regard to air monitoring immediately prior, during, and following the scheduled control demolition. The scope of services included field observation, and data collection from a total of six (6) monitoring stations located near potential sensitive receptors utilizing particulate instruments and a weather station to collect particle measurements and weather information in real time, integrated air samples for polynuclear aromatic hydrocarbons (PAHs), metals, and asbestos fibers. A summary of methods is provided in Appendix-A, summary data tables are provided in Appendix-B, and analytical laboratory reports are provided in Appendix-C.

1.1 Field Observations and Data Collection

From December 17 through December 20, 2024, Verdantas personnel observed activity within the power plant property boundary, presumably in final preparation of the pending demolition. Verdantas did not observe activity that appeared unusual or out of place for the Avon Lake Power Station or the surrounding community.

Weather was observed to be unremarkable and as expected in mid-December. Winds were observed to be variable throughout the week with winds generally originating from the north and northwest blowing in a south and southeast direction as measured at the weather station placed in Miller Park located immediately west of the western perimeter of the power plant. Average wind speed ranged from 6.0 mph on December 17 to 2.3 mph on December 20, 2024. At the time of the implosion, wind was from the Northwest blowing south and southeast at approximately 9 mph.

1.1.1 Particulate Measurements

In total, Verdantas collected approximately 100,000 individual particle data points during the week. Mean particle concentration(s) were measured for particulate matter ranging in aerodynamic diameter from one micrometer up to 10 micrometers (PM_{1.0}, PM_{2.5}, PM_{4.0} and PM₁₀).

Daily PM_{2.5} average particulate concentration ranged from 0.005 mg/m³ up to 0.042 mg/m³. Daily PM_{2.5} average particulate concentrations were generally less than the National Ambient Air Quality Standard (NAAQS) 24-hour threshold concentration of 0.035 mg/m³. Daily PM_{2.5} particulate concentrations exceeded the NAAQS 24 hour threshold concentration on December 17 at the Westview Elementary monitoring station (0.42 mg/m³) and on December 18 at the Troy intermediate school (0.040 mg/m³). Passenger vehicle, school bus traffic and micro wind patterns around Westview Elementary and Troy Intermediate may explain, in whole or in part, measured increases in particulate concentrations at each respective monitoring station.

Daily PM₁₀ average particulate concentration ranged from 0.005 mg/m³ up to 0.043 mg/m³, which is less than the NAAQS 24-hour threshold concentration of 0.150 mg/m³.

Daily average particulate concentrations of PM_{4.0} and PM₁₀ were found to be considerably less than the United States Occupational Safety and Health Administration (US OSHA) Permissible Exposure Limit (PEL) for respirable and inhalable particulate matter, respectively.

1.1.2 Polynuclear Aromatic Hydrocarbons

Time integrated air samples for PAHs were collected on December 17, December 18, December 19 and December 20, 2024. Samples were submitted to an American Industrial Hygiene Association (AIHA) accredited analytical laboratory for analysis in accordance with National Institute for Occupational Safety and Health (NIOSH) modified analytical method 5606. The Laboratory reported results less than the detection limit for each analyte in every sample collected during the week.

1.1.3 Metals

Time integrated air samples for Metals were collected on December 17, December 18, December 19 and December 20, 2024. Samples were submitted to an AIHA accredited analytical laboratory for analysis in accordance with NIOSH modified analytical method 7300. The Laboratory reported results less than the detection limit for each analyte in every sample collected during the week.

1.1.4 Asbestos Fibers

Time integrated air samples for asbestos analysis were collected on December 17, December 18, December 19 and December 20, 2024. Samples were submitted to an Ohio accredited analytical laboratory for analysis of asbestos fibers in accordance with NIOSH modified analytical method 7400. Results were reported by the laboratory to be less than the detection limit in all samples and for all analytes.

1.2 Summary of Conclusions

Based upon observations and results of real time particle measurement, and benchtop laboratory analysis of integrated air samples, Verdantas offers the following:

- The public health impact to the surrounding communities within Avon Lake from potential particulate emission related to the demolition of December 19, 2024 should be considered minimal.
- The occupational health impact to workers at the Avon Lake Power Station and surrounding workplaces from potential particulate emission related to the demolition of December 19, 2024 should be considered minimal.
- Public health impact to surrounding communities within Avon Lake of PAHs, metals, and asbestos fibers related to the demolition of December 19, 2024 should be considered minimal.
- The occupational health impact to workers at the Avon Lake Power Station and surrounding workplaces of PAHs, metals, and asbestos fibers related to the demolition of December 19, 2024 should be considered minimal.

2. Field Data Collection

2.1 Perimeter Air Monitoring

Verdantas deployed six (6) particulate monitoring stations at secure locations in the community surrounding the Avon Lake Power Station. Individual monitoring stations in relation to the Avon Lake Power Station are depicted as yellow pins in Figure 1. Additional monitoring stations were positioned by ALERG around the perimeter of the Avon Lake Power Station and directly across the street to the south. ALERG monitoring stations are depicted in Figure 1 as green pins. Each Verdantas controlled station was given a unique location name. The Miller Park monitoring station was positioned approximately west of the Power Station; the Tower Assisted Living monitoring station was positioned approximately south of the Power Station, the Water Plant monitoring station was positioned east of the Power Station, the Private Resident monitoring station was positioned further east than the Water Plant monitoring station, the Westview Elementary monitoring station was positioned southeast of the Power Station, and the Troy Intermediate monitoring station was further to the southeast than the Westview monitoring station.. The weather station measuring wind speed and direction was co-located with the West monitoring station located in Miller Park.

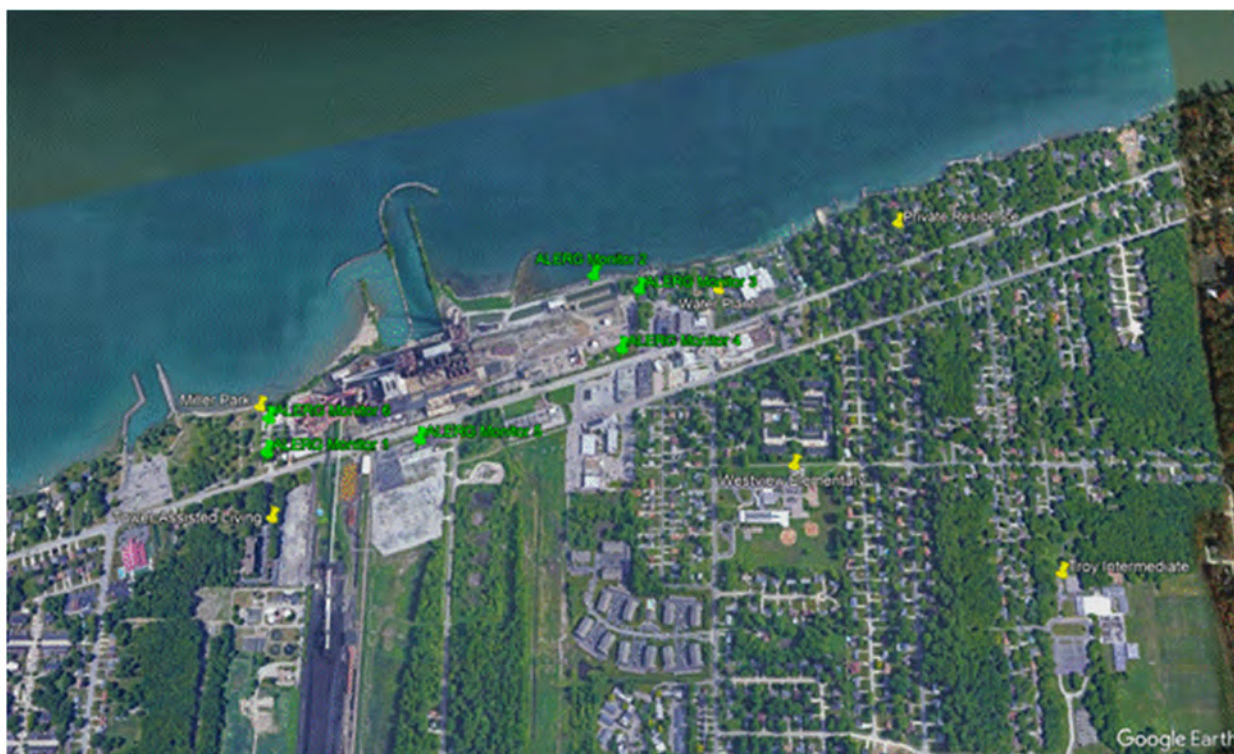


Figure 1 Locations of perimeter dust measurement and integrated air sample pumps. December 17 through December 20, 2024.

Integrated air samples for analysis of PAHs, metals, and asbestos fibers were collected each day in the same location as the particulate monitoring stations.

At the time of the controlled demolition at 5:35 AM on December 19, 2024, winds were observed to be blowing from the northwest to the south and southeast at an approximate wind speed of 9 mph, which is supported by weather station data at the time.

2.2 Real-Time Particulate Data

In total, Verdantas collected approximately 100,000 individual particle data points during the week. Mean particle concentration(s) were measured for particulate matter ranging in aerodynamic diameter from one micrometer up to 10 micrometers ($PM_{1.0}$, $PM_{2.5}$, $PM_{4.0}$ and PM_{10}). Particle results are summarized in Table 1 and Table 2.

Daily $PM_{2.5}$ average particulate concentration ranged from 0.005 mg/m^3 up to 0.042 mg/m^3 . Daily $PM_{2.5}$ average particulate concentrations were generally less than the National Ambient Air Quality Standard (NAAQS) 24-hour threshold concentration of 0.035 mg/m^3 . Daily $PM_{2.5}$ particulate concentrations exceeded the NAAQS 24 hour threshold concentration on December 17 at the Westview Elementary monitoring station (0.42 mg/m^3) and on December 18 at the Troy Intermediate school (0.040 mg/m^3). Passenger vehicle, school bus traffic and micro wind patterns around Westview Elementary and Troy Intermediate may explain, in whole or in part, measured increases in particulate concentrations at each respective monitoring station.

Maximum transient $PM_{2.5}$ particle concentrations ranged from 0.016 mg/m^3 on December 19 at the Tower Assisted Living Location, up to 0.201 mg/m^3 at the Water Plant on December 19.

Daily PM_{10} average particulate concentration ranged from 0.005 mg/m^3 up to 0.043 mg/m^3 , which is less than the NAAQS 24 hour threshold concentration of 0.150 mg/m^3 . Maximum transient PM_{10} concentration ranged from 0.016 mg/m^3 at the Tower Assisted Living station on December 19 up to 0.309 mg/m^3 collected from the Water Plant monitoring station on December 19, 2024.

Daily average particulate concentrations of $PM_{4.0}$ and PM_{10} were found to be considerably less than the US OSHA Permissible Exposure Limit (PEL) for respirable and inhalable particulate matter, respectively.

2.3 Polynuclear Aromatic Hydrocarbons

Integrated air samples were collocated next to the real-time particle measuring instrument at each aforementioned locations. Samples were collected during daytime business hours (07:00-17:00) in accordance with laboratory recommendations and prescribed analytical procedures. PAH results are summarized in Table 3 through Table 6. Samples were collected on the day prior to the implosion, during the implosion, and the day after the implosion.

Results were reported by the laboratory to be less than the limit of quantitation for all PAH analytes in all samples on each day. Results suggest background concentrations of PAHs are indistinguishable from PAH concentrations during and immediately after the implosion. The public and occupational health risk of PAH emissions from the power plant implosion is minimal.

2.4 Metals

Integrated air samples for metals analysis were collocated next to the real-time particle measuring instrument at each location. Samples were collected during daytime business hours (07:00-17:00) in accordance with laboratory recommendations and prescribed analytical procedures. Metals results are summarized in Table 7 through Table 10. Samples were collected on the day prior to the implosion, during the implosion, and the day after the implosion.

Results were reported by the laboratory to be less than the limit of quantitation for all metals analytes in all samples on each day. Results suggest background concentrations of metals are indistinguishable from metals concentrations during and immediately after the implosion. The public and occupational health risk of metals emissions from the power plant implosion is minimal.

Due an unforeseen challenge with sample collection, Verdantas samples were not analyzed for mercury particulate. However, air samples for mercury were collected and analyzed on behalf of ALERG. Verdantas reviewed the resulting data, which indicated results were less than the limit of quantitation for mercury.

2.5 Asbestos Fibers

Integrated air samples were collected for analysis of asbestos fibers were collocated next to the real-time particle measurement instrument at each location. Samples were collected during daytime business hours (07:00-17:00) in accordance with laboratory recommendations and prescribed analytical procedures. Asbestos results are summarized in Table 11.

3. Conclusions

Based upon observations and results of real time particle measurement, and benchtop laboratory analysis of integrated air samples, Verdantas offers the following:

- The demolition was conducted at 5:35 AM on December 19, 2024.
- In general, daily average particulate concentrations were less on the day of the demolition bent on the two days prior to the demolition, and the day following the demolition.
- Daily PM_{2.5} particle concentrations did not exceed the NAAQS 24 hour particle concentration threshold of 0.035 mg/m³ on most monitoring days.
- Daily PM_{2.5} particle concentrations were greater than the NAAQS 24-hour particle concentration threshold of 0.035 mg/m³ at the Westview Elementary monitoring station on December 17, and at the Troy Intermediate monitoring station on December 18.
- Daily PM₁₀ particle concentrations did not exceed the NAAQS 24 hour particle concentration threshold of 0.150 mg/m³ at any of the monitoring stations.
- The public health impact to the surrounding neighborhoods from potential particulate emission related to the demolition of December 19, 2024 should be considered minimal.
- The occupational health impact to workers at the Avon Lake Power Station and surrounding workplaces from potential particulate emission related to the demolition of December 19, 2024 should be considered minimal.
- Public health impact to surrounding neighborhoods of PAHs, metals, and asbestos fibers related to the demolition of December 19, 2024 should be considered minimal.

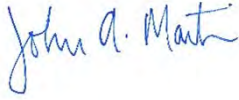
- The occupational health impact to workers at the Avon Lake Power Station and surrounding workplaces of PAHs, metals, and asbestos fibers related to the demolition of December 19, 2024 should be considered minimal.

4. References

USEPA. (2013). "National Ambient Air Quality Standards (NAAQS)." Retrieved March 20, 2013, from <http://www.epa.gov/air/criteria.html>.

5. Signatures Of Environmental Professionals

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Appendix A

Methods

Airborne Particulates

Background

Airborne particles and aerosols, collectively referred to as particulate matter or dust, is a complex mixture of solid particles and liquid droplets that originates from a wide variety of sources that include building construction and demolition, automobile exhaust, industrial emissions, office equipment, bio aerosols such as mold spores and skin cells, office furnishings, carpeting, drywall and other building materials.

Aerodynamic size is an important factor in particle penetration and deposition in the airway. PM_{10} refers to particulates that are 10 micrometers (μm) in diameter or smaller, and are composed of inhalable coarse particles. Particles smaller than 10 μm in diameter but greater than 2.5 μm may be classified as respirable and inhalable coarse particles, and $PM_{2.5}$ refers to particulates that are 2.5 μm in diameter and smaller, which are respirable particles that are able to penetrate deeper into the airway. Particulate matter is an important component in public and occupational health indoor and outdoor air contaminants that in high enough concentrations may contribute to a variety of health effects that may include eye irritation, airway irritation, exacerbate asthmatic conditions and COPD, and contribute to cardiovascular stress.

Methods

Airborne particle concentrations, as $PM_{1.0}$, $PM_{2.5}$, $P0_{4.0}$ and PM_{10} , were measured using a DustTrak DRX model 8553 desktop aerosol monitor(s). The DustTrak is a light scattering instrument that operates by drawing a continuous air sample in at 3.0 lpm. The particle size range the instrument is able to detect, and count is approximately 0.1 μm to 15 μm , with a resolution of 0.001 mg/m^3 .

Each DustTrak was positioned at a perimeter location within a weatherproof enclosure with the inlet approximately 6 feet from the ground surface. Each instrument was connected to a cloud based server to log a data point every minute.

Polynuclear Aromatic Hydrocarbons (PAH)

Modified NIOSH Analytical Method 5506

Background

Coal tars are byproducts of destructive distillation of coal to produce coke and/or gas. The compositions and property of coal tar depend primarily on process temperature and source of the feedstock. Coal tars are complex combinations of hydrocarbons, phenols, sulfur, and nitrogen compounds. Over 400 compounds have been identified as coal tar, and includes many compounds known as polyaromatic hydrocarbons (PAH).

Coal tars have many uses in industry and in consumer products that range from waterproofing agents, fuel for open hearth furnaces, roofing compounds, pavement, binders and fillers in surface coating formulations, and epoxy resin surface coatings. Consumer uses include nonprescription preparations and cleansing bars, creams, gels, lotions, ointments, and shampoos. Moreover, coal tar is also registered as an active ingredient in pesticides with the United States environment protection agency.

Methods

Personal air samples were collected using laboratory supplied precleaned calibrated personal sample pumps connected to an inline 37 mm polytetrafluoroethylene (PTFE) filter and XAD-2 sorbent tube with a nominal airflow of 2.0 L per minute (LPM). Sample pumps were calibrated prior to deployment and measured when sample collection was complete. Samples were packaged under chain of custody documentation and submitted to Galson Laboratories of East Syracuse, New York for analysis of PAHs in accordance with NIOSH modified analytical method 5506. Galson Laboratories is an American Industrial Hygiene Association (AIHA) accredited laboratory.

Metals

Background

Heavy metals are used in a variety of industrial and commercial processes can range from chromium and cobalt, to lead and manganese. Metals may be released into the environment from both natural and anthropogenic sources such as mining, smelting, and other industrial processes. The most common route of occupational exposure to metals is ventilation of fume and metal particulate, as well as ingestion and absorption.

