FACS
Forensic Analytical Consulting Services

January 16, 2019

Environmental Health Services: Findings of Air and Surface Sampling

Santa Monica/Malibu Unified School District:
Webster Elementary School
Point Dume Elementary School
Juan Cabrillo Elementary School
Malibu High School

Prepared for:

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Prepared By:

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FACS Project #PJ40408

Contents

Introduction

Forensic Analytical Consulting Services (FACS) was retained by Santa Monica/Malibu Unified School District to assess potential exposures to polycyclic aromatic hydrocarbons (PAHs) at the Malibu school campuses. Campuses assessed included: Webster Elementary School, Point Dume Elementary School, Juan Cabrillo Elementary School, and Malibu High School. The request was made as part of the large-scale wildfire smoke impact evaluation following the Woolsey Fire. The assessment was performed on January 3 and 6, 2019. This report contains the findings and recommendations from our investigation. The purpose of the investigation was to assist in determining if burned debris of neighboring homes caused by the Woolsey Fire is contributing to above background levels of PAHs at the subject campuses.

The findings contained in this report are based solely on the results of sample analysis and on-site observations from the assessment date listed. Additional sites or agents not discussed in this report are not represented.

Site Characterization

Webster, Point Dume, and Juan Cabrillo are all elementary schools located in residential neighborhoods in Malibu, CA. Campuses include several standalone buildings that house various classrooms, office spaces, and restrooms. The majority of rooms are equipped with their own heating ventilation and air conditioning units.

Malibu High School is located in a residential neighborhood in Malibu, CA, and is directly adjacent to Juan Cabrillo Elementary School. The campus includes several standalone buildings that house various classrooms, office spaces, and restrooms. The campus also includes a pool, tennis courts, football field and track field. The majority of rooms are equipped with their own heating ventilation and air conditioning units.

Scope of Work

In the course of this project, FACS conducted the following scope of work:

1. Development of site characterizations (see sections above)
2. Development of room characterization (limited to rooms assessed)
3. Collection of air samples for PAHs. Analysis included a scan of 18 PAHs.
4. Collection of surfaces samples for PAHs. Analysis included a scan of 16 PAHs.

Data collection methodologies are described in Appendix A. The date collected in the course of the investigation is presented in this report as follows:

- Appendix B: Results Table

Results and Discussion

Background

Polycyclic aromatic hydrocarbons (PAHs) are a group of more than 100 chemicals that are released from burning coal, oil, cigarettes, gasoline, trash, tobacco, and wood. High-temperature cooking, such as grilling, will form PAHs in meat and other foods. Manufactured PAHs may be used in medicines and pesticides. When generated, PAHs can bind to or form small particles in the air that may eventually settle onto surfaces.

Exposure routes for PAHs include inhalation, ingestion and skin contact.

Results for surface and air samples collected during the assessment were compared to health-based benchmarks established in the "World Trade Center Indoor Air Assessment: Selecting Contaminants of Potential Concern and Setting Health-Based Benchmarks" document, dated April 2003, Appendix A. The document utilized a tiered approach to evaluate the health risks posed by contaminants that might be present in the indoor environment (air and settled dust). With regard to PAHs, the table below is identified as Table 5 in the abovementioned document.

Tier	Action	PAHs (settled dust)		PAHs (indoor air)	
		Level	Basis	Level	Basis
I	Aggressive cleaning. If levels persist, take additional action to reduce exposure.	>9 mg/m^2	9 mg/m^2 represents a $1x10^{-4}$ risk estimate for a 1-year exposure	>6 $\mu g/m^3$	6 $\mu g/m^3$ represents a $1x10^{-4}$ risk estimate for a 1-year exposure
II	Maintain recommended cleaning methods. Consider additional monitoring.	9 mg/m^2 to 0.3 mg/m^2 (or background)	0.3 mg/m^2 represents a $1x10^{-4}$ risk estimate for a 30-year exposure	6 $\mu g/m^3$ to 0.2 $\mu g/m^3$ (or background)	0.2 $\mu g/m^3$ represents a $1x10^{-4}$ risk estimate for a 30-year exposure
III	No further action	<0.03 mg/m^2 (or background)	Level could also be set at that found in background, or unaffected, areas, so that no increase in risk due to PAHs would be expected.	0.2 $\mu g/m^3$ (or background)	Level could also be set at that found in background, or unaffected, areas, so that no increase in risk due to PAHs would be expected.

Surface Sample Results

Surface samples for PAHs were collected in select rooms at the subject schools in addition to outdoor locations. Samples were collected on non-porous “hard” surfaces in locations where visible dust was identified. In the laboratory, samples were analyzed for a scan of 16 compounds (see laboratory report in Appendix B for specific compounds).