Method

Air samples were collected using laboratory supplied personal air sampling pumps calibrated to a nominal airflow of 2.0 liters per minute (LPM) in accordance with the National Institute for Occupational Safety and Health (NIOSH) analytical method 7300. Prior to sampling, airflow through the sample train was measured using the laboratory supplied calibrated rotameter and recorded in the daily field notes.

The time the pump was activated and deactivated was recorded in the daily field notes. After sampling, the airflow of the sample pump was measured using the laboratory supplied and calibrated rotameter. Sample IDs, flow rates, total volume and sample time were recorded on to the laboratory supplied chain of custody (COC) document and submitted to Galson Laboratories for analysis in accordance with NIOSH method 7300.

Asbestos

Background

“Asbestos” is a generic name for a group of naturally occurring fibrous silicate materials that possess a number of useful properties for commercial applications. The most abundant form of asbestos used in commercial applications is quite a tieless best, which occurs naturally and fiber bundle lengths ranging from a few millimeters to several centimeters. Commercial applications include heat stability, thermal and electrical insulation, wear and friction products, and products designed for resistance to chemical and biological degradation.

The primary route of human exposure to asbestos is through inhalation and ingestion, as well as dermal contact. Asbestos may be released to the environment from both natural and anthropogenic sources and has been detected in indoor and outdoor air, soil, drinking water, food, and medicines. Because asbestos has been used in over 3000 commercial applications, the entire US population may potentially be exposed to some degree.

Asbestos is a known human carcinogen.

Method

Air samples were collected using laboratory supplied personal air sampling pumps calibrated to a nominal airflow of 2.0 LPM in accordance with the NIOSH analytical method 7400. Prior to sampling, airflow through the sample train was measured using the laboratory supplied calibrated rotameter and recorded in the daily field notes.

Appendix B

Tables

Table 1 Summary of mean daily particle concentration measured at public perimeter locations around the Avon Lake Power Station. Measurements collected December 17 through December 20, 2024.^{1,2}

Unit	Date	PM _{1.0}	PM _{2.5}	PM _{4.0}	PM ₁₀
MILLER PARK (WEST)	12/17/2024	0.011	0.011	0.011	0.012
MILLER PARK (WEST)	12/18/2024	0.029	0.030	0.030	0.030
MILLER PARK (WEST)	12/19/2024	0.007	0.007	0.007	0.008
MILLER PARK (WEST)	12/20/2024	0.018	0.018	0.019	0.019
TOWER ASSISTED LIVING (SOUTH)	12/17/2024	0.010	0.010	0.010	0.010
TOWER ASSISTED LIVING (SOUTH)	12/18/2024	0.024	0.024	0.025	0.025
TOWER ASSISTED LIVING (SOUTH)	12/19/2024	0.005	0.005	0.005	0.005
TOWER ASSISTED LIVING (SOUTH)	12/20/2024	0.014	0.014	0.014	0.014
WESTVIEW ELEMENTARY (SOUTHEAST)	12/17/2024	0.019	0.019	0.019	0.020
WESTVIEW ELEMENTARY (SOUTHEAST)	12/18/2024	0.042	0.042	0.042	0.043
WESTVIEW ELEMENTARY (SOUTHEAST)	12/19/2024	0.009	0.009	0.009	0.010
WESTVIEW ELEMENTARY (SOUTHEAST)	12/20/2024	0.025	0.025	0.025	0.025
PRIVATE RESIDENCE (EAST)	12/17/2024	0.025	0.025	0.026	0.026
PRIVATE RESIDENCE (EAST)	12/18/2024	0.031	0.031	0.031	0.031
PRIVATE RESIDENCE (EAST)	12/19/2024	0.008	0.008	0.008	0.008
PRIVATE RESIDENCE (EAST)	12/20/2024	0.020	0.020	0.020	0.020
TROY INTERMEDIATE (SOUTHEAST)	12/17/2024	0.014	0.014	0.014	0.014
TROY INTERMEDIATE (SOUTHEAST)	12/18/2024	0.040	0.040	0.040	0.040
TROY INTERMEDIATE (SOUTHEAST)	12/19/2024	0.009	0.009	0.009	0.009
TROY INTERMEDIATE (SOUTHEAST)	12/20/2024	0.023	0.023	0.023	0.023
WATER PLANT (EAST)	12/17/2024	0.012	0.012	0.012	0.012
WATER PLANT (EAST)	12/18/2024	0.033	0.033	0.033	0.033
WATER PLANT (EAST)	12/19/2024	0.008	0.008	0.008	0.008
WATER PLANT (EAST)	12/20/2024	0.021	0.021	0.021	0.021

¹ Unless otherwise noted, all results are reported in milligrams per cubic meter (mg/m³)

² Measurements were collected using a Dusttrak DRX (TSI, Inc., Shoreview, Minnesota)

Table 2 Summary of maximum transient particle concentrations measured at public perimeter locations around the Avon Lake Power Station. Measurements Collected December 17 through December 20, 2024.^{1,2}

Unit	Date	PM _{1.0}	PM _{2.5}	PM _{4.0}	PM ₁₀
MILLER PARK (WEST)	12/17/2024	0.023	0.023	0.026	0.048
MILLER PARK (WEST)	12/18/2024	0.039	0.039	0.040	0.045
MILLER PARK (WEST)	12/19/2024	0.036	0.036	0.040	0.063
MILLER PARK (WEST)	12/20/2024	0.049	0.049	0.049	0.049
TOWER ASSISTED LIVING (SOUTH)	12/17/2024	0.157	0.159	0.171	0.263
TOWER ASSISTED LIVING (SOUTH)	12/18/2024	0.035	0.035	0.035	0.035
TOWER ASSISTED LIVING (SOUTH)	12/19/2024	0.016	0.016	0.016	0.016
TOWER ASSISTED LIVING (SOUTH)	12/20/2024	0.025	0.025	0.026	0.028
WESTVIEW ELEMENTARY (SOUTHEAST)	12/17/2024	0.046	0.046	0.046	0.046
WESTVIEW ELEMENTARY (SOUTHEAST)	12/18/2024	0.060	0.060	0.060	0.061
WESTVIEW ELEMENTARY (SOUTHEAST)	12/19/2024	0.025	0.025	0.025	0.026
WESTVIEW ELEMENTARY (SOUTHEAST)	12/20/2024	0.035	0.035	0.035	0.035
PRIVATE RESIDENCE (EAST)	12/17/2024	0.068	0.068	0.068	0.068
PRIVATE RESIDENCE (EAST)	12/18/2024	0.051	0.053	0.060	0.086
PRIVATE RESIDENCE (EAST)	12/19/2024	0.023	0.023	0.023	0.023
PRIVATE RESIDENCE (EAST)	12/20/2024	0.028	0.029	0.029	0.029
TROY INTERMEDIATE (SOUTHEAST)	12/17/2024	0.023	0.023	0.023	0.030
TROY INTERMEDIATE (SOUTHEAST)	12/18/2024	0.056	0.057	0.057	0.057
TROY INTERMEDIATE (SOUTHEAST)	12/19/2024	0.025	0.025	0.025	0.025
TROY INTERMEDIATE (SOUTHEAST)	12/20/2024	0.031	0.032	0.032	0.032
WATER PLANT (EAST)	12/17/2024	0.022	0.022	0.023	0.024
WATER PLANT (EAST)	12/18/2024	0.046	0.046	0.046	0.046
WATER PLANT (EAST)	12/19/2024	0.141	0.201	0.260	0.309
WATER PLANT (EAST)	12/20/2024	0.037	0.037	0.037	0.037

¹ Unless otherwise noted, all results are reported in milligrams per cubic meter (mg/m³)

² Measurements were collected using a Dusttrak DRX (TSI, Inc., Shoreview, Minnesota)

Table 3 Summary Results of Polyaromatic Hydrocarbons. Samples Collected at the Avon Lake Power Station December 17, 2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
1-Methylnaphthalene	<0.000062	<0.000061	<0.000060	<0.000061	<0.000061	<0.000063
2-Methylnaphthalene	<0.000064	<0.000064	<0.000063	<0.000063	<0.000064	<0.000066
Acenaphthene	<0.000060	<0.000060	<0.000059	<0.000059	<0.000059	<0.000061
Acenaphthylene	<0.000057	<0.000057	<0.000056	<0.000056	<0.000056	<0.000058
Anthracene	<0.000055	<0.000055	<0.000054	<0.000054	<0.000054	<0.000056
Benzo(a)anthracene	<0.000047	<0.000047	<0.000046	<0.000046	<0.000046	<0.000048
Benzo(a)pyrene	<0.000050	<0.000050	<0.000049	<0.000049	<0.000049	<0.000051
Benzo(b)fluoranthene	<0.000046	<0.000046	<0.000045	<0.000045	<0.000045	<0.000047
Benzo(g,h,i)perylene	<0.000051	<0.000051	<0.000050	<0.000050	<0.000050	<0.000052
Benzo(k)fluoranthene	<0.000046	<0.000046	<0.000045	<0.000045	<0.000045	<0.000047
Chrysene	<0.000047	<0.000047	<0.000046	<0.000047	<0.000047	<0.000049
Dibenz(a,h)anthracene	<0.000042	<0.000041	<0.000041	<0.000041	<0.000041	<0.000043
Fluoranthene	<0.000050	<0.000049	<0.000048	<0.000049	<0.000049	<0.000051
Fluorene	<0.000056	<0.000056	<0.000054	<0.000055	<0.000055	<0.000057
Indeno(1,2,3-cd)pyrene	<0.000047	<0.000047	<0.000046	<0.000046	<0.000046	<0.000048
Naphthalene	<0.000071	<0.000070	<0.000069	<0.000069	<0.000070	<0.000072
Phenanthrene	<0.000054	<0.000054	<0.000053	<0.000053	<0.000054	<0.000056
Pyrene	<0.000050	<0.000050	<0.000049	<0.000049	<0.000050	<0.000051

¹ Unless otherwise noted, all results are reported in parts per million (ppm)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York.

Table 4 Summary Results of Polyaromatic Hydrocarbons. Samples Collected at the Avon Lake Power Station December 17, 2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
1-Methylnaphthalene	<0.000062	<0.000061	<0.000060	<0.000061	<0.000061	<0.000063
2-Methylnaphthalene	<0.000064	<0.000064	<0.000063	<0.000063	<0.000064	<0.000066
Acenaphthene	<0.000060	<0.000060	<0.000059	<0.000059	<0.000059	<0.000061
Acenaphthylene	<0.000057	<0.000057	<0.000056	<0.000056	<0.000056	<0.000058
Anthracene	<0.000055	<0.000055	<0.000054	<0.000054	<0.000054	<0.000056
Benzo(a)anthracene	<0.000047	<0.000047	<0.000046	<0.000046	<0.000046	<0.000048
Benzo(a)pyrene	<0.000050	<0.000050	<0.000049	<0.000049	<0.000049	<0.000051
Benzo(b)fluoranthene	<0.000046	<0.000046	<0.000045	<0.000045	<0.000045	<0.000047
Benzo(g,h,i)perylene	<0.000051	<0.000051	<0.000050	<0.000050	<0.000050	<0.000052
Benzo(k)fluoranthene	<0.000046	<0.000046	<0.000045	<0.000045	<0.000045	<0.000047
Chrysene	<0.000047	<0.000047	<0.000046	<0.000047	<0.000047	<0.000049
Dibenz(a,h)anthracene	<0.000042	<0.000041	<0.000041	<0.000041	<0.000041	<0.000043
Fluoranthene	<0.000050	<0.000049	<0.000048	<0.000049	<0.000049	<0.000051
Fluorene	<0.000056	<0.000056	<0.000054	<0.000055	<0.000055	<0.000057
Indeno(1,2,3-cd)pyrene	<0.000047	<0.000047	<0.000046	<0.000046	<0.000046	<0.000048
Naphthalene	<0.000071	<0.000070	<0.000069	<0.000069	<0.000070	<0.000072
Phenanthrene	<0.000054	<0.000054	<0.000053	<0.000053	<0.000054	<0.000056
Pyrene	<0.000050	<0.000050	<0.000049	<0.000049	<0.000050	<0.000051

¹ Unless otherwise noted, all results are reported in parts per million (ppm)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York.

Table 5 Summary Results of Polyaromatic Hydrocarbons. Samples Collected at the Avon Lake Power Station December 19, 2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
1-Methylnaphthalene	<0.000055	<0.000071	<0.000056	<0.000055	<0.000054	<0.000055
2-Methylnaphthalene	<0.000058	<0.000074	<0.000058	<0.000057	<0.000057	<0.000058
Acenaphthene	<0.000054	<0.000069	<0.000054	<0.000053	<0.000053	<0.000054
Acenaphthylene	<0.000051	<0.000065	<0.000052	<0.000051	<0.000050	<0.000051
Anthracene	<0.000049	<0.000063	<0.000050	<0.000049	<0.000048	<0.000049
Benzo(a)anthracene	<0.000042	<0.000053	<0.000042	<0.000042	<0.000041	<0.000042
Benzo(a)pyrene	<0.000045	<0.000057	<0.000045	<0.000044	<0.000044	<0.000045
Benzo(b)fluoranthene	<0.000041	<0.000052	<0.000042	<0.000041	<0.000040	<0.000041
Benzo(g,h,i)perylene	<0.000046	<0.000058	<0.000046	<0.000045	<0.000045	<0.000046
Benzo(k)fluoranthene	<0.000041	<0.000052	<0.000042	<0.000041	<0.000040	<0.000041
Chrysene	<0.000042	<0.000054	<0.000043	<0.000042	<0.000042	<0.000042
Dibenz(a,h)anthracene	<0.000037	<0.000048	<0.000038	<0.000037	<0.000037	<0.000037
Fluoranthene	<0.000044	<0.000057	<0.000045	<0.000044	<0.000044	<0.000044
Fluorene	<0.000050	<0.000064	<0.000051	<0.000049	<0.000049	<0.000050
Indeno(1,2,3-cd)pyrene	<0.000042	<0.000054	<0.000043	<0.000042	<0.000042	<0.000042
Naphthalene	<0.000063	<0.000081	<0.000064	<0.000063	<0.000062	<0.000063
Phenanthrene	<0.000049	<0.000062	<0.000049	<0.000048	<0.000048	<0.000049
Pyrene	<0.000045	<0.000057	<0.000046	<0.000045	<0.000044	<0.000045

¹ Unless otherwise noted, all results are reported in parts per million (ppm)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York.

Table 6 Summary Results of Polyaromatic Hydrocarbons. Samples Collected at the Avon Lake Power Station December 20, 2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
1-Methylnaphthalene	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012
2-Methylnaphthalene	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012
Acenaphthene	<0.00012	<0.00012	<0.00012	<0.00011	<0.00012	<0.00012
Acenaphthylene	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
Anthracene	<0.00011	<0.00011	<0.00011	<0.00010	<0.00011	<0.00011
Benzo(a)anthracene	<0.000091	<0.000091	<0.000090	<0.000089	<0.000090	<0.000090
Benzo(a)pyrene	<0.000097	<0.000097	<0.000097	<0.000095	<0.000096	<0.000096
Benzo(b)fluoranthene	<0.000089	<0.000089	<0.000089	<0.000087	<0.000088	<0.000088
Benzo(g,h,i)perylene	<0.000099	<0.000099	<0.000099	<0.000097	<0.000098	<0.000098
Benzo(k)fluoranthene	<0.000089	<0.000089	<0.000089	<0.000087	<0.000088	<0.000088
Chrysene	<0.000092	<0.000092	<0.000092	<0.000090	<0.000091	<0.000091
Dibenz(a,h)anthracene	<0.000081	<0.000081	<0.000080	<0.000079	<0.000080	<0.000080
Fluoranthene	<0.000096	<0.000096	<0.000096	<0.000095	<0.000095	<0.000095
Fluorene	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
Indeno(1,2,3-cd)pyrene	<0.000091	<0.000091	<0.000091	<0.000090	<0.000091	<0.000091
Naphthalene	<0.00014	<0.00014	<0.00014	<0.00013	<0.00014	<0.00014
Phenanthrene	<0.00011	<0.00011	<0.00010	<0.00010	<0.00010	<0.00010
Pyrene	<0.000097	<0.000097	<0.000097	<0.000096	<0.000097	<0.000097

¹ Unless otherwise noted, all results are reported in parts per million (ppm)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York. It's

Table 7 Summary of airborne samples collected for analysis of metals. Samples collected on 12-17-2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
Aluminum	<0.049	<0.011	<0.011	<0.013	<0.013	<0.014
Antimony	<0.0059	<0.0013	<0.0013	<0.0015	<0.0016	<0.0017
Arsenic	<0.0020	<0.00043	<0.00044	<0.00050	<0.00053	<0.00056
Barium	<0.0020	<0.00043	<0.00044	<0.00050	<0.00053	<0.00056
Beryllium	<0.000098	<0.000022	<0.000022	<0.000025	<0.000027	<0.000028
Cadmium	<0.00098	<0.00022	<0.00022	<0.00025	<0.00027	<0.00028
Calcium	<0.20	<0.043	<0.044	<0.050	<0.053	<0.056
Chromium	<0.049	<0.011	<0.011	<0.013	<0.013	<0.014
Cobalt	<0.0029	<0.00065	<0.00066	<0.00076	<0.00080	<0.00083
Copper	<0.0020	<0.00043	<0.00044	<0.00050	<0.00053	<0.00056
Iron Oxide	<0.070	<0.015	<0.016	<0.018	<0.019	<0.020
Lead	<0.0024	<0.00054	<0.00055	<0.00063	<0.00067	<0.00069
Magnesium	<0.049	<0.011	<0.011	<0.013	<0.013	<0.014
Manganese	<0.00098	<0.00022	<0.00022	<0.00025	<0.00027	<0.00028
Nickel	<0.0020	<0.00043	<0.00044	<0.00050	<0.00053	<0.00056
Potassium	<0.098	<0.022	<0.022	<0.025	<0.027	<0.028
Selenium	<0.015	<0.0033	<0.0033	<0.0038	<0.0040	<0.0042
Sodium	<0.49	<0.11	<0.11	<0.13	<0.13	<0.14
Thallium	<0.0098	<0.0022	<0.0022	<0.0025	<0.0027	<0.0028
Vanadium	<0.0029	<0.00065	<0.00066	<0.00076	<0.00080	<0.00083
Zinc Oxide	<0.030	<0.0067	<0.0068	<0.0078	<0.0083	<0.0086

¹ Unless otherwise noted, all results are reported in milligrams per cubic meter (mg/m³)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York.

Table 8 Summary of airborne samples collected for analysis of metals. Samples collected on 12-18-2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
Aluminum	<0.0079	<0.0083	<0.0083	<0.0085	<0.0084	<0.0085
Antimony	<0.00095	<0.00099	<0.0010	<0.0010	<0.0010	<0.0010
Arsenic	<0.00032	<0.00033	<0.00033	<0.00034	<0.00034	<0.00034
Barium	<0.00032	<0.00033	<0.00033	<0.00034	<0.00034	<0.00034
Beryllium	<0.000016	<0.000017	<0.000017	<0.000017	<0.000017	<0.000017
Cadmium	<0.00016	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017
Calcium	<0.032	<0.033	<0.033	<0.034	<0.034	<0.034
Chromium	<0.0079	<0.0083	<0.0083	<0.0085	<0.0084	<0.0085
Cobalt	<0.00048	<0.00050	<0.00050	<0.00051	<0.00050	<0.00051
Copper	<0.00032	<0.00033	<0.00033	<0.00034	<0.00034	<0.00034
Iron Oxide	<0.011	<0.012	<0.012	<0.012	<0.012	<0.012
Lead	<0.00040	<0.00041	<0.00042	<0.00042	<0.00042	<0.00043
Magnesium	<0.0079	<0.0083	<0.0083	<0.0085	<0.0084	<0.0085
Manganese	<0.00016	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017
Nickel	<0.00032	<0.00033	<0.00033	<0.00034	<0.00034	<0.00034
Potassium	<0.016	<0.017	<0.017	<0.017	<0.017	<0.017
Selenium	<0.0024	<0.0025	<0.0025	<0.0025	<0.0025	<0.0026
Sodium	<0.079	<0.083	<0.083	<0.085	<0.084	<0.085
Thallium	<0.0016	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Vanadium	<0.00048	<0.00050	<0.00050	<0.00051	<0.00050	<0.00051
Zinc Oxide	<0.0049	<0.0052	<0.0052	<0.0053	<0.0052	<0.0053

¹ Unless otherwise noted, all results are reported in milligrams per cubic meter (mg/m³)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York.

Table 9 Summary of airborne samples collected for analysis of metals. Samples collected on 12-19-2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
Aluminum	<0.0076	<0.0075	<0.0076	<0.0077	<0.0076	<0.0078
Antimony	<0.00092	<0.00091	<0.00092	<0.00092	<0.00091	<0.00094
Arsenic	<0.00031	<0.00030	<0.00031	<0.00031	<0.00030	<0.00031
Barium	<0.00031	<0.00030	<0.00031	<0.00031	<0.00030	<0.00031
Beryllium	<0.000015	<0.000015	<0.000015	<0.000015	<0.000015	<0.000016
Cadmium	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	<0.00016
Calcium	<0.031	<0.030	<0.031	<0.031	<0.030	<0.031
Chromium	<0.0076	<0.0075	<0.0076	<0.0077	<0.0076	<0.0078
Cobalt	<0.00046	<0.00045	<0.00046	<0.00046	<0.00046	<0.00047
Copper	<0.00031	<0.00030	<0.00031	<0.00031	<0.00030	<0.00031
Iron Oxide	<0.011	<0.011	<0.011	<0.011	<0.011	<0.011
Lead	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00039
Magnesium	<0.0076	<0.0075	<0.0076	<0.0077	<0.0076	<0.0078
Manganese	<0.00015	<0.00015	<0.00015	<0.00015	<0.00015	<0.00016
Nickel	<0.00031	<0.00030	<0.00031	<0.00031	<0.00030	<0.00031
Potassium	<0.015	<0.015	<0.015	<0.015	<0.015	<0.016
Selenium	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023	<0.0023
Sodium	<0.076	<0.075	<0.076	<0.077	<0.076	<0.078
Thallium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0016
Vanadium	<0.00046	<0.00045	<0.00046	<0.00046	<0.00046	<0.00047
Zinc Oxide	<0.0048	<0.0047	<0.0048	<0.0048	<0.0047	<0.0049

¹ Unless otherwise noted, all results are reported in milligrams per cubic meter (mg/m³)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York.

Table 10 Summary of airborne samples collected for analysis of metals. Samples collected on 12-20-2024.^{1,2}

ANALYTES	MILLER PARK (WEST)	TOWER ASSISTED LIVING (SOUTH)	WATER PLANT (EAST)	PRIVATE RESIDENCE (EAST)	WESTVIEW ELEMENTARY (SOUTHEAST)	TROY INTERMEDIATE (SOUTHEAST)
Aluminum	<0.017	<0.018	<0.016	<0.016	<0.016	<0.016
Antimony	<0.0020	<0.0021	<0.0019	<0.0019	<0.0020	<0.0020
Arsenic	<0.00066	<0.00071	<0.00064	<0.00065	<0.00066	<0.00066
Barium	<0.00066	<0.00071	<0.00064	<0.00065	<0.00066	<0.00066
Beryllium	<0.000033	<0.000036	<0.000032	<0.000032	<0.000033	<0.000033
Cadmium	<0.00033	<0.00036	<0.00032	<0.00032	<0.00033	<0.00033
Calcium	<0.066	<0.071	<0.064	<0.065	<0.066	<0.066
Chromium	<0.017	<0.018	<0.016	<0.016	<0.016	<0.016
Cobalt	<0.00099	<0.0011	<0.00096	<0.00097	<0.00098	<0.00098
Copper	<0.00066	<0.00071	<0.00064	<0.00065	<0.00066	<0.00066
Iron Oxide	<0.024	<0.026	<0.023	<0.023	<0.023	<0.023
Lead	<0.00083	<0.00089	<0.00080	<0.00081	<0.00082	<0.00082
Magnesium	<0.017	<0.018	<0.016	<0.016	<0.016	<0.016
Manganese	<0.00033	<0.00036	<0.00032	<0.00032	<0.00033	<0.00033
Nickel	<0.00066	<0.00071	<0.00064	<0.00065	<0.00066	<0.00066
Potassium	<0.033	<0.036	<0.032	<0.032	<0.033	<0.033
Selenium	<0.0050	<0.0054	<0.0048	<0.0049	<0.0049	<0.0049
Sodium	<0.17	<0.18	<0.16	<0.16	<0.16	<0.16
Thallium	<0.0033	<0.0036	<0.0032	<0.0032	<0.0033	<0.0033
Vanadium	<0.00099	<0.0011	<0.00096	<0.00097	<0.00098	<0.00098
Zinc Oxide	<0.010	<0.011	<0.010	<0.010	<0.010	<0.010

¹ Unless otherwise noted, all results are reported in milligrams per cubic meter (mg/m³)

² Samples analyzed and reported by Galson Laboratories, Inc. of East Syracuse, New York.

Table 11 Summary of airborne samples collected for analysis of asbestos fibers. Samples collected December 17 through December 20, 2024.^{1,2}

	12/17/2024	12/18/2024	12/19/2024	12/19/2024	12/20/2024
MILLER PARK (WEST)	<0.003	<0.003	<0.007	<0.005	<0.006
TOWER ASSISTED LIVING (SOUTH)	<0.004	<0.003	<0.007	<0.005	<0.006
WATER PLANT (EAST)	<0.004	<0.003	<0.007	<0.005	<0.006
PRIVATE RESIDENCE (EAST)	<0.005	<0.003	<0.007	<0.005	<0.006
WESTVIEW ELEMENTARY (SOUTHEAST)	<0.005	<0.003	<0.007	<0.004	<0.006
TROY INTERMEDIATE (SOUTHEAST)	<0.005	<0.005	<0.005	<0.004	<0.005
¹ Unless otherwise noted, all results are reported in fibers per cubic centimeter (f/cc).					
² Samples analyzed and reported by Eurofins Laboratories, Inc. of Fort Mill, South Carolina.					

Appendix C

Analytical Laboratory Reports



John Martin
Verdantas
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03101

January 07, 2025

Account# 28667

Login# L647453

Dear John Martin:

Enclosed are the analytical results for the samples received by our laboratory on December 28, 2024. All samples on the chain of custody were received in good condition unless otherwise noted. Any additional observations will be noted on the chain of custody.

Please contact client services at (888) 432-5227 if you would like any additional information regarding this report. Thank you for using SGS Galson.

Sincerely,

SGS Galson

A handwritten signature in black ink that reads "Lisa Swab". The signature is written in a cursive, flowing style.

Lisa Swab
Laboratory Director

Enclosure(s)

Terms and Conditions & General Disclaimers

- This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.
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Analytical Disclaimers

- Unless otherwise noted within the report, all quality control results associated with the samples were within established control limits or did not impact reported results.
- Note: The findings recorded within this report were drawn from analysis of the sample(s) provided to the laboratory by the Client (or a third party acting at the Client's direction). The laboratory does not have control over the sampling process, including but not limited to the use of field equipment and collection media, as well as the sampling duration, collection volume or any other collection parameter used by the Client. The findings herein constitute no warranty of the sample's representativeness of any sampled environment, and strictly relate to the samples as they were presented to the laboratory. For recommended sampling collection parameters, please refer to the Sampling and Analysis Guide at www.sgsgalson.com.
- Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded and therefore, if carried through the calculations, may not yield an identical final result to the one reported.
- The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).
- Unless otherwise noted within the report, results have not been blank corrected for any field blank or method blank data.

Accreditations SGS Galson holds a variety of accreditations and recognitions. Our quality management system conforms with the requirements of ISO/IEC 17025. Where applicable, samples may also be analyzed in accordance with the requirements of ELAP, NELAC, or LELAP under one of the state accrediting bodies listed below. Current Scopes of Accreditation can be viewed at <http://www.sgsgalson.com> in the accreditations section of the "About" page. To determine if the analyte tested falls under our scope of accreditation, please visit our website or call Client Services at (888) 432-5227.

National/International	Accreditation/Recognition	Lab ID#	Program/Sector
AIHA-LAP, LLC - IHLAP, ELLAP, EMLAP	ISO/IEC 17025 and USEPA NLLAP	Lab ID 100324	Industrial Hygiene, Environmental Lead, Environmental Microbiology

State	Accreditation/Recognition	Lab ID#	Program/Sector
New York (NYSDOH)	ELAP and NELAC (TNI)	Lab ID: 11626	Air Analysis, Solid and Hazardous Waste
Louisiana (LDEQ)	LELAP	Lab ID: 04083	Air Analysis, Solid Chemical Materials

Legend

< - Less than	mg - Milligrams	MDL - Method Detection Limit	ppb - Parts per Billion
> - Greater than	ug - Micrograms	NA - Not Applicable	ppm - Parts per Million
l - Liters	m3 - Cubic Meters	NS - Not Specified	ppbv - ppb Volume
LOQ - Limit of Quantitation	kg - Kilograms	ND - Not Detected	ppmv - ppm Volume
ft2 - Square Feet	cm2 - Square Centimeters	in2 - Square Inches	ng - Nanograms



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453

Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-1:AA121724 Lab ID : L647453-25 Air Volume : 153.75 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.049	mg/m3
Antimony	0.90	<0.90	<0.0059	mg/m3
Arsenic	0.30	<0.30	<0.0020	mg/m3
Barium	0.30	<0.30	<0.0020	mg/m3
Beryllium	0.015	<0.015	<0.000098	mg/m3
Cadmium	0.15	<0.15	<0.00098	mg/m3
Calcium	30.	<30	<0.20	mg/m3
Chromium	7.5	<7.5	<0.049	mg/m3
Cobalt	0.45	<0.45	<0.0029	mg/m3
Copper	0.30	<0.30	<0.0020	mg/m3
Iron Oxide	11.	<11	<0.070	mg/m3
Lead	0.38	<0.38	<0.0024	mg/m3
Magnesium	7.5	<7.5	<0.049	mg/m3
Manganese	0.15	<0.15	<0.00098	mg/m3
Nickel	0.30	<0.30	<0.0020	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Client : Verdantas
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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-1:AA121724 Lab ID : L647453-25 Air Volume : 153.75 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.098	mg/m3
Selenium	2.3	<2.3	<0.015	mg/m3
Sodium	75.	<75	<0.49	mg/m3
Thallium	1.5	<1.5	<0.0098	mg/m3
Vanadium	0.45	<0.45	<0.0029	mg/m3
Zinc Oxide	4.7	<4.7	<0.030	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-2:AA121724 Lab ID : L647453-26 Air Volume : 692 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.011	mg/m3
Antimony	0.90	<0.90	<0.0013	mg/m3
Arsenic	0.30	<0.30	<0.00043	mg/m3
Barium	0.30	<0.30	<0.00043	mg/m3
Beryllium	0.015	<0.015	<0.000022	mg/m3
Cadmium	0.15	<0.15	<0.00022	mg/m3
Calcium	30.	<30	<0.043	mg/m3
Chromium	7.5	<7.5	<0.011	mg/m3
Cobalt	0.45	<0.45	<0.00065	mg/m3
Copper	0.30	<0.30	<0.00043	mg/m3
Iron Oxide	11.	<11	<0.015	mg/m3
Lead	0.38	<0.38	<0.00054	mg/m3
Magnesium	7.5	<7.5	<0.011	mg/m3
Manganese	0.15	<0.15	<0.00022	mg/m3
Nickel	0.30	<0.30	<0.00043	mg/m3

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Account No.: 28667
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Report ID : 1468512

Client ID : ALP001:AS-2:AA121724 Lab ID : L647453-26 Air Volume : 692 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.022	mg/m3
Selenium	2.3	<2.3	<0.0033	mg/m3
Sodium	75.	<75	<0.11	mg/m3
Thallium	1.5	<1.5	<0.0022	mg/m3
Vanadium	0.45	<0.45	<0.00065	mg/m3
Zinc Oxide	4.7	<4.7	<0.0067	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-3:AA121724 Lab ID : L647453-27 Air Volume : 682 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.011	mg/m3
Antimony	0.90	<0.90	<0.0013	mg/m3
Arsenic	0.30	<0.30	<0.00044	mg/m3
Barium	0.30	<0.30	<0.00044	mg/m3
Beryllium	0.015	<0.015	<0.000022	mg/m3
Cadmium	0.15	<0.15	<0.00022	mg/m3
Calcium	30.	<30	<0.044	mg/m3
Chromium	7.5	<7.5	<0.011	mg/m3
Cobalt	0.45	<0.45	<0.00066	mg/m3
Copper	0.30	<0.30	<0.00044	mg/m3
Iron Oxide	11.	<11	<0.016	mg/m3
Lead	0.38	<0.38	<0.00055	mg/m3
Magnesium	7.5	<7.5	<0.011	mg/m3
Manganese	0.15	<0.15	<0.00022	mg/m3
Nickel	0.30	<0.30	<0.00044	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-3:AA121724 Lab ID : L647453-27 Air Volume : 682 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.022	mg/m3
Selenium	2.3	<2.3	<0.0033	mg/m3
Sodium	75.	<75	<0.11	mg/m3
Thallium	1.5	<1.5	<0.0022	mg/m3
Vanadium	0.45	<0.45	<0.00066	mg/m3
Zinc Oxide	4.7	<4.7	<0.0068	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-4:AA121724 Lab ID : L647453-28 Air Volume : 596 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.013	mg/m3
Antimony	0.90	<0.90	<0.0015	mg/m3
Arsenic	0.30	<0.30	<0.00050	mg/m3
Barium	0.30	<0.30	<0.00050	mg/m3
Beryllium	0.015	<0.015	<0.000025	mg/m3
Cadmium	0.15	<0.15	<0.00025	mg/m3
Calcium	30.	<30	<0.050	mg/m3
Chromium	7.5	<7.5	<0.013	mg/m3
Cobalt	0.45	<0.45	<0.00076	mg/m3
Copper	0.30	<0.30	<0.00050	mg/m3
Iron Oxide	11.	<11	<0.018	mg/m3
Lead	0.38	<0.38	<0.00063	mg/m3
Magnesium	7.5	<7.5	<0.013	mg/m3
Manganese	0.15	<0.15	<0.00025	mg/m3
Nickel	0.30	<0.30	<0.00050	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-4:AA121724 Lab ID : L647453-28 Air Volume : 596 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.025	mg/m3
Selenium	2.3	<2.3	<0.0038	mg/m3
Sodium	75.	<75	<0.13	mg/m3
Thallium	1.5	<1.5	<0.0025	mg/m3
Vanadium	0.45	<0.45	<0.00076	mg/m3
Zinc Oxide	4.7	<4.7	<0.0078	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-5:AA121724 Lab ID : L647453-29 Air Volume : 560.925 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.013	mg/m3
Antimony	0.90	<0.90	<0.0016	mg/m3
Arsenic	0.30	<0.30	<0.00053	mg/m3
Barium	0.30	<0.30	<0.00053	mg/m3
Beryllium	0.015	<0.015	<0.000027	mg/m3
Cadmium	0.15	<0.15	<0.00027	mg/m3
Calcium	30.	<30	<0.053	mg/m3
Chromium	7.5	<7.5	<0.013	mg/m3
Cobalt	0.45	<0.45	<0.00080	mg/m3
Copper	0.30	<0.30	<0.00053	mg/m3
Iron Oxide	11.	<11	<0.019	mg/m3
Lead	0.38	<0.38	<0.00067	mg/m3
Magnesium	7.5	<7.5	<0.013	mg/m3
Manganese	0.15	<0.15	<0.00027	mg/m3
Nickel	0.30	<0.30	<0.00053	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
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Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-5:AA121724 Lab ID : L647453-29 Air Volume : 560.925 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.027	mg/m3
Selenium	2.3	<2.3	<0.0040	mg/m3
Sodium	75.	<75	<0.13	mg/m3
Thallium	1.5	<1.5	<0.0027	mg/m3
Vanadium	0.45	<0.45	<0.00080	mg/m3
Zinc Oxide	4.7	<4.7	<0.0083	mg/m3