Sample results did not indicate the presence of any PAHs above the laboratory detection limit (0.2 $\mu g/100\ cm^2$; 0.0002 mg/m^2). When the detection limits were compared to the WTC Background Study Report, results were determined to be in Tier III; similar to background

Air Sample Results

Air samples for PAHs were collected in select rooms at the subject schools, in addition to outdoor locations. In the laboratory, samples were analyzed for a scan of 18 compounds (see laboratory report in Appendix B for specific compounds).

Measurable levels were identified in three of the samples collected. Locations and results are as follows:

- Malibu High School; room 303 (music room) = Naphthalene was found at a concentration of 0.2 $\mu g\ /m^3$, consistent with Tier III (background levels). Sources of naphthalene, not already noted above includes: mothballs, PVC, insecticides (insect killing chemicals), dyes, and toilet deodorant blocks.
- Malibu High School; room 102 (science lab) = Acenaphthene was found at a concentration of 4.8 $\mu g\ /m^3$; consistent with Tier II. Sources of acenaphthene, not already noted above includes: dyes, plastics, insecticides and fungicides.

- Webster Elementary School; room 22 (classroom) = Naphthalene was found at a concentration of 0.3 µg/m^3; slightly above Tier III and considered similar to background levels.

For all other interior locations, sample results did not indicate the presence of any PAHs above the laboratory detection limit. When the detection limits were compared to the WTC Background Study Report, results were determined to be in Tier III; similar to background.

No measurable levels were identified at the exterior samples collected. When the detection limits were compared to the WTC Background Study Report, results were determined to be in Tier III; similar to background.

Conclusions

Based on assessment findings, elevated levels of PAHs in the air and on settled surfaces due to the burned debris of neighboring homes is not suspected at this time. This conclusion is based on exterior results which indicated no measurable levels identified in the air samples and result of interior surfaces and air sample results, which indicated levels similar to background levels with the exception of one location. Air sample results from Malibu High School; room 102 (science lab), indicated levels of acenaphthene above general background levels; however, surface sample results collected from the room did not indicate any measurable levels of acenaphthene on the sampled surface. As noted above acenaphthene can be produced during incomplete combustion, but is also found in various dyes, plastics, insecticides and fungicides. The specific source is unknown. However, based on results of all surface and sampling conducted at the various campuses, the main source is not suspected to be due to the burned debris at neighboring homes.

Limitations

This investigation is limited to the conditions and practices observed and information made available to FACS. The methods, conclusions and recommendations provided are based on FACS' judgment, expertise and the standard of practice for professional service. They are subject to the limitations and variability inherent in the methodology employed. As with all environmental investigations, this investigation is limited to the defined scope and does not purport to set forth all hazards, nor indicate that other hazards do not exist.

Please do not hesitate to contact our offices at 310-668-5600 with any questions or concerns. Thank you for the opportunity to assist Santa Monica/Malibu Unified School District in promoting a more healthful environment.

Respectfully,
FORENSIC ANALYTICAL

Michelle Rosales

Michelle Rosales MPH, CIH

Appendix A
Data Collection Methods

PAH Surface Samples. Samples were collected by wiping hard (non-porous) surfaces with a sterile alcohol wipe. A 10 cm x 10 cm (100 cm^2) template area was wiped for each sample location. The wipe samples were sealed in labeled glass vials with unique samples numbers and information recorded on field chain of custody forms. The samples were promptly delivered to the laboratory (EFI Global in Rocklin, CA) for PAH analysis. In the laboratory, the wipe samples are extracted with a high purity solvent and analyzed by Gas Chromatograph/Mass Spectroscopy (GC/MS) with an Agilent 5975 MSD instrument. Component identification is made by external standards and/or NIST computer library search. Results were provided in micrograms per 100-centimeter square (µg/100 cm^2).

PAH Air Samples. Samples were collected in accordance with modified NIOSH Method 5506, using a low-volume air sampling pump affixed to a filter (37-mm, 2-µm) and sorbent tube (PTFE + washed XAD-2, 100 mg/50 mg) at a flow rate of approximately 2.0 - 2.3 liters per minute. Flow rates were calibrated in line using a Dry-Cal calibrator. Samples were labeled using a unique identification number and shipped under Chain of Custody to an AIHA accredited analytical laboratory (SGS Galson in East Syracuse, NY). In the laboratory, samples were analyzed in accordance with modified NIOSH Method 5506 (High Performance Liquid Chromatography/Ultraviolet (HPLC/UV)). Results were provided in milligram per cubic meter (mg/m^3) and converted into micrograms per cubic meter (µg/m^3) for comparison purposes.

Appendix B
Sample Result Summary & Laboratory Report

Sampling results are summarized in the table below. Supporting laboratory reports and chain of custody forms are attached in the pages that follow in order of laboratory report number.