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Collection Media: MCE UW 37mm
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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-6:AA121724 Lab ID : L647453-30 Air Volume : 540 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.014	mg/m3
Antimony	0.90	<0.90	<0.0017	mg/m3
Arsenic	0.30	<0.30	<0.00056	mg/m3
Barium	0.30	<0.30	<0.00056	mg/m3
Beryllium	0.015	<0.015	<0.000028	mg/m3
Cadmium	0.15	<0.15	<0.00028	mg/m3
Calcium	30.	<30	<0.056	mg/m3
Chromium	7.5	<7.5	<0.014	mg/m3
Cobalt	0.45	<0.45	<0.00083	mg/m3
Copper	0.30	<0.30	<0.00056	mg/m3
Iron Oxide	11.	<11	<0.020	mg/m3
Lead	0.38	<0.38	<0.00069	mg/m3
Magnesium	7.5	<7.5	<0.014	mg/m3
Manganese	0.15	<0.15	<0.00028	mg/m3
Nickel	0.30	<0.30	<0.00056	mg/m3

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Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-6:AA121724 Lab ID : L647453-30 Air Volume : 540 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.028	mg/m3
Selenium	2.3	<2.3	<0.0042	mg/m3
Sodium	75.	<75	<0.14	mg/m3
Thallium	1.5	<1.5	<0.0028	mg/m3
Vanadium	0.45	<0.45	<0.00083	mg/m3
Zinc Oxide	4.7	<4.7	<0.0086	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-1:AA121824 Lab ID : L647453-31 Air Volume : 947.1 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0079	mg/m3
Antimony	0.90	<0.90	<0.00095	mg/m3
Arsenic	0.30	<0.30	<0.00032	mg/m3
Barium	0.30	<0.30	<0.00032	mg/m3
Beryllium	0.015	<0.015	<0.000016	mg/m3
Cadmium	0.15	<0.15	<0.00016	mg/m3
Calcium	30.	<30	<0.032	mg/m3
Chromium	7.5	<7.5	<0.0079	mg/m3
Cobalt	0.45	<0.45	<0.00048	mg/m3
Copper	0.30	<0.30	<0.00032	mg/m3
Iron Oxide	11.	<11	<0.011	mg/m3
Lead	0.38	<0.38	<0.00040	mg/m3
Magnesium	7.5	<7.5	<0.0079	mg/m3
Manganese	0.15	<0.15	<0.00016	mg/m3
Nickel	0.30	<0.30	<0.00032	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-1:AA121824 Lab ID : L647453-31 Air Volume : 947.1 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.016	mg/m3
Selenium	2.3	<2.3	<0.0024	mg/m3
Sodium	75.	<75	<0.079	mg/m3
Thallium	1.5	<1.5	<0.0016	mg/m3
Vanadium	0.45	<0.45	<0.00048	mg/m3
Zinc Oxide	4.7	<4.7	<0.0049	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-2:AA121824 Lab ID : L647453-32 Air Volume : 906 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0083	mg/m3
Antimony	0.90	<0.90	<0.00099	mg/m3
Arsenic	0.30	<0.30	<0.00033	mg/m3
Barium	0.30	<0.30	<0.00033	mg/m3
Beryllium	0.015	<0.015	<0.000017	mg/m3
Cadmium	0.15	<0.15	<0.00017	mg/m3
Calcium	30.	<30	<0.033	mg/m3
Chromium	7.5	<7.5	<0.0083	mg/m3
Cobalt	0.45	<0.45	<0.00050	mg/m3
Copper	0.30	<0.30	<0.00033	mg/m3
Iron Oxide	11.	<11	<0.012	mg/m3
Lead	0.38	<0.38	<0.00041	mg/m3
Magnesium	7.5	<7.5	<0.0083	mg/m3
Manganese	0.15	<0.15	<0.00017	mg/m3
Nickel	0.30	<0.30	<0.00033	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Report ID : 1468512

Client ID : ALP001:AS-2:AA121824 Lab ID : L647453-32 Air Volume : 906 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.017	mg/m3
Selenium	2.3	<2.3	<0.0025	mg/m3
Sodium	75.	<75	<0.083	mg/m3
Thallium	1.5	<1.5	<0.0017	mg/m3
Vanadium	0.45	<0.45	<0.00050	mg/m3
Zinc Oxide	4.7	<4.7	<0.0052	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-3:AA121824 Lab ID : L647453-33 Air Volume : 902 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0083	mg/m3
Antimony	0.90	<0.90	<0.0010	mg/m3
Arsenic	0.30	<0.30	<0.00033	mg/m3
Barium	0.30	<0.30	<0.00033	mg/m3
Beryllium	0.015	<0.015	<0.000017	mg/m3
Cadmium	0.15	<0.15	<0.00017	mg/m3
Calcium	30.	<30	<0.033	mg/m3
Chromium	7.5	<7.5	<0.0083	mg/m3
Cobalt	0.45	<0.45	<0.00050	mg/m3
Copper	0.30	<0.30	<0.00033	mg/m3
Iron Oxide	11.	<11	<0.012	mg/m3
Lead	0.38	<0.38	<0.00042	mg/m3
Magnesium	7.5	<7.5	<0.0083	mg/m3
Manganese	0.15	<0.15	<0.00017	mg/m3
Nickel	0.30	<0.30	<0.00033	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-3:AA121824 Lab ID : L647453-33 Air Volume : 902 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.017	mg/m3
Selenium	2.3	<2.3	<0.0025	mg/m3
Sodium	75.	<75	<0.083	mg/m3
Thallium	1.5	<1.5	<0.0017	mg/m3
Vanadium	0.45	<0.45	<0.00050	mg/m3
Zinc Oxide	4.7	<4.7	<0.0052	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-4:AA121824 Lab ID : L647453-34 Air Volume : 884.8 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0085	mg/m3
Antimony	0.90	<0.90	<0.0010	mg/m3
Arsenic	0.30	<0.30	<0.00034	mg/m3
Barium	0.30	<0.30	<0.00034	mg/m3
Beryllium	0.015	<0.015	<0.000017	mg/m3
Cadmium	0.15	<0.15	<0.00017	mg/m3
Calcium	30.	<30	<0.034	mg/m3
Chromium	7.5	<7.5	<0.0085	mg/m3
Cobalt	0.45	<0.45	<0.00051	mg/m3
Copper	0.30	<0.30	<0.00034	mg/m3
Iron Oxide	11.	<11	<0.012	mg/m3
Lead	0.38	<0.38	<0.00042	mg/m3
Magnesium	7.5	<7.5	<0.0085	mg/m3
Manganese	0.15	<0.15	<0.00017	mg/m3
Nickel	0.30	<0.30	<0.00034	mg/m3

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Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-4:AA121824 Lab ID : L647453-34 Air Volume : 884.8 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.017	mg/m3
Selenium	2.3	<2.3	<0.0025	mg/m3
Sodium	75.	<75	<0.085	mg/m3
Thallium	1.5	<1.5	<0.0017	mg/m3
Vanadium	0.45	<0.45	<0.00051	mg/m3
Zinc Oxide	4.7	<4.7	<0.0053	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-5:AA121824 Lab ID : L647453-35 Air Volume : 892 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0084	mg/m3
Antimony	0.90	<0.90	<0.0010	mg/m3
Arsenic	0.30	<0.30	<0.00034	mg/m3
Barium	0.30	<0.30	<0.00034	mg/m3
Beryllium	0.015	<0.015	<0.000017	mg/m3
Cadmium	0.15	<0.15	<0.00017	mg/m3
Calcium	30.	<30	<0.034	mg/m3
Chromium	7.5	<7.5	<0.0084	mg/m3
Cobalt	0.45	<0.45	<0.00050	mg/m3
Copper	0.30	<0.30	<0.00034	mg/m3
Iron Oxide	11.	<11	<0.012	mg/m3
Lead	0.38	<0.38	<0.00042	mg/m3
Magnesium	7.5	<7.5	<0.0084	mg/m3
Manganese	0.15	<0.15	<0.00017	mg/m3
Nickel	0.30	<0.30	<0.00034	mg/m3

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Client ID : ALP001:AS-5:AA121824 Lab ID : L647453-35 Air Volume : 892 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.017	mg/m3
Selenium	2.3	<2.3	<0.0025	mg/m3
Sodium	75.	<75	<0.084	mg/m3
Thallium	1.5	<1.5	<0.0017	mg/m3
Vanadium	0.45	<0.45	<0.00050	mg/m3
Zinc Oxide	4.7	<4.7	<0.0052	mg/m3

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Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-6:AA121824 Lab ID : L647453-36 Air Volume : 882 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0085	mg/m3
Antimony	0.90	<0.90	<0.0010	mg/m3
Arsenic	0.30	<0.30	<0.00034	mg/m3
Barium	0.30	<0.30	<0.00034	mg/m3
Beryllium	0.015	<0.015	<0.000017	mg/m3
Cadmium	0.15	<0.15	<0.00017	mg/m3
Calcium	30.	<30	<0.034	mg/m3
Chromium	7.5	<7.5	<0.0085	mg/m3
Cobalt	0.45	<0.45	<0.00051	mg/m3
Copper	0.30	<0.30	<0.00034	mg/m3
Iron Oxide	11.	<11	<0.012	mg/m3
Lead	0.38	<0.38	<0.00043	mg/m3
Magnesium	7.5	<7.5	<0.0085	mg/m3
Manganese	0.15	<0.15	<0.00017	mg/m3
Nickel	0.30	<0.30	<0.00034	mg/m3

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Report ID : 1468512

Client ID : ALP001:AS-6:AA121824 Lab ID : L647453-36 Air Volume : 882 L
Date Sampled : 12/18/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.017	mg/m3
Selenium	2.3	<2.3	<0.0026	mg/m3
Sodium	75.	<75	<0.085	mg/m3
Thallium	1.5	<1.5	<0.0017	mg/m3
Vanadium	0.45	<0.45	<0.00051	mg/m3
Zinc Oxide	4.7	<4.7	<0.0053	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-1:AA121924 Lab ID : L647453-37 Air Volume : 982.125 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0076	mg/m3
Antimony	0.90	<0.90	<0.00092	mg/m3
Arsenic	0.30	<0.30	<0.00031	mg/m3
Barium	0.30	<0.30	<0.00031	mg/m3
Beryllium	0.015	<0.015	<0.000015	mg/m3
Cadmium	0.15	<0.15	<0.00015	mg/m3
Calcium	30.	<30	<0.031	mg/m3
Chromium	7.5	<7.5	<0.0076	mg/m3
Cobalt	0.45	<0.45	<0.00046	mg/m3
Copper	0.30	<0.30	<0.00031	mg/m3
Iron Oxide	11.	<11	<0.011	mg/m3
Lead	0.38	<0.38	<0.00038	mg/m3
Magnesium	7.5	<7.5	<0.0076	mg/m3
Manganese	0.15	<0.15	<0.00015	mg/m3
Nickel	0.30	<0.30	<0.00031	mg/m3

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Report ID : 1468512

Client ID : ALP001:AS-1:AA121924 Lab ID : L647453-37 Air Volume : 982.125 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.015	mg/m3
Selenium	2.3	<2.3	<0.0023	mg/m3
Sodium	75.	<75	<0.076	mg/m3
Thallium	1.5	<1.5	<0.0015	mg/m3
Vanadium	0.45	<0.45	<0.00046	mg/m3
Zinc Oxide	4.7	<4.7	<0.0048	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-2:AA121924 Lab ID : L647453-38 Air Volume : 994.25 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0075	mg/m3
Antimony	0.90	<0.90	<0.00091	mg/m3
Arsenic	0.30	<0.30	<0.00030	mg/m3
Barium	0.30	<0.30	<0.00030	mg/m3
Beryllium	0.015	<0.015	<0.000015	mg/m3
Cadmium	0.15	<0.15	<0.00015	mg/m3
Calcium	30.	<30	<0.030	mg/m3
Chromium	7.5	<7.5	<0.0075	mg/m3
Cobalt	0.45	<0.45	<0.00045	mg/m3
Copper	0.30	<0.30	<0.00030	mg/m3
Iron Oxide	11.	<11	<0.011	mg/m3
Lead	0.38	<0.38	<0.00038	mg/m3
Magnesium	7.5	<7.5	<0.0075	mg/m3
Manganese	0.15	<0.15	<0.00015	mg/m3
Nickel	0.30	<0.30	<0.00030	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
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Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-2:AA121924 Lab ID : L647453-38 Air Volume : 994.25 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.015	mg/m3
Selenium	2.3	<2.3	<0.0023	mg/m3
Sodium	75.	<75	<0.075	mg/m3
Thallium	1.5	<1.5	<0.0015	mg/m3
Vanadium	0.45	<0.45	<0.00045	mg/m3
Zinc Oxide	4.7	<4.7	<0.0047	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-3:AA121924 Lab ID : L647453-39 Air Volume : 982.125 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0076	mg/m3
Antimony	0.90	<0.90	<0.00092	mg/m3
Arsenic	0.30	<0.30	<0.00031	mg/m3
Barium	0.30	<0.30	<0.00031	mg/m3
Beryllium	0.015	<0.015	<0.000015	mg/m3
Cadmium	0.15	<0.15	<0.00015	mg/m3
Calcium	30.	<30	<0.031	mg/m3
Chromium	7.5	<7.5	<0.0076	mg/m3
Cobalt	0.45	<0.45	<0.00046	mg/m3
Copper	0.30	<0.30	<0.00031	mg/m3
Iron Oxide	11.	<11	<0.011	mg/m3
Lead	0.38	<0.38	<0.00038	mg/m3
Magnesium	7.5	<7.5	<0.0076	mg/m3
Manganese	0.15	<0.15	<0.00015	mg/m3
Nickel	0.30	<0.30	<0.00031	mg/m3

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Client ID : ALP001:AS-3:AA121924 Lab ID : L647453-39 Air Volume : 982.125 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.015	mg/m3
Selenium	2.3	<2.3	<0.0023	mg/m3
Sodium	75.	<75	<0.076	mg/m3
Thallium	1.5	<1.5	<0.0015	mg/m3
Vanadium	0.45	<0.45	<0.00046	mg/m3
Zinc Oxide	4.7	<4.7	<0.0048	mg/m3

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-4:AA121924 Lab ID : L647453-40 Air Volume : 980 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0077	mg/m3
Antimony	0.90	<0.90	<0.00092	mg/m3
Arsenic	0.30	<0.30	<0.00031	mg/m3
Barium	0.30	<0.30	<0.00031	mg/m3
Beryllium	0.015	<0.015	<0.000015	mg/m3
Cadmium	0.15	<0.15	<0.00015	mg/m3
Calcium	30.	<30	<0.031	mg/m3
Chromium	7.5	<7.5	<0.0077	mg/m3
Cobalt	0.45	<0.45	<0.00046	mg/m3
Copper	0.30	<0.30	<0.00031	mg/m3
Iron Oxide	11.	<11	<0.011	mg/m3
Lead	0.38	<0.38	<0.00038	mg/m3
Magnesium	7.5	<7.5	<0.0077	mg/m3
Manganese	0.15	<0.15	<0.00015	mg/m3
Nickel	0.30	<0.30	<0.00031	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-4:AA121924 Lab ID : L647453-40 Air Volume : 980 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.015	mg/m3
Selenium	2.3	<2.3	<0.0023	mg/m3
Sodium	75.	<75	<0.077	mg/m3
Thallium	1.5	<1.5	<0.0015	mg/m3
Vanadium	0.45	<0.45	<0.00046	mg/m3
Zinc Oxide	4.7	<4.7	<0.0048	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-5:AA121924 Lab ID : L647453-41 Air Volume : 986.175 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0076	mg/m3
Antimony	0.90	<0.90	<0.00091	mg/m3
Arsenic	0.30	<0.30	<0.00030	mg/m3
Barium	0.30	<0.30	<0.00030	mg/m3
Beryllium	0.015	<0.015	<0.000015	mg/m3
Cadmium	0.15	<0.15	<0.00015	mg/m3
Calcium	30.	<30	<0.030	mg/m3
Chromium	7.5	<7.5	<0.0076	mg/m3
Cobalt	0.45	<0.45	<0.00046	mg/m3
Copper	0.30	<0.30	<0.00030	mg/m3
Iron Oxide	11.	<11	<0.011	mg/m3
Lead	0.38	<0.38	<0.00038	mg/m3
Magnesium	7.5	<7.5	<0.0076	mg/m3
Manganese	0.15	<0.15	<0.00015	mg/m3
Nickel	0.30	<0.30	<0.00030	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-5:AA121924 Lab ID : L647453-41 Air Volume : 986.175 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.015	mg/m3
Selenium	2.3	<2.3	<0.0023	mg/m3
Sodium	75.	<75	<0.076	mg/m3
Thallium	1.5	<1.5	<0.0015	mg/m3
Vanadium	0.45	<0.45	<0.00046	mg/m3
Zinc Oxide	4.7	<4.7	<0.0047	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-6:AA121924 Lab ID : L647453-42 Air Volume : 959.85 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.0078	mg/m3
Antimony	0.90	<0.90	<0.00094	mg/m3
Arsenic	0.30	<0.30	<0.00031	mg/m3
Barium	0.30	<0.30	<0.00031	mg/m3
Beryllium	0.015	<0.015	<0.000016	mg/m3
Cadmium	0.15	<0.15	<0.00016	mg/m3
Calcium	30.	<30	<0.031	mg/m3
Chromium	7.5	<7.5	<0.0078	mg/m3
Cobalt	0.45	<0.45	<0.00047	mg/m3
Copper	0.30	<0.30	<0.00031	mg/m3
Iron Oxide	11.	<11	<0.011	mg/m3
Lead	0.38	<0.38	<0.00039	mg/m3
Magnesium	7.5	<7.5	<0.0078	mg/m3
Manganese	0.15	<0.15	<0.00016	mg/m3
Nickel	0.30	<0.30	<0.00031	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Login No. : L647453
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Report ID : 1468512