School	Room	Use	Air Results[a,b] ($\mu g/m^3$)	Surface Results[a,c] (mg/m^2)	Notes
Webster	Administration	Offices	<0.3	<0.0002	
Webster	Auditorium	Auditorium	<0.3	<0.0002	
Webster	Room 4	Classroom	<0.3	<0.0002	
Webster	Room 11	Classroom	<0.3	<0.0002	
Webster	Room 22	Classroom	0.4	<0.0002	
Webster	Exterior Location	Exterior	<0.3	NA	For comparison purposes
Webster	Exterior Location	Exterior	<0.3	NA	For comparison purposes
Point Dume	Library	Library	<0.3	<0.0002	
Point Dume	Room 1	Classroom	<0.3	<0.0002	
Point Dume	Room 5	Classroom	<0.3	<0.0002	
Point Dume	Room 12	Offices	<0.3	<0.0002	
Point Dume	Room 16	Music Room	<0.3	<0.0002	
Point Dume	Exterior Location	Exterior	<0.3	NA	For comparison purposes
Juan Cabrillo	Library	Library	<0.4	<0.0002	
Juan Cabrillo	Cottage B	Lounge	<0.4	<0.0002	
Juan Cabrillo	Room 3	Classroom	NA	<0.0002	
Juan Cabrillo	Room 10	Classroom	<0.4	<0.0002	
Juan Cabrillo	Room 12	Classroom	<0.4	<0.0002	
Juan Cabrillo	Room 19	Classroom	<0.3	<0.0002	
Juan Cabrillo	Exterior Location	Exterior	<0.4	NA	For comparison purposes
Juan Cabrillo	Exterior Location	Exterior	<0.4	NA	For comparison purposes
Malibu High School	Auditorium	Auditorium	<0.3	NA	
Malibu High School	Room 102	Science Lab	4.8	<0.0002	Gas nozzles
Malibu High School	Room 212	Computer Lab	<0.3	NA	

School	Room	Use	Air Results[a,b] ($\mu g/m^3$)	Surface Results[a,c] (mg/m^2)	Notes
Malibu High School	Room 303	Music Room	0.2	<0.0002	
Malibu High School	Room 402	Computer Lab	<0.4	NA	
Malibu High School	Room 601	Lounge	<0.4	<0.0002	
Malibu High School	Room 626	Lab	NA	<0.0002	Bunsen burners, hot plates, door open

[a] Highest detection limit noted; analysis included a scan of 18 PAHs for airs and scan of 16 PAHs for surfaces
[b] Results converted from milligrams per cubic meter (mg/m^3) to micrograms per cubic meter ($\mu g/m^3$) for comparison
[c] Results converted from micrograms per 100-centimeter square (µg/100cm2) to milligrams per meter square (mg/m^2) for comparison purposes
NA Not applicable

EFI Global, Inc.
555 Menlo Dr., Suite D
Rocklin, CA 95765
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Tel: 916-797-1503
Fax: 916-797-1114
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January 8, 2019

Michelle Rosales
Forensic Analytical Consulting Services, Inc.
2959 Pacific Commerce Drive
Rancho Dominguez CA 90221

RE: MALIBU LOSS: PAH SAMPLES

Insured:	Unknown
Incident Location:	Malibu, CA
Date of Inspection:	1-4-19
Date Received:	1-7-19
FACS Job Number:	PJ40408
EFI Global File No:	9460523772

At your request, EFI Global Inc. (EFI) has tested samples collected for the assessment of Polycyclic Aromatic Hydrocarbons (PAH) at the location listed above. The intent of the assessment was to determine if measurable levels of PAH contamination were present at the property.

Analytical Results

Wipe Samples

Ten wipes and one control sample were collected from the residence: A list of the samples collected and locations is shown on the attached Chain of Custody form.

The results of the chemicals analyses for Polycyclic Aromatic Hydrocarbons (PAH) are listed below. No measurable levels of PAH were detected.

WIPE SAMPLE TEST RESULTS
PJ40408

COMPOUND	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
	JC-LIBRARY	JC-RM10	JC-RM3	JC-RM12	JC-RM19
Naphthalene	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND
Benz(a)anthracene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND
Diben(a,h)anthracene	ND	ND	ND	ND	ND
Benzo(g,h)perylene	ND	ND	ND	ND	ND
* None Detected: Estimated limit of detection = 0.2ug/100cm2					

COMPOUND	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
	JC-CB	MHS-102	MHS-601	MHS-303	MHS-626
Naphthalene	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND
Benz(a)anthracene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND
Diben(a,h)anthracene	ND	ND	ND	ND	ND
Benzo(g,h)perylene	ND	ND	ND	ND	ND
* None Detected: Estimated limit of detection = 0.2ug/100cm2					

Conclusions

No measurable levels of PAH compounds were detected in the samples tested.