Client ID : ALP001:AS-6:AA121924 Lab ID : L647453-42 Air Volume : 959.85 L
Date Sampled : 12/19/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.016	mg/m3
Selenium	2.3	<2.3	<0.0023	mg/m3
Sodium	75.	<75	<0.078	mg/m3
Thallium	1.5	<1.5	<0.0016	mg/m3
Vanadium	0.45	<0.45	<0.00047	mg/m3
Zinc Oxide	4.7	<4.7	<0.0049	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-1:AA122024 Lab ID : L647453-43 Air Volume : 453.6 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.017	mg/m3
Antimony	0.90	<0.90	<0.0020	mg/m3
Arsenic	0.30	<0.30	<0.00066	mg/m3
Barium	0.30	<0.30	<0.00066	mg/m3
Beryllium	0.015	<0.015	<0.000033	mg/m3
Cadmium	0.15	<0.15	<0.00033	mg/m3
Calcium	30.	<30	<0.066	mg/m3
Chromium	7.5	<7.5	<0.017	mg/m3
Cobalt	0.45	<0.45	<0.00099	mg/m3
Copper	0.30	<0.30	<0.00066	mg/m3
Iron Oxide	11.	<11	<0.024	mg/m3
Lead	0.38	<0.38	<0.00083	mg/m3
Magnesium	7.5	<7.5	<0.017	mg/m3
Manganese	0.15	<0.15	<0.00033	mg/m3
Nickel	0.30	<0.30	<0.00066	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-1:AA122024 Lab ID : L647453-43 Air Volume : 453.6 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.033	mg/m3
Selenium	2.3	<2.3	<0.0050	mg/m3
Sodium	75.	<75	<0.17	mg/m3
Thallium	1.5	<1.5	<0.0033	mg/m3
Vanadium	0.45	<0.45	<0.00099	mg/m3
Zinc Oxide	4.7	<4.7	<0.010	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-2:AA122024 Lab ID : L647453-44 Air Volume : 419.95 L
Date Sampled : 12/20/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.018	mg/m3
Antimony	0.90	<0.90	<0.0021	mg/m3
Arsenic	0.30	<0.30	<0.00071	mg/m3
Barium	0.30	<0.30	<0.00071	mg/m3
Beryllium	0.015	<0.015	<0.000036	mg/m3
Cadmium	0.15	<0.15	<0.00036	mg/m3
Calcium	30.	<30	<0.071	mg/m3
Chromium	7.5	<7.5	<0.018	mg/m3
Cobalt	0.45	<0.45	<0.0011	mg/m3
Copper	0.30	<0.30	<0.00071	mg/m3
Iron Oxide	11.	<11	<0.026	mg/m3
Lead	0.38	<0.38	<0.00089	mg/m3
Magnesium	7.5	<7.5	<0.018	mg/m3
Manganese	0.15	<0.15	<0.00036	mg/m3
Nickel	0.30	<0.30	<0.00071	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-2:AA122024 Lab ID : L647453-44 Air Volume : 419.95 L
Date Sampled : 12/20/24 Date Analyzed : 01/02/25

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.036	mg/m3
Selenium	2.3	<2.3	<0.0054	mg/m3
Sodium	75.	<75	<0.18	mg/m3
Thallium	1.5	<1.5	<0.0036	mg/m3
Vanadium	0.45	<0.45	<0.0011	mg/m3
Zinc Oxide	4.7	<4.7	<0.011	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-3:AA122024 Lab ID : L647453-45 Air Volume : 467.4 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.016	mg/m3
Antimony	0.90	<0.90	<0.0019	mg/m3
Arsenic	0.30	<0.30	<0.00064	mg/m3
Barium	0.30	<0.30	<0.00064	mg/m3
Beryllium	0.015	<0.015	<0.000032	mg/m3
Cadmium	0.15	<0.15	<0.00032	mg/m3
Calcium	30.	<30	<0.064	mg/m3
Chromium	7.5	<7.5	<0.016	mg/m3
Cobalt	0.45	<0.45	<0.00096	mg/m3
Copper	0.30	<0.30	<0.00064	mg/m3
Iron Oxide	11.	<11	<0.023	mg/m3
Lead	0.38	<0.38	<0.00080	mg/m3
Magnesium	7.5	<7.5	<0.016	mg/m3
Manganese	0.15	<0.15	<0.00032	mg/m3
Nickel	0.30	<0.30	<0.00064	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-3:AA122024 Lab ID : L647453-45 Air Volume : 467.4 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.032	mg/m3
Selenium	2.3	<2.3	<0.0048	mg/m3
Sodium	75.	<75	<0.16	mg/m3
Thallium	1.5	<1.5	<0.0032	mg/m3
Vanadium	0.45	<0.45	<0.00096	mg/m3
Zinc Oxide	4.7	<4.7	<0.010	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-4:AA122024 Lab ID : L647453-46 Air Volume : 462 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.016	mg/m3
Antimony	0.90	<0.90	<0.0019	mg/m3
Arsenic	0.30	<0.30	<0.00065	mg/m3
Barium	0.30	<0.30	<0.00065	mg/m3
Beryllium	0.015	<0.015	<0.000032	mg/m3
Cadmium	0.15	<0.15	<0.00032	mg/m3
Calcium	30.	<30	<0.065	mg/m3
Chromium	7.5	<7.5	<0.016	mg/m3
Cobalt	0.45	<0.45	<0.00097	mg/m3
Copper	0.30	<0.30	<0.00065	mg/m3
Iron Oxide	11.	<11	<0.023	mg/m3
Lead	0.38	<0.38	<0.00081	mg/m3
Magnesium	7.5	<7.5	<0.016	mg/m3
Manganese	0.15	<0.15	<0.00032	mg/m3
Nickel	0.30	<0.30	<0.00065	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Account No.: 28667
Login No. : L647453
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Report ID : 1468512

Client ID : ALP001:AS-4:AA122024 Lab ID : L647453-46 Air Volume : 462 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.032	mg/m3
Selenium	2.3	<2.3	<0.0049	mg/m3
Sodium	75.	<75	<0.16	mg/m3
Thallium	1.5	<1.5	<0.0032	mg/m3
Vanadium	0.45	<0.45	<0.00097	mg/m3
Zinc Oxide	4.7	<4.7	<0.010	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-5:AA122024 Lab ID : L647453-47 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.016	mg/m3
Antimony	0.90	<0.90	<0.0020	mg/m3
Arsenic	0.30	<0.30	<0.00066	mg/m3
Barium	0.30	<0.30	<0.00066	mg/m3
Beryllium	0.015	<0.015	<0.000033	mg/m3
Cadmium	0.15	<0.15	<0.00033	mg/m3
Calcium	30.	<30	<0.066	mg/m3
Chromium	7.5	<7.5	<0.016	mg/m3
Cobalt	0.45	<0.45	<0.00098	mg/m3
Copper	0.30	<0.30	<0.00066	mg/m3
Iron Oxide	11.	<11	<0.023	mg/m3
Lead	0.38	<0.38	<0.00082	mg/m3
Magnesium	7.5	<7.5	<0.016	mg/m3
Manganese	0.15	<0.15	<0.00033	mg/m3
Nickel	0.30	<0.30	<0.00066	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



LABORATORY ANALYSIS REPORT

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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-5:AA122024 Lab ID : L647453-47 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.033	mg/m3
Selenium	2.3	<2.3	<0.0049	mg/m3
Sodium	75.	<75	<0.16	mg/m3
Thallium	1.5	<1.5	<0.0033	mg/m3
Vanadium	0.45	<0.45	<0.00098	mg/m3
Zinc Oxide	4.7	<4.7	<0.010	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-6:AA122024 Lab ID : L647453-48 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Total ug	Conc	Units
Aluminum	7.5	<7.5	<0.016	mg/m3
Antimony	0.90	<0.90	<0.0020	mg/m3
Arsenic	0.30	<0.30	<0.00066	mg/m3
Barium	0.30	<0.30	<0.00066	mg/m3
Beryllium	0.015	<0.015	<0.000033	mg/m3
Cadmium	0.15	<0.15	<0.00033	mg/m3
Calcium	30.	<30	<0.066	mg/m3
Chromium	7.5	<7.5	<0.016	mg/m3
Cobalt	0.45	<0.45	<0.00098	mg/m3
Copper	0.30	<0.30	<0.00066	mg/m3
Iron Oxide	11.	<11	<0.023	mg/m3
Lead	0.38	<0.38	<0.00082	mg/m3
Magnesium	7.5	<7.5	<0.016	mg/m3
Manganese	0.15	<0.15	<0.00033	mg/m3
Nickel	0.30	<0.30	<0.00066	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
Date : 03-JAN-25

Submitted by: DPB/MSP
Supervisor : JJL

Approved by: CAW/KEG



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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 02-JAN-25
Report ID : 1468512

Client ID : ALP001:AS-6:AA122024 Lab ID : L647453-48 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 12/31/24

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Potassium	15.	<15	<0.033	mg/m3
Selenium	2.3	<2.3	<0.0049	mg/m3
Sodium	75.	<75	<0.16	mg/m3
Thallium	1.5	<1.5	<0.0033	mg/m3
Vanadium	0.45	<0.45	<0.00098	mg/m3
Zinc Oxide	4.7	<4.7	<0.010	mg/m3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: MCE UW 37mm
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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA121724 Lab ID : L647453-1 Air Volume : 596 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00053	<0.000091
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00055	<0.000095
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00056	<0.000089
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00052	<0.000084
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00059	<0.000081
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00065	<0.000069
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00076	<0.000074
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00070	<0.000068
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00085	<0.000075
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00070	<0.000068
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00065	<0.000070
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00070	<0.000061
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00061	<0.000073
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00056	<0.000082
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00079	<0.000070

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA121724 Lab ID : L647453-1 Air Volume : 596 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00055	<0.00010
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00059	<0.000080
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00061	<0.000074

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA121724 Lab ID : L647453-2 Air Volume : 692 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00046	<0.000078
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00048	<0.000082
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00048	<0.000076
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00045	<0.000073
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00051	<0.000070
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00056	<0.000060
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00066	<0.000064
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00060	<0.000058
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00073	<0.000065
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00060	<0.000058
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00056	<0.000060
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00060	<0.000053
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00052	<0.000063
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00048	<0.000071
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00068	<0.000060

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA121724 Lab ID : L647453-2 Air Volume : 692 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00047	<0.000090
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00050	<0.000069
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00053	<0.000064

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA121724 Lab ID : L647453-3 Air Volume : 664.95 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00047	<0.000082
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00050	<0.000085
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00050	<0.000079
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00047	<0.000076
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00053	<0.000073
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00058	<0.000062
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00068	<0.000066
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00063	<0.000061
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00076	<0.000068
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00063	<0.000061
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00059	<0.000063
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00063	<0.000055
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00054	<0.000066
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00050	<0.000074
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00070	<0.000062

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA121724 Lab ID : L647453-3 Air Volume : 664.95 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00049	<0.000094
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00052	<0.000072
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00055	<0.000067

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Supervisor : SMM

Approved by: MLN



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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA121724 Lab ID : L647453-4 Air Volume : 573.65 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00055	<0.000095
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00057	<0.000099
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00058	<0.000092
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00054	<0.000088
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00062	<0.000084
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00067	<0.000072
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00079	<0.000077
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00073	<0.000070
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00089	<0.000078
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00073	<0.000070
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00068	<0.000073
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00073	<0.000064
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00063	<0.000076
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00058	<0.000085
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00082	<0.000072

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA121724 Lab ID : L647453-4 Air Volume : 573.65 L
Date Sampled : 12/17/24 Date Analyzed : 12/31/24

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00057	<0.00011
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00061	<0.000083
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00064	<0.000077

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA121724 Lab ID : L647453-5 Air Volume : 453.6 L
Date Sampled : 12/17/24 Date Analyzed : 01/01/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00070	<0.00012
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00069	<0.00011
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00078	<0.00011
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00085	<0.000091
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.0010	<0.000097
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000089
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.0011	<0.000099
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000089
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00086	<0.000092
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000081
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00080	<0.000096
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00011
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.0010	<0.000091

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA121724 Lab ID : L647453-5 Air Volume : 453.6 L
Date Sampled : 12/17/24 Date Analyzed : 01/01/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00014
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00077	<0.00011
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00081	<0.000097

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



LABORATORY ANALYSIS REPORT

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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA121724 Lab ID : L647453-6 Air Volume : 540 L
Date Sampled : 12/17/24 Date Analyzed : 01/01/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00058	<0.00010
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00061	<0.00010
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00062	<0.000098
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00058	<0.000093
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00065	<0.000090
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00071	<0.000076
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00084	<0.000082
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00077	<0.000075
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00094	<0.000083
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00077	<0.000075
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00072	<0.000077
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00077	<0.000068
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00067	<0.000081
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00062	<0.000091
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00087	<0.000077

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Client : Verdantas
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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA121724 Lab ID : L647453-6 Air Volume : 540 L
Date Sampled : 12/17/24 Date Analyzed : 01/01/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00060	<0.00012
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00065	<0.000089
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00068	<0.000082

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA121824 Lab ID : L647453-7 Air Volume : 879.45 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00036	<0.000062
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000064
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00038	<0.000060
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00036	<0.000057
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00040	<0.000055
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00044	<0.000047
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00052	<0.000050
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000046
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00058	<0.000051
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000046
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00044	<0.000047
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000042
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00041	<0.000050
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00038	<0.000056
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00053	<0.000047

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA121824 Lab ID : L647453-7 Air Volume : 879.45 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000071
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00040	<0.000054
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00042	<0.000050

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA121824 Lab ID : L647453-8 Air Volume : 883.35 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00036	<0.000061
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000064
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00038	<0.000060
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00035	<0.000057
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00040	<0.000055
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00044	<0.000047
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00051	<0.000050
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000046
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00058	<0.000051
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000046
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00044	<0.000047
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000041
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00041	<0.000049
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00038	<0.000056
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00053	<0.000047

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Client : Verdantas
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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA121824 Lab ID : L647453-8 Air Volume : 883.35 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000070
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00039	<0.000054
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00041	<0.000050

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Collection Media: FilterTube
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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA121824 Lab ID : L647453-9 Air Volume : 902 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00035	<0.000060
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000063
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000059
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00035	<0.000056
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00039	<0.000054
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00043	<0.000046
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00050	<0.000049
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00046	<0.000045
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00056	<0.000050
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00046	<0.000045
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00043	<0.000046
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00046	<0.000041
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00040	<0.000048
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000054
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00052	<0.000046

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA121824 Lab ID : L647453-9 Air Volume : 902 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00036	<0.000069
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00039	<0.000053
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00041	<0.000049

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Supervisor : SMM

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA121824 Lab ID : L647453-10 Air Volume : 896 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00035	<0.000061
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000063
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000059
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00035	<0.000056
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00039	<0.000054
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00043	<0.000046
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00051	<0.000049
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000045
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00057	<0.000050
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000045
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00043	<0.000047
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000041
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00040	<0.000049
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000055
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00052	<0.000046

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA121824 Lab ID : L647453-10 Air Volume : 896 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00036	<0.000069
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00039	<0.000053
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00041	<0.000049

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Supervisor : SMM

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA121824 Lab ID : L647453-11 Air Volume : 892 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00035	<0.000061
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000064
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000059
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00035	<0.000056
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00040	<0.000054
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00043	<0.000046
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00051	<0.000049
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000045
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00057	<0.000050
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000045
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00044	<0.000047
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00047	<0.000041
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00041	<0.000049
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000055
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00053	<0.000046

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA121824 Lab ID : L647453-11 Air Volume : 892 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00037	<0.000070
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00039	<0.000054
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00041	<0.000050

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA121824 Lab ID : L647453-12 Air Volume : 859.95 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00037	<0.000063
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00038	<0.000066
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00039	<0.000061
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00036	<0.000058
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00041	<0.000056
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00045	<0.000048
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00053	<0.000051
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00048	<0.000047
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00059	<0.000052
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00048	<0.000047
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00045	<0.000049
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00048	<0.000043
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00042	<0.000051
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00039	<0.000057
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00055	<0.000048

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Supervisor : SMM

Approved by: MLN



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA121824 Lab ID : L647453-12 Air Volume : 859.95 L
Date Sampled : 12/18/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00038	<0.000072
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00041	<0.000056
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00043	<0.000051

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA121924 Lab ID : L647453-13 Air Volume : 982.125 L
Date Sampled : 12/19/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00032	<0.000055
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000058
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000054
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00032	<0.000051
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00036	<0.000049
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00039	<0.000042
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00046	<0.000045
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000041
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00052	<0.000046
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000041
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00040	<0.000042
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000037
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00037	<0.000044
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000050
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00048	<0.000042

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

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Supervisor : SMM

Approved by: MLN



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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA121924 Lab ID : L647453-13 Air Volume : 982.125 L
Date Sampled : 12/19/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000063
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00036	<0.000049
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00037	<0.000045

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA121924 Lab ID : L647453-14 Air Volume : 770 L
Date Sampled : 12/19/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00041	<0.000071
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00043	<0.000074
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00043	<0.000069
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00041	<0.000065
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00046	<0.000063
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00050	<0.000053
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00059	<0.000057
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00054	<0.000052
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00066	<0.000058
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00054	<0.000052
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00051	<0.000054
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00054	<0.000048
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00047	<0.000057
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00043	<0.000064
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00061	<0.000054

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Collection Media: FilterTube
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Supervisor : SMM

Approved by: MLN



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA121924 Lab ID : L647453-14 Air Volume : 770 L
Date Sampled : 12/19/24 Date Analyzed : 01/02/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00042	<0.000081
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00045	<0.000062
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00048	<0.000057

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA121924 Lab ID : L647453-15 Air Volume : 970 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00033	<0.000056
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000058
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000054
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00032	<0.000052
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00036	<0.000050
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00040	<0.000042
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00047	<0.000045
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00043	<0.000042
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00052	<0.000046
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00043	<0.000042
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00040	<0.000043
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00043	<0.000038
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00037	<0.000045
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000051
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00048	<0.000043

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Supervisor : SMM

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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA121924 Lab ID : L647453-15 Air Volume : 970 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000064
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00036	<0.000049
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00038	<0.000046

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA121924 Lab ID : L647453-16 Air Volume : 992.25 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00032	<0.000055
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000057
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000053
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00031	<0.000051
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00036	<0.000049
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00039	<0.000042
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00046	<0.000044
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000041
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00051	<0.000045
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000041
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00039	<0.000042
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000037
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00036	<0.000044
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000049
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00047	<0.000042

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Supervisor : SMM

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA121924 Lab ID : L647453-16 Air Volume : 992.25 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000063
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00035	<0.000048
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00037	<0.000045

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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA121924 Lab ID : L647453-17 Air Volume : 998.35 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00032	<0.000054
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000057
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000053
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00031	<0.000050
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00035	<0.000048
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00039	<0.000041
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00046	<0.000044
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000040
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00051	<0.000045
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000040
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00039	<0.000042
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000037
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00036	<0.000044
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000049
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00047	<0.000042

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



LABORATORY ANALYSIS REPORT

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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA121924 Lab ID : L647453-17 Air Volume : 998.35 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000062
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00035	<0.000048
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00037	<0.000044

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA121924 Lab ID : L647453-18 Air Volume : 984.15 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00032	<0.000055
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000058
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000054
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00032	<0.000051
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00036	<0.000049
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00039	<0.000042
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00046	<0.000045
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000041
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.00052	<0.000046
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000041
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00040	<0.000042
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00042	<0.000037
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00037	<0.000044
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00034	<0.000050
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.00048	<0.000042

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Collection Media: FilterTube
Date : 07-JAN-25

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Supervisor : SMM

Approved by: MLN



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA121924 Lab ID : L647453-18 Air Volume : 984.15 L
Date Sampled : 12/19/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00033	<0.000063
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00035	<0.000049
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00037	<0.000045

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Collection Media: FilterTube
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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA122024 Lab ID : L647453-19 Air Volume : 453.6 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00070	<0.00012
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00069	<0.00011
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00078	<0.00011
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00085	<0.000091
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.0010	<0.000097
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000089
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.0011	<0.000099
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000089
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00086	<0.000092
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000081
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00080	<0.000096
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00011
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.0010	<0.000091

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-1:AA122024 Lab ID : L647453-19 Air Volume : 453.6 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00014
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00077	<0.00011
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00081	<0.000097

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Collection Media: FilterTube
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Supervisor : SMM

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA122024 Lab ID : L647453-20 Air Volume : 454 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00070	<0.00012
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00069	<0.00011
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00078	<0.00011
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00085	<0.000091
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.0010	<0.000097
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000089
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.0011	<0.000099
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000089
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00086	<0.000092
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00092	<0.000081
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00080	<0.000096
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00011
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.0010	<0.000091

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-2:AA122024 Lab ID : L647453-20 Air Volume : 454 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00014
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00077	<0.00011
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00081	<0.000097

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



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Client : Verdantas
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Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA122024 Lab ID : L647453-21 Air Volume : 456 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00069	<0.00012
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00012
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00069	<0.00011
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00077	<0.00011
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00084	<0.000090
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.0010	<0.000097
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000089
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.0011	<0.000099
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000089
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00085	<0.000092
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000080
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00079	<0.000096
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00011
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.0010	<0.000091

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Supervisor : SMM

Approved by: MLN



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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-3:AA122024 Lab ID : L647453-21 Air Volume : 456 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00014
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00076	<0.00010
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00080	<0.000097

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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA122024 Lab ID : L647453-22 Air Volume : 462 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00068	<0.00012
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00071	<0.00012
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00011
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00068	<0.00011
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00076	<0.00010
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00083	<0.000089
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00098	<0.000095
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00090	<0.000087
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.0011	<0.000097
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00090	<0.000087
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00084	<0.000090
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00090	<0.000079
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00078	<0.000095
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00011
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.0010	<0.000090

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

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Supervisor : SMM

Approved by: MLN



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Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-4:AA122024 Lab ID : L647453-22 Air Volume : 462 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00071	<0.00013
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00076	<0.00010
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00079	<0.000096

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
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Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA122024 Lab ID : L647453-23 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00069	<0.00012
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00012
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00068	<0.00011
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00077	<0.00011
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00084	<0.000090
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00099	<0.000096
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000088
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.0011	<0.000098
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000088
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00085	<0.000091
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000080
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00079	<0.000095
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00011
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.0010	<0.000091

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.sgsgalson.com

Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-5:AA122024 Lab ID : L647453-23 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00071	<0.00014
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00076	<0.00010
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00080	<0.000097

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



LABORATORY ANALYSIS REPORT

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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA122024 Lab ID : L647453-24 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.32	<0.00069	<0.00012
2-Methylnaphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00072	<0.00012
Acenaphthene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00012
Acenaphthylene	0.30	<0.30	<0.30	<0.30	<0.31	<0.00068	<0.00011
Anthracene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00077	<0.00011
Benzo(a)anthracene	0.30	<0.30	<0.30	<0.30	<0.38	<0.00084	<0.000090
Benzo(a)pyrene	0.30	<0.30	<0.30	<0.30	<0.45	<0.00099	<0.000096
Benzo(b)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000088
Benzo(g,h,i)perylene	0.30	<0.30	<0.30	<0.30	<0.51	<0.0011	<0.000098
Benzo(k)fluoranthene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000088
Chrysene	0.30	<0.30	<0.30	<0.30	<0.39	<0.00085	<0.000091
Dibenz(a,h)anthracene	0.30	<0.30	<0.30	<0.30	<0.42	<0.00091	<0.000080
Fluoranthene	0.30	<0.30	<0.30	<0.30	<0.36	<0.00079	<0.000095
Fluorene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00073	<0.00011
Indeno(1,2,3-cd)pyrene	0.30	<0.30	<0.30	<0.30	<0.47	<0.0010	<0.000091

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



LABORATORY ANALYSIS REPORT

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Client : Verdantas
Site : NS
Project No. : 31201
Date Sampled : 17-DEC-24 - 20-DEC-24
Date Received : 28-DEC-24

Account No.: 28667
Login No. : L647453
Date Analyzed : 31-DEC-24 - 03-JAN-25
Report ID : 1468936

Client ID : ALP001:AS-6:AA122024 Lab ID : L647453-24 Air Volume : 458 L
Date Sampled : 12/20/24 Date Analyzed : 01/03/25

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.30	<0.30	<0.30	<0.30	<0.33	<0.00071	<0.00014
Phenanthrene	0.30	<0.30	<0.30	<0.30	<0.35	<0.00076	<0.00010
Pyrene	0.30	<0.30	<0.30	<0.30	<0.37	<0.00080	<0.000097

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media: FilterTube
Date : 07-JAN-25

Submitted by: JLL
Supervisor : SMM

Approved by: MLN



GALSON

LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
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Client Name : Verdantas
Site :
Project No. : 31201

Date Sampled : 17-DEC-24 - 20-DEC-24 Account No.: 28667
Date Received: 28-DEC-24 Login No. : L647453
Date Analyzed: 31-DEC-24 - 03-JAN-25

L647453 (Report ID: 1468512):

For applicable NYS sampling events, laboratory accreditation through NYSDOH applies only to Lead results.

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: MT-SOP-29(16), MT-SOP-27(23)

Reported Iron Oxide(Fe2O3) results assume that all detected Iron is present as Iron Oxide.

Reported Zinc Oxide (ZnO) results assume that all detected Zinc is present as Zinc Oxide.

L647453 (Report ID: 1468512):

Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
Aluminum	+/-11.6%	101%
Antimony	+/-12%	102%
Arsenic	+/-10.8%	111%
Barium	+/-10.2%	103%
Beryllium	+/-10.5%	105%
Cadmium	+/-9.7%	105%
Calcium	+/-12.7%	108%
Chromium	+/-9.6%	106%
Cobalt	+/-9.5%	106%
Copper	+/-10%	106%
Iron Oxide	+/-11.3%	107%
Lead	+/-10.4%	103%
Magnesium	+/-11.8%	104%
Manganese	+/-11.1%	101%
Nickel	+/-11.6%	105%
Potassium	+/-12.3%	101%
Selenium	+/-10.5%	108%
Sodium	+/-11.4%	103%
Thallium	+/-9.4%	101%
Vanadium	+/-11%	104%
Zinc Oxide	+/-10.6%	104%



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Client Name : Verdantas
Site :
Project No. : 31201

Date Sampled : 17-DEC-24 - 20-DEC-24 Account No.: 28667
Date Received: 28-DEC-24 Login No. : L647453
Date Analyzed: 31-DEC-24 - 03-JAN-25

Parameter	Method
Aluminum	mod. NIOSH 7303; ICP
Antimony	mod. NIOSH 7303; ICP
Arsenic	mod. NIOSH 7303; ICP
Barium	mod. NIOSH 7303; ICP
Beryllium	mod. NIOSH 7303; ICP
Cadmium	mod. NIOSH 7303; ICP
Calcium	mod. NIOSH 7303; ICP
Chromium	mod. NIOSH 7303; ICP
Cobalt	mod. NIOSH 7303; ICP
Copper	mod. NIOSH 7303; ICP
Iron Oxide	mod. NIOSH 7303; ICP
Lead	mod. NIOSH 7303; ICP
Magnesium	mod. NIOSH 7303; ICP
Manganese	mod. NIOSH 7303; ICP
Nickel	mod. NIOSH 7303; ICP
Potassium	mod. NIOSH 7303; ICP
Selenium	mod. NIOSH 7303; ICP
Sodium	mod. NIOSH 7303; ICP
Thallium	mod. NIOSH 7303; ICP
Vanadium	mod. NIOSH 7303; ICP
Zinc Oxide	mod. NIOSH 7303; ICP

L647453 (Report ID: 1468936):
Results have been corrected for matrix and compound-specific desorption efficiencies.
SOPs: il-n5506(20)

L647453 (Report ID: 1468936):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2). The estimated accuracy applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process. The accuracy is based solely on spike recovery data from internal quality control samples. Where N/A appears below, insufficient data is available to provide statistical accuracy and mean recovery values for the associated analyte.

Parameter	Accuracy	Mean Recovery
1-Methylnaphthalene	+/-11.7%	103%
2-Methylnaphthalene	+/-12%	100%
Acenaphthene	+/-12.5%	103%
Acenaphthylene	+/-14%	96.9%
Anthracene	+/-13.7%	106%
Benzo(a)anthracene	+/-12%	102%
Benzo(a)pyrene	+/-19.1%	104%
Benzo(b)fluoranthene	+/-14.9%	104%



LABORATORY FOOTNOTE REPORT

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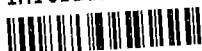
Client Name : Verdantas
Site :
Project No. : 31201

Date Sampled : 17-DEC-24 - 20-DEC-24 Account No.: 28667
Date Received: 28-DEC-24 Login No. : L647453
Date Analyzed: 31-DEC-24 - 03-JAN-25

Benzo(g,h,i)perylene	+/-13.8%	103%
Benzo(k)fluoranthene	+/-13.5%	103%
Chrysene	+/-15.9%	101%
Dibenz(a,h)anthracene	+/-16.9%	96.4%
Fluoranthene	+/-11.7%	102%
Fluorene	+/-12.7%	103%
Indeno(1,2,3-cd)pyrene	+/-15.9%	95.2%
Naphthalene	+/-11.2%	105%
Phenanthrene	+/-13.4%	102%
Pyrene	+/-15.1%	99.9%

Parameter	Method
1-Methylnaphthalene	mod. NIOSH 5506; HPLC/UV
2-Methylnaphthalene	mod. NIOSH 5506; HPLC/UV
Acenaphthene	mod. NIOSH 5506; HPLC/UV
Acenaphthylene	mod. NIOSH 5506; HPLC/UV
Anthracene	mod. NIOSH 5506; HPLC/UV
Benzo(a)anthracene	mod. NIOSH 5506; HPLC/UV
Benzo(a)pyrene	mod. NIOSH 5506; HPLC/UV
Benzo(b)fluoranthene	mod. NIOSH 5506; HPLC/UV
Benzo(g,h,i)perylene	mod. NIOSH 5506; HPLC/UV
Benzo(k)fluoranthene	mod. NIOSH 5506; HPLC/UV
Chrysene	mod. NIOSH 5506; HPLC/UV
Dibenz(a,h)anthracene	mod. NIOSH 5506; HPLC/UV
Fluoranthene	mod. NIOSH 5506; HPLC/UV
Fluorene	mod. NIOSH 5506; HPLC/UV
Indeno(1,2,3-cd)pyrene	mod. NIOSH 5506; HPLC/UV
Naphthalene	mod. NIOSH 5506; HPLC/UV
Phenanthrene	mod. NIOSH 5506; HPLC/UV
Pyrene	mod. NIOSH 5506; HPLC/UV

283772964955
Date: 12/28/24
Shipper: FEDEX
Initials: AMF



Prep: UNKNOWN

L647453

CHAIN OF CUSTODY

Samples Received in Light-Protective Material

Turnaround time (TAT)	surcharge	Client Acct No.: 28667	Report To: John Martin	Invoice To: Accounts Payable
☒ <i>amp</i> Standard	0%		Company Name: Verdantas	Company Name: Verdantas
☐ 4 Business Days	35%	Original Prep No.: PSY765194	Address 1: 186 Granite Street	Address 1: 5400 Limestone Road
☐ 3 Business Days	50%		Address 2: 3rd Floor, Suite A	Address 2:
☐ 2 Business Days	75%	Online COC No.: 312834	City, State Zip: Manchester, NH 03101	Company Name: Wilmington, DE 19808
☐ Next Day by 6pm	100%		Phone No.: 339-368-6691	Phone No.: 603-314-0820
☐ Next Day by Noon	150%		Cell No.: 617-680-9458	Email Address: ap@verdantas.com, jmartin@verdantas.com
☐ Same Day	200%		Email reports to: jmartin@verdantas.com	Comments:
			Email EDD to: jmartin@verdantas.com	P.O. No.: 31201
			Comments:	Payment info: ☐ I will call SGS to provide credit card info ☐ Card on File (enter the last five digits on the line below)

Comments:	State Sampled: ☐ MSHA
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Site Name:	Project: 31201	Sampled By:	List description of industry or Processes/Interfaces present in sampling area:
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Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Minutes in ² , cm ² , ft ²	Analysis Requested	Method Reference	Internal Notes
ALP001:AS-1:AA121724	12/17/24	Xad Tube - ORBO 43	2.0	298	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-2:AA121724	12/17/24	Xad Tube - ORBO 43	2.0	346	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-3:AA121724	12/17/24	Xad Tube - ORBO 43	1.95	341	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time	Print Name / Signature	Date	Time
Relinquished By:	<i>Garrett Peran</i>	12/27/24	1600	Received By: <i>FedEx</i>	12/27/24	1600
Relinquished By:				Received By: <i>Ava Ferreira</i>	12/28/24	938

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>



CHAIN OF CUSTODY

Comments: L/min							
Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	liters Minutes in², cm², ft²	Analysis Requested	Method Reference	Internal Notes
ALP001: AS-4:AA121724	12/17/24	Xad Tube - ORBO 43	1.925	298	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-5:AA121724	12/17/24	Xad Tube - ORBO 43	2.025	224	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-6:AA121724	12/17/24	Xad Tube - ORBO 43	2.0	270	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-1:AA121824	12/18/24	Xad Tube - ORBO 43	1.95	451	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-2:AA121824	12/18/24	Xad Tube - ORBO 43	1.95	453	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-3:AA121824	12/18/24	Xad Tube - ORBO 43	2.0	451	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-4:AA121824	12/18/24	Xad Tube - ORBO 43	2.0	448	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-5:AA121824	12/18/24	Xad Tube - ORBO 43	2.0	446	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-6:AA121824	12/18/24	Xad Tube - ORBO 43	1.95	441	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-1:AA121924	12/19/24	Xad Tube - ORBO 43	2.025	485	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Garrett Peran	12/27/24	1600	Received By:	FedEx	12/27/24	1600
Relinquished By:	1			Received By:	Ava Ferreira	12/28/24	938

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>



CHAIN OF CUSTODY

Comments: L/min							
Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	liters Minutes in², cm², ft²	Analysis Requested	Method Reference	Internal Notes
ALP001:AS-2:AA121924	12/19/24	Xad Tube - ORBO 43	2.0	385	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-3:AA121924	12/19/24	Xad Tube - ORBO 43	2.0	485	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-4:AA121924	12/19/24	Xad Tube - ORBO 43	2.025	490	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-5:AA121924	12/19/24	Xad Tube - ORBO 43	2.85	487	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-6:AA121924	12/19/24	Xad Tube - ORBO 43	2.025	486	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-1:AA122024	12/20/24	Xad Tube - ORBO 43	2.025	224	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-2:AA122024	12/20/24	Xad Tube - ORBO 43	2.0	227	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-3:AA122024	12/20/24	Xad Tube - ORBO 43	2.0	228	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-4:AA122024	12/20/24	Xad Tube - ORBO 43	2.0	231	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-5:AA122024	12/20/24	Xad Tube - ORBO 43	2.0	229	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Garett Peram	12/27/24	1600	Received By:	FedEx	12/27/24	1600
Relinquished By:				Received By:	Ava Ferreira	12/28/24	938