Thank you for this opportunity to serve you. EFI will retain the samples for 30 days and then dispose of them unless otherwise requested by you. Please feel free to call our offices if you have any questions or if we can be of any additional assistance.

Respectfully submitted,
EFI Global

David J. Brien
Senior Chemist
IAQA #1199

48 hour RUSH

EFI Global
Engineering, Fire & Environmental Services

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SOOT/CHAR AND SMOKE SAMPLING: CHAIN OF CUSTODY FORM

Job No: PJ40408 Client: MHS & JC

Insured: Loss Location: Malibu

Date Sampled: 1/3/19

Sampled By: C.K & S.A Weather: clear

Email: mrsales@forensicanalytical.com Phone: 818-388-3243

Sample	Sample Description	Notes	Time
JC-Library	Table - North center	629-06	
JC-RM10	Table - North west	629-09	
JC-RM3	Cvey adj. to entry	629-10	
JC-RM12	Counter - West	629-11	
JC-R19	Table - North	629-12	
JC-CB	Table - West	629-13	
MHS-102	Table - Center	629-14	
MHS-601	counter adj. to entry	629-15	
MHS-303	Table - Center	629-16	
MHS-626	Table - Center	629-17	
Blank	Blank	629-18	

Test Codes:

S	Surface sample, tape lift (for microscopic exam)	O	Other (please specify)
B	Bulk sample (microcope of PAH – specify)		
(W)	Wipe sample (for PAH analysis)		

Chain of Custody:

	Date	By (Print)	Signature
Released	1/4/19	Chris Kim	Chris Kim
Received	1-7-19	David Brien	David Brien
Released			
Received			
Released			
Received			
Released			

EFI Global, Inc.
555 Menlo Dr., Suite D
Rocklin, CA 95765
Tf: 800-776-5932
Tel: 916-797-1503
Fax: 916-797-1114
www.efiglobal.com

January 9, 2019

Michelle Rosales
Forensic Analytical Consulting Services, Inc.
2959 Pacific Commerce Drive
Rancho Dominguez CA 90221

RE: MALIBU LOSS: PAH SAMPLES

Insured:	WES and PD
Incident Location:	Malibu, CA
Date of Inspection:	1-7-19
Date Received:	1-8-19
FACS Job Number:	PJ40408
EFI Global File No:	9460523772-b

At your request, EFI Global Inc. (EFI) has tested samples collected for the assessment of Polycyclic Aromatic Hydrocarbons (PAH) at the location listed above. The intent of the assessment was to determine if measurable levels of PAH contamination were present.

Analytical Results

Wipe Samples

Ten wipes samples were collected from the property: A list of the samples collected and locations is shown on the attached Chain of Custody form.

The results of the chemicals analyses for Polycyclic Aromatic Hydrocarbons (PAH) are listed below. No measurable levels of PAH were detected.

WIPE SAMPLE TEST RESULTS
PJ40408 (Continued)

COMPOUND	SAMPLE WES ADMIN	SAMPLE WES AUD	SAMPLE WES RM 4	SAMPLE WES RM 11	SAMPLE WES RM 22
Naphthalene	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND
Benz(a)anthracene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND
Diben(a,h)anthracene	ND	ND	ND	ND	ND
Benzo(g,h)perylene	ND	ND	ND	ND	ND
* None Detected: Estimated limit of detection = 0.2ug/100cm2					

COMPOUND	SAMPLE PD RM 1	SAMPLE PD RM 5	SAMPLE PD K1	SAMPLE PD L	SAMPLE PD RM 12
Naphthalene	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND
Benz(a)anthracene	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND
Diben(a,h)anthracene	ND	ND	ND	ND	ND
Benzo(g,h)perylene	ND	ND	ND	ND	ND
* None Detected: Estimated limit of detection = 0.2ug/100cm2					

Conclusions

No measurable levels of PAH compounds were detected in the samples tested.

Thank you for this opportunity to serve you. EFI will retain the samples for 30 days and then dispose of them unless otherwise requested by you. Please feel free to call our offices if you have any questions or if we can be of any additional assistance.

Respectfully submitted,
EFI Global

David J. Brien
Senior Chemist
IAQA #1199

EFI Global
Engineering, Fire & Environmental Services

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48 hr RUSH

SOOT/CHAR AND SMOKE SAMPLING: CHAIN OF CUSTODY FORM

Job No: PJ40408 Client: W.E.S. & P.D.

Insured: Loss Location: Malibu

Date Sampled: 1/6/19

Sampled By: C.K & S.A Weather: rainy

Email: ~~chim~~ mrosales@forensicanalytical.com Phone:

Sample