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>



CHAIN OF CUSTODY

Comments: L/min							
Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes in², cm², ft²	Analysis Requested	Method Reference	Internal Notes
ALP 001: AS-6-AA122024	12/20/24	Xad Tube - ORBO 43	2.0	229	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		Xad Tube - ORBO 43			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		Xad Tube - ORBO 43			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		Xad Tube - ORBO 43			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		Xad Tube - ORBO 43			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		Xad Tube - ORBO 43			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		Xad Tube - ORBO 43			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		N5506 37mm 2um PTFE			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		N5506 37mm 2um PTFE			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		N5506 37mm 2um PTFE			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Garrett Perera	12/27/24	1600	Received By:	Fel Ex	12/27/24	1600
Relinquished By:				Received By:	Ava Ferreira	12/28/24	938

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834
Prep No.: PSY765194
Account No.: 28667
Finalized: 12/13/2024 12:56:07

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CHAIN OF CUSTODY

Comments: <u>L/min</u>							
Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes in² cm², ft²	Analysis Requested	Method Reference	Internal Notes
ALP001:AS-1:AA121724	12/17/24	N5506 37mm 2um PTFE	2.0	298	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-2:AA121724	12/17/24	N5506 37mm 2um PTFE	2.0	346	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-3:AA121724	12/17/24	N5506 37mm 2um PTFE	1.95	341	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-4:AA121724	12/17/24	N5506 37mm 2um PTFE	1.925	298	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-5:AA121724	12/17/24	N5506 37mm 2um PTFE	2.025	224	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-6:AA121724	12/17/24	N5506 37mm 2um PTFE	2.0	270	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-7:AA121824	12/18/24	N5506 37mm 2um PTFE	1.95	451	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-2:AA121824	12/18/24	N5506 37mm 2um PTFE	1.95	453	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-3:AA121824	12/18/24	N5506 37mm 2um PTFE	2.0	451	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-4:AA121824	12/18/24	N5506 37mm 2um PTFE	2.0	448	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Garrett Peran	12/27/24	1600	Received By:	FedEx	12/27/24	1600
Relinquished By:				Received By:	Ava Ferreira	12/29/24	939

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>



CHAIN OF CUSTODY

Comments:							
Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes mL, cm³, ft³	Analysis Requested	Method Reference	Internal Notes
ALP001:AS-5:AA121824	12/18/24	N5506 37mm 2um PTFE	2.0	446	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-6:AA121824	12/18/24	N5506 37mm 2um PTFE	1.95	441	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-1:AA121924	12/19/24	N5506 37mm 2um PTFE	2.025	485	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-2:AA121924	12/19/24	N5506 37mm 2um PTFE	2.0	385	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-3:AA121924	12/19/24	N5506 37mm 2um PTFE	2.0	485	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-4:AA121924	12/19/24	N5506 37mm 2um PTFE	2.025	490	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-5:AA121924	12/19/24	N5506 37mm 2um PTFE	2.05	487	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-6:AA121924	12/19/24	N5506 37mm 2um PTFE	2.025	486	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-1:AA122024	12/20/24	N5506 37mm 2um PTFE	2.025	224	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001:AS-2:AA122024	12/20/24	N5506 37mm 2um PTFE	2.0	227	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Garrett Perera	12/27/24	1600	Received By:	FedEx	12/27/24	1600
Relinquished By:				Received By:	Ava Ferreira	12/28/24	934

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>



CHAIN OF CUSTODY

Comments:							
Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes in³, cm³, ft³	Analysis Requested	Method Reference	Internal Notes
ALP001: AS-3-AA122024	12/20/24	N5506 37mm 2um PTFE	2.0	228	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-4-AA122024	12/20/24	N5506 37mm 2um PTFE	2.0	231	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-5-AA122024	12/20/24	N5506 37mm 2um PTFE	2.0	229	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
ALP001: AS-6-AA122024	12/20/24	N5506 37mm 2um PTFE	2.0	229	18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		N5506 37mm 2um PTFE			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		N5506 37mm 2um PTFE			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		N5506 37mm 2um PTFE			18 PNAH Profile	mod. NIOSH 5506; HPLC/UV	
		37mm UW MCE, 3pc			Mercury, Particulate	mod. NIOSH 6009; CVAA FILTER	
		37mm UW MCE, 3pc			Mercury, Particulate	mod. NIOSH 6009; CVAA FILTER	
		37mm UW MCE, 3pc			Mercury, Particulate	mod. NIOSH 6009; CVAA FILTER	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Garrett Peran	12/27/24	1600	Received By:	Fed Ex	12/27/24	1600
Relinquished By:				Received By:	Ava Ferreira	12/28/24	938

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>



CHAIN OF CUSTODY

Comments: *sample ID assumed, sample labeled "water": amt 12/28/24

L/min

Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes in ³ , cm ³ , fl ³	Analysis Requested	Method Reference	Internal Notes
ALP001:AS-1:AA121724	12/17/24	37mm UW MCE, 3pc	2.05	75	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-2:AA121724	12/17/24	37mm UW MCE, 3pc	2.0	346	21 Metal Profile	mod. NIOSH 7303; ICP	
*ALP001:AS-3:AA121724	12/17/24	37mm UW MCE, 3pc	2.0	341	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-4:AA121724	12/17/24	37mm UW MCE, 3pc	2.0	298	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-5:AA121724	12/17/24	37mm UW MCE, 3pc	2.025	277	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-6:AA121724	12/17/24	37mm UW MCE, 3pc	2.0	270	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-7:AA121824	12/18/24	37mm UW MCE, 3pc	2.1	251	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-8:AA121824	12/18/24	37mm UW MCE, 3pc	2.0	453	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-3:AA121824	12/18/24	37mm UW MCE, 3pc	2.0	451	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-4:AA121824	12/18/24	37mm UW MCE, 3pc	1.975	448	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-5:AA121824	12/18/24	37mm UW MCE, 3pc	2.0	446	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-6:AA121824	12/18/24	37mm UW MCE, 3pc	2.0	441	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-1:AA121924	12/19/24	37mm UW MCE, 3pc	2.025	485	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-2:AA121924	12/19/24	37mm UW MCE, 3pc	2.05	485	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-3:AA121924	12/19/24	37mm UW MCE, 3pc	2.025	485	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-4:AA121924	12/19/24	37mm UW MCE, 3pc	2.0	490	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001:AS-5:AA121924	12/19/24	37mm UW MCE, 3pc	2.025	487	21 Metal Profile	mod. NIOSH 7303; ICP	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Gerrit Perum	12/27/24	1600	Received By:	Fed Ex	12/27/24	1600
Relinquished By:				Received By:	Ava Ferreira	12/28/24	938

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>



CHAIN OF CUSTODY

Comments:

Sample ID (Maximum of 20 Characters)	Date Sampled	Collection Medium	Sample Volume Sample Time Sample Area	Liters Minutes in ² , cm ² , ft ²	Analysis Requested	Method Reference	Internal Notes
ALP001: AS-6: AA121924	12/20/24	37mm UW MCE, 3pc	1.975	486	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001: AS-1: AA122024	12/20/24	37mm UW MCE, 3pc	2.025	224	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001: AS-2: AA122024	12/20/24	37mm UW MCE, 3pc	1.85	227	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001: AS-3: AA122024	12/20/24	37mm UW MCE, 3pc	2.05	228	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001: AS-4: AA122024	12/20/24	37mm UW MCE, 3pc	2.0	231	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001: AS-5: AA122024	12/20/24	37mm UW MCE, 3pc	2.0	229	21 Metal Profile	mod. NIOSH 7303; ICP	
ALP001: AS-6: AA122024	12/20/24	37mm UW MCE, 3pc	2.0	229	21 Metal Profile	mod. NIOSH 7303; ICP	

☐ If the method(s) indicated on the COC are not our routine/preferred method(s), we will substitute our routine/preferred methods. If this is not acceptable, check here to have us contact you.

Chain of Custody	Print Name / Signature	Date	Time		Print Name / Signature	Date	Time
Relinquished By:	Garrett Keran	12/27/24	1600	Received By:	Fed Ex	12/27/24	1600
Relinquished By:				Received By:	Ava Ferreira	12/24/24	934

Samples received after 3pm will be considered as next day's business.

Online COC No.: 312834

Prep No.: PSY765194

Account No.: 28667

Finalized: 12/13/2024 12:56:07

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via: <http://www.sgs.com/en/Terms-and-Conditions.aspx>

January 03, 2025

Brendan Niehaus
CT Consultants
8150 Sterling Court
Mentor, OH 44060

CLIENT PROJECT: Avon Lake Power Plant; 242143
LAB CODE: 624939-1

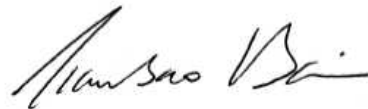
Dear Brendan,

Enclosed are fiber analysis results for PCM air samples received at our laboratory on December 26, 2024. The samples were analyzed for fibers using phase contrast microscopy (PCM) per NIOSH 7400 Method, A Rules.

The current OSHA 8-hour time weighted average permissible exposure limit (PEL) for asbestos is 0.1 f/cc and the 30 minutes excursion limit is 1 f/cc. The detection limit for the NIOSH 7400 method is 7 f/mm².

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

AIHA 103025

ASBESTOS ANALYTICAL REPORT
By: Phase Contrast Microscopy

Prepared for

CT Consultants

CLIENT PROJECT: Avon Lake Power Plant; 242143

LAB CODE: 624939-1

TEST METHOD: Fiber Count, NIOSH 7400A

REPORT DATE: 01/03/25

Client: CT Consultants
8150 Sterling Court
Mentor, OH 44060

Lab Code: 624939-1
Date Received: 12/26/24
Date Analyzed: 01/02/25
Date Reported: 01/03/25

Project: Avon Lake Power Plant; 242143

Method: ASBESTOS AND OTHER FIBERS BY PCM, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (L)	Fibers	Fields	R.L. (F/mm ²)	Density (F/mm ²)	R.L. (F/cc)	Concentration (F/cc)
D008271169	248814	864	1.5	100	7.01	BRL	0.003	BRL
D008271194	248815	694	2	100	7.01	BRL	0.004	BRL
D008269301	248816	700	1	100	7.01	BRL	0.004	BRL
D008271168	248817	594	0	100	7.01	BRL	0.005	BRL
D008271014	248818	560	1	100	7.01	BRL	0.005	BRL
D008271147	248819	536	0	100	7.01	BRL	0.005	BRL
D009334963	248820	0	0	100	7.01	BRL	---	---
D009334999	248821	0	0	100	7.01	BRL	---	---

Sample analyses have been blank corrected using customer supplied blanks.

LEGEND: R.L = Reporting Limit, BRL = Below Reporting Limit

METHOD: Fiber Count, NIOSH 7400A

LIMIT OF DETECTION: 7 fibers / mm²

REGULATORY LIMIT: OSHA Excursion Limit (EL) is 1.0 fibers per cc based on a 30 minute sample;

Eurofins Built Environment Testing East, LLC makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical results. The analyzed samples were collected by customers and the verifiability of the lab's results are limited to the reported F/mm². Interpretation of the analytical results is the sole responsibility of the client. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC. Field blanks, if submitted with the project, have been used to correct the data.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.45. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Fiber count range	5-20	21-50	51-100
Intralaboratory Sr	0.45	0.45	0.45



Samuel Parker
Analyst

DATA QA:



Roshni Patel
1/3/2025

APPROVED BY:



Tianbao Bai, Ph.D., CIH
Laboratory Director



Built Environment Testing

RES Job #: 624939

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: CT Consultants	Company: CT Consultants	Contact: Brendan Niehaus	-1 PCM Standard
Address: 8150 Sterling Court	Address: 8150 Sterling Court	Phone: (440) 951-9000	
		Fax:	
Mentor, OH 44060	Mentor, OH 44060	Cell:	
Project Number and/or P.O. #: 242143	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: Avon Lake Power Plant; 242143		brendan.niehaus@ctconsultants.com (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY					REQUESTED ANALYSIS							VALID MATRIX CODES						LAB NOTES								
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD					PLM	TEM	PCM - PCM (NIOSH 7400A)	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD	Air = A Bulk = B						OH						
														Dust = D Food = F												
CHEMISTRY LABORATORY														Paint = P Soil = S												
Dust RUSH PRIORITY STANDARD														Surface = SU Swab = SW												
Metals RUSH PRIORITY STANDARD														Tape = T Wipe = W												
														Drinking Water = DW												
Organics* SAME DAY RUSH PRIORITY STANDARD														Waste Water = WW												
														ASTM E1792 approved wipe media only												
MICROBIOLOGY LABORATORY														Sample Volume (L) / Area	Sample Temperature (°C)	Length (or Aliquots) x Width (or Area) (Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy		Time Collected hh:mm					
Viable Analysis** PRIORITY STANDARD																										
Medical Device Analysis RUSH STANDARD																										
Mold Analysis RUSH PRIORITY STANDARD																										
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.																										
Special Instructions:					PLM	TEM	PCM - PCM (NIOSH 7400A)	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD							Laboratory Analysis Instructions						
Client Sample ID Number (Sample ID's must be unique)														ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO									
1 D008271169															X								864L		A	
2 D008271194															X								694L		A	
3 D008269301															X								700L		A	
4 D008271168															X								594L		A	
5 D008271014															X								560L		A	
6 D008271147															X								536L		A	
7 D009334963															X								0L		A	
8 D009334999															X								0L		A	

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:	Date/Time: 12/26/2024 11:09:08	Sample Condition: Acceptable
Received By: 	Olivia Gardner Date/Time: 12/26/2024 11:09:08	Carrier: Fed-Ex

CT Consultants
Sample Notes

RES #: 624939
Project Number and/or P.O. #: 242143
Project Description/Location: Avon Lake Power Plant; 242143

Client Sample ID	Sample Note	Quantity	Sampler(s)
D008271169	Location #1		
D008271194	Location #2		
D008269301	Location #3		
D008271168	Location #4		
D008271014	Location #5		
D008271147	Location #6		
D009334963	Field Blank		
D009334999	Field Blank		

**CEI****CHAIN OF CUSTODY**

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708
Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code:

624939-1

ECEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: Brendan Niehaus
Company: CT Consultants	Email / Tel: brendan.niehaus@ctconsultants.com
Address: 8150 Sterling Ct.	Project Name: Avon Lake Power Plant
	Project ID#: 242143
Billing Email: steve.regovich@ctconsultants.com	PO #: 242143
Tel: (440) 951-9000	State of sample origin OH

ECEI standard terms are Net 30 days

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600/R-93/116		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☒
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD / EPA 600/R-93/116 Sec. 2.5.5.1		☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:		☐ Accept Samples ☐ Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
	11:14 12/23/24	RB	12/26 9:30

By submitting samples, you are agreeing to ECEI's Terms and Conditions.
Samples will be disposed of 30 days after analysis

Page 1 of 2



SAMPLING FORM

COMPANY CONTACT INFORMATION

Company: CT Consultants	Job Contact: Brendan Niehaus
Project Name: Avon Lake Power Plant	
Project ID #: 242143	Tel: (330)749-1261

[illegible]

January 03, 2025

Brendan Niehaus
CT Consultants
8150 Sterling Court
Mentor, OH 44060

CLIENT PROJECT: Avon Lake Power Plant
LAB CODE: 624979-1

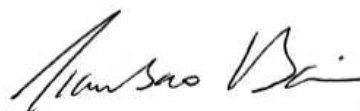
Dear Brendan,

Enclosed are fiber analysis results for PCM air samples received at our laboratory on December 26, 2024. The samples were analyzed for fibers using phase contrast microscopy (PCM) per NIOSH 7400 Method, A Rules.

The current OSHA 8-hour time weighted average permissible exposure limit (PEL) for asbestos is 0.1 f/cc and the 30 minutes excursion limit is 1 f/cc. The detection limit for the NIOSH 7400 method is 7 f/mm².

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

AIHA 103025

ASBESTOS ANALYTICAL REPORT
By: Phase Contrast Microscopy

Prepared for

CT Consultants

CLIENT PROJECT: Avon Lake Power Plant

LAB CODE: 624979-1

TEST METHOD: Fiber Count, NIOSH 7400A

REPORT DATE: 01/03/25

Client: CT Consultants
8150 Sterling Court
Mentor, OH 44060

Lab Code: 624979-1
Date Received: 12/26/24
Date Analyzed: 01/02/25
Date Reported: 01/03/25

Project: Avon Lake Power Plant

Method: ASBESTOS AND OTHER FIBERS BY PCM, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (L)	Fibers	Fields	R.L. (F/mm ²)	Density (F/mm ²)	R.L. (F/cc)	Concentration (F/cc)
D008271052	248848	884	0.5	100	7.01	BRL	0.003	BRL
D008281121	248849	910	2.5	100	7.01	BRL	0.003	BRL
D008291241	248850	918	1	100	7.01	BRL	0.003	BRL
D008301232	248851	910	0.5	100	7.01	BRL	0.003	BRL
D008311068	248852	902	0	100	7.01	BRL	0.003	BRL
D008321000	248853	888	0	100	7.01	BRL	0.003	BRL
D009392809	248854	0	0	100	7.01	BRL	---	---
D009392899	248855	0	0	100	7.01	BRL	---	---

Sample analyses have been blank corrected using customer supplied blanks.

LEGEND: R.L = Reporting Limit, BRL = Below Reporting Limit

METHOD: Fiber Count, NIOSH 7400A

LIMIT OF DETECTION: 7 fibers / mm²

REGULATORY LIMIT: OSHA Excursion Limit (EL) is 1.0 fibers per cc based on a 30 minute sample;

Eurofins Built Environment Testing East, LLC makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical results. The analyzed samples were collected by customers and the verifiability of the lab's results are limited to the reported F/mm². Interpretation of the analytical results is the sole responsibility of the client. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC. Field blanks, if submitted with the project, have been used to correct the data.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.45. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Fiber count range	5-20	21-50	51-100
Intralaboratory Sr	0.45	0.45	0.45



Samuel Parker
Analyst

DATA QA:



Roshni Patel
1/3/2025

APPROVED BY:



Tianbao Bai, Ph.D., CIH
Laboratory Director



Built Environment Testing

RES Job #: 624979

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: CT Consultants	Company: CT Consultants	Contact: Brendan Niehaus	-1 PCM Standard
Address: 8150 Sterling Court	Address: 8150 Sterling Court	Phone: (440) 951-9000	
		Fax:	
Mentor, OH 44060	Mentor, OH 44060	Cell:	
Project Number and/or P.O. #: 242143	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: Avon Lake Power Plant		brendan.niehaus@ctconsultants.com (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY					REQUESTED ANALYSIS							VALID MATRIX CODES						LAB NOTES		
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD					PLM	TEM	PCM - PCM (NIOSH 7400A)	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD	Air = A Bulk = B Dust = D Food = F Paint = P Soil = S Surface = SU Swab = SW Tape = T Wipe = W Drinking Water = DW Waste Water = WW **ASTM E1792 approved wipe media only**						Laboratory Analysis Instructions
CHEMISTRY LABORATORY																				
Dust RUSH PRIORITY STANDARD																				
Metals RUSH PRIORITY STANDARD																				
Organics* SAME DAY RUSH PRIORITY STANDARD																				
MICROBIOLOGY LABORATORY																				
Viable Analysis** PRIORITY STANDARD																				
Medical Device Analysis RUSH STANDARD																				
Mold Analysis RUSH PRIORITY STANDARD																				
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.																				
Special Instructions:																				
Client Sample ID Number (Sample ID's must be unique)					ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO												
1 D008271052						X								884L		A				
2 D008281121						X								910L		A				
3 D008291241						X								918L		A				
4 D008301232						X								910L		A				
5 D008311068						X								902L		A				
6 D008321000						X								888L		A				
7 D009392809						X								0L		A				
8 D009392899						X								0L		A				

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:	Date/Time: 12/26/2024 15:37:02	Sample Condition: Acceptable
Received By: 	Date/Time: 12/26/2024 15:37:02	Carrier: Fed-Ex

CT Consultants
Sample Notes

RES #: 624979
Project Number and/or P.O. #: 242143
Project Description/Location: Avon Lake Power Plant

Client Sample ID	Sample Note	Quantity	Sampler(s)
D008271052	Location #1		
D008281121	Location #2		
D008291241	Location #3		
D008301232	Location #5		
D008311068	Location #6		
D008321000	Location #7		
D009392809	Field Blank		
D009392899	Field Blank		



CEI

CHAIN OF CUSTODY

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708
Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code:

ECEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: Brendan Niehaus
Company: CT Consultants	Email / Tel: brendan.niehaus@ctconsultants.com
Address: 8150 Sterling Ct.	Project Name: Avon Lake Power Plant
	Project ID#: 242143
Billing Email: steve.regovich@ctconsultants.com	PO #: 242143
Tel: (440) 951-9000	State of sample origin OH

ECEI standard terms are Net 30 days

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600/R-93/116		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☒
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD / EPA 600/R-93/116 Sec. 2.5.5.1		☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:

- ☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
	11-16 12/23/24	PB	12/26 9:30

By submitting samples, you are agreeing to ECEI's Terms and Conditions.

Samples will be disposed of 30 days after analysis

Page 1 of 3



COMPANY CONTACT INFORMATION	
Company: CT Consultants	Job Contact: Brendan Niehaus
Project Name: Avon Lake Power Plant	
Project ID #: 242143	Tel: (330)749-1261

[illegible]

January 03, 2025

Brendan Niehaus
CT Consultants
8150 Sterling Court
Mentor, OH 44060

CLIENT PROJECT: Avon Lake Power Plant
LAB CODE: 624967-1

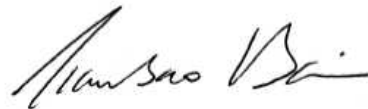
Dear Brendan,

Enclosed are fiber analysis results for PCM air samples received at our laboratory on December 26, 2024. The samples were analyzed for fibers using phase contrast microscopy (PCM) per NIOSH 7400 Method, A Rules.

The current OSHA 8-hour time weighted average permissible exposure limit (PEL) for asbestos is 0.1 f/cc and the 30 minutes excursion limit is 1 f/cc. The detection limit for the NIOSH 7400 method is 7 f/mm².

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

AIHA 103025

ASBESTOS ANALYTICAL REPORT
By: Phase Contrast Microscopy

Prepared for

CT Consultants

CLIENT PROJECT: Avon Lake Power Plant

LAB CODE: 624967-1

TEST METHOD: Fiber Count, NIOSH 7400A

REPORT DATE: 01/03/25

Client: CT Consultants
8150 Sterling Court
Mentor, OH 44060

Lab Code: 624967-1
Date Received: 12/26/24
Date Analyzed: 01/03/25
Date Reported: 01/03/25

Project: Avon Lake Power Plant

Method: ASBESTOS AND OTHER FIBERS BY PCM, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (L)	Fibers	Fields	R.L. (F/mm ²)	Density (F/mm ²)	R.L. (F/cc)	Concentration (F/cc)
D008269393	248834	398	2	100	7.01	BRL	0.007	BRL
D008271192	248835	398	1	100	7.01	BRL	0.007	BRL
D008271053	248836	392	1	100	7.01	BRL	0.007	BRL
D008271200	248837	386	0	100	7.01	BRL	0.007	BRL
D008269370	248838	376	0	100	7.01	BRL	0.007	BRL
D008269429	248839	366	0	100	7.01	BRL	0.007	BRL
D0082693685 (Labeled as D008269385)	248840	568	1.5	100	7.01	BRL	0.005	BRL
D009334954	248841	568	1	100	7.01	BRL	0.005	BRL
D009334977	248842	570	0	100	7.01	BRL	0.005	BRL
D009335028	248843	598	0	100	7.01	BRL	0.005	BRL
D009334979	248844	600	1.5	100	7.01	BRL	0.004	BRL
D009333763	248845	606	0	100	7.01	BRL	0.004	BRL
D009392872	248846	0	0	100	7.01	BRL	---	---
D00933763 (Labeled as D009392811)	248847	0	0	100	7.01	BRL	---	---

Sample analyses have been blank corrected using customer supplied blanks.

LEGEND: R.L = Reporting Limit, BRL = Below Reporting Limit

METHOD: Fiber Count, NIOSH 7400A

LIMIT OF DETECTION: 7 fibers / mm²

REGULATORY LIMIT: OSHA Excursion Limit (EL) is 1.0 fibers per cc based on a 30 minute sample;

Eurofins Built Environment Testing East, LLC makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical results. The analyzed samples were collected by customers and the verifiability of the lab's results are limited to the reported F/mm². Interpretation of the analytical results is the sole responsibility of the client. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC. Field blanks, if submitted with the project, have been used to correct the data.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.45. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Fiber count range	5-20	21-50	51-100
Intralaboratory Sr	0.45	0.45	0.45



Samuel Parker
Analyst

DATA QA:



Roshni Patel
1/3/2025

APPROVED BY:



Tianbao Bai, Ph.D., CIH
Laboratory Director



Built Environment Testing

RES Job #: 624967

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: CT Consultants	Company: CT Consultants	Contact: Brendan Niehaus	-1 PCM Standard
Address: 8150 Sterling Court	Address: 8150 Sterling Court	Phone: (440) 951-9000	
		Fax:	
Mentor, OH 44060	Mentor, OH 44060	Cell:	
Project Number and/or P.O. #: 242143	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: Avon Lake Power Plant		brendan.niehaus@ctconsultants.com (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY					REQUESTED ANALYSIS							VALID MATRIX CODES						LAB NOTES			
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD					PLM	TEM	PCM - PCM (NIOSH 7400A)	DUST	METALS	ORGANICS	VIABLES	MEDICAL	MOLD	Air = A Bulk = B						OH	
														Dust = D Food = F							
CHEMISTRY LABORATORY														Paint = P Soil = S							
Dust RUSH PRIORITY STANDARD														Surface = SU Swab = SW							
Metals RUSH PRIORITY STANDARD														Tape = T Wipe = W							
														Drinking Water = DW							
														Waste Water = WW							
Organics* SAME DAY RUSH PRIORITY STANDARD														**ASTM E1792 approved wipe media only**							
MICROBIOLOGY LABORATORY																					
Viable Analysis** PRIORITY STANDARD																					
					Sample Volume (L) / Area	Sample Temperature (°C)	Length(or Aliquots) x Width(or Area)(Aliquot)	Matrix Code	# of Containers	Date Collected mm/dd/yy	Time Collected hh:mm	Laboratory Analysis Instructions									
**TAT DEPENDENT ON SPEED OF MICROBIAL GROWTH																					
Medical Device Analysis RUSH STANDARD																					
Mold Analysis RUSH PRIORITY STANDARD																					
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.																					
Special Instructions:																					
Client Sample ID Number (Sample ID's must be unique)													ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO					
1 D008269393														X				398L		A	
2 D008271192														X				398L		A	
3 D008271053														X				392L		A	
4 D008271200						X				386L		A									
5 D008269370						X				376L		A									
6 D008269429						X				366L		A									
7 D0082693685						X				568L		A									
8 D009334954						X				568L		A									
9 D009334977						X				570L		A									
10 D009335028						X				598L		A									
11 D009334979						X				600L		A									
12 D009333763						X				606L		A									
13 D009392872						X				0L		A									

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:	Date/Time: 12/26/2024 14:50:18	Sample Condition: Acceptable
Received By:  Samuel Parker	Date/Time: 12/26/2024 14:50:18	Carrier: Fed-Ex

Submitted By: **CT Consultants**

Client Sample ID Number	(Sample ID's must be unique)
14 D00933763	

**CT Consultants
Sample Locations**

RES #: 624967
Project Number and/or P.O. #: 242143
Project Description/Location: Avon Lake Power Plant

Client Sample ID	Sample Location
D008269393	Location #1
D008271192	Location #2
D008271053	Location #3
D008271200	Location #4
D008269370	Location #5
D008269429	Location #6
D0082693685	Location #1
D009334954	Location #2
D009334977	Location #3
D009335028	Location #4
D009334979	Location #5
D009333763	Location #6
D009392872	Field Blank
D00933763	Field Blank



CEI

CHAIN OF CUSTODY

(14)

2752 Pleasant Rd. Suite 100A Fort Mill, SC 29708
Tel: 803-526-5146; Fax: 919-481-1442

ECEI Lab Code:

ECEI Lab I.D. Range:

624967

COMPANY INFORMATION	PROJECT INFORMATION
ECEI CLIENT #:	Job Contact: Brendan Niehaus
Company: CT Consultants	Email / Tel: brendan.niehaus@ctconsultants.com
Address: 8150 Sterling Ct.	Project Name: Avon Lake Power Plant
	Project ID#: 242143
Billing Email: steve.regovich@ctconsultants.com	PO #: 242143
Tel: (440) 951-9000	State of sample origin OH

ECEI standard terms are Net 30 days

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600/R-93/116	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600/R-93/116		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☒
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD / EPA 600/R-93/116 Sec. 2.5.5.1		☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:		☒ Accept Samples ☐ Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
	11:17 12/23/24	RB	12/26 9:30

By submitting samples, you are agreeing to ECEI's Terms and Conditions.
Samples will be disposed of 30 days after analysis

Page 1 of 2



SAMPLING FORM

COMPANY CONTACT INFORMATION

Company: CT Consultants	Job Contact: Brendan Niehaus
Project Name: Avon Lake Power Plant	
Project ID #: 242143	Tel: (330)749-1261

[illegible]

January 03, 2025

Brendan Niehaus
CT Consultants
8150 Sterling Court
Mentor, OH 44060

CLIENT PROJECT: Avon Lake Power Plant
LAB CODE: 624980-1

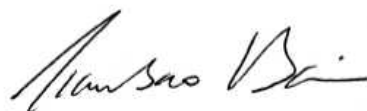
Dear Brendan,

Enclosed are fiber analysis results for PCM air samples received at our laboratory on December 26, 2024. The samples were analyzed for fibers using phase contrast microscopy (PCM) per NIOSH 7400 Method, A Rules.

The current OSHA 8-hour time weighted average permissible exposure limit (PEL) for asbestos is 0.1 f/cc and the 30 minutes excursion limit is 1 f/cc. The detection limit for the NIOSH 7400 method is 7 f/mm².

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

AIHA 103025

ASBESTOS ANALYTICAL REPORT
By: Phase Contrast Microscopy

Prepared for

CT Consultants

CLIENT PROJECT: Avon Lake Power Plant

LAB CODE: 624980-1

TEST METHOD: Fiber Count, NIOSH 7400A

REPORT DATE: 01/03/25

Client: CT Consultants
8150 Sterling Court
Mentor, OH 44060

Lab Code: 624980-1
Date Received: 12/26/24
Date Analyzed: 01/02/25
Date Reported: 01/03/25

Project: Avon Lake Power Plant

Method: ASBESTOS AND OTHER FIBERS BY PCM, NIOSH 7400 METHOD

Client ID	Lab ID	Volume (L)	Fibers	Fields	R.L. (F/mm ²)	Density (F/mm ²)	R.L. (F/cc)	Concentration (F/cc)
D009333531	248856	454	0.5	100	7.01	BRL	0.006	BRL
D009392901	248857	456	0.5	100	7.01	BRL	0.006	BRL
D009392978	248858	456	1	100	7.01	BRL	0.006	BRL
D009392942	248859	460	1.5	100	7.01	BRL	0.006	BRL
D009392861	248860	460	2	100	7.01	BRL	0.006	BRL
D009334983	248861	462	0	100	7.01	BRL	0.006	BRL
D009392821	248862	0	0.5	100	7.01	BRL	---	---
D009392862	248863	0	0	100	7.01	BRL	---	---

Sample analyses have been blank corrected using customer supplied blanks.

LEGEND: R.L = Reporting Limit, BRL = Below Reporting Limit

METHOD: Fiber Count, NIOSH 7400A

LIMIT OF DETECTION: 7 fibers / mm²

REGULATORY LIMIT: OSHA Excursion Limit (EL) is 1.0 fibers per cc based on a 30 minute sample;

Eurofins Built Environment Testing East, LLC makes no warranty representation regarding the accuracy of customer submitted information in preparing and presenting analytical results. The analyzed samples were collected by customers and the verifiability of the lab's results are limited to the reported F/mm². Interpretation of the analytical results is the sole responsibility of the client. This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins Built Environment Testing East, LLC. Field blanks, if submitted with the project, have been used to correct the data.

The overall intralaboratory relative standard deviation (Sr) for the lab = 0.45. Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

Fiber count range	5-20	21-50	51-100
Intralaboratory Sr	0.45	0.45	0.45



Samuel Parker
Analyst

DATA QA:



Roshni Patel
1/3/2025

APPROVED BY:



Tianbao Bai, Ph.D., CIH
Laboratory Director



Built Environment Testing

RES Job #: 624980

SUBMITTED BY	INVOICE TO	CONTACT INFORMATION	SERIES
Company: CT Consultants	Company: CT Consultants	Contact: Brendan Niehaus	-1 PCM Standard
Address: 8150 Sterling Court	Address: 8150 Sterling Court	Phone: (440) 951-9000	
		Fax:	
Mentor, OH 44060	Mentor, OH 44060	Cell:	
Project Number and/or P.O. #: 242143	Project Zip Code:	Final Data Deliverable Email Address:	
Project Description/Location: Avon Lake Power Plant		brendan.niehaus@ctconsultants.com (+ 1 ADDNL. CONTACTS)	

ASBESTOS LABORATORY	REQUESTED ANALYSIS							VALID MATRIX CODES	LAB NOTES
PLM / PCM / TEM DTL RUSH PRIORITY STANDARD								Air = A Bulk = B	OH
								Dust = D Food = F	
								Paint = P Soil = S	
								Surface = SU Swab = SW	
								Tape = T Wipe = W	
CHEMISTRY LABORATORY								Drinking Water = DW	Laboratory Analysis Instructions
Dust RUSH PRIORITY STANDARD								Waste Water = WW	
Metals RUSH PRIORITY STANDARD								**ASTM E1792 approved wipe media only**	
Organics* SAME DAY RUSH PRIORITY STANDARD									
MICROBIOLOGY LABORATORY									
Viable Analysis** PRIORITY STANDARD									
Medical Device Analysis RUSH STANDARD									
Mold Analysis RUSH PRIORITY STANDARD									
Turnaround times establish a laboratory priority, subject to laboratory volume and are not guaranteed. Additional fees apply for afterhours, weekends and holidays.									
Special Instructions:									
Client Sample ID Number (Sample ID's must be unique)	ASBESTOS	CHEMISTRY	MICROBIOLOGY	ICO					
1 D009333531		X						454L	
2 D009392901		X						456L	
3 D009392978		X						456L	
4 D009392942		X						460L	
5 D009392861		X						460L	
6 D009334983		X						462L	
7 D009392821		X						0L	
8 D009392862		X						0L	

Eurofins Built Environment Testing East, LLC establishes a unique Lab Sample ID, for each sample, by preceding each unique Client Sample ID with the laboratory RES Job Number.

Eurofins Built Environment Testing East, LLC will analyze incoming samples based on information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing, client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days. Failure to comply with payment terms may result in a 1.5% monthly interest surcharge.

Relinquished By:	Date/Time: 12/26/2024 15:42:04	Sample Condition: Acceptable
Received By: 	Roshni Patel Date/Time: 12/26/2024 15:42:04	Carrier: Fed-Ex

CT Consultants
Sample Notes

RES #: 624980
Project Number and/or P.O. #: 242143
Project Description/Location: Avon Lake Power Plant

Client Sample ID	Sample Note	Quantity	Sampler(s)
D009333531	Location #1		
D009392901	Location #2		
D009392978	Location #3		
D009392942	Location #4		
D009392861	Location #5		
D009334983	Location #6		
D009392821	Field Blank		
D009392862	Field Blank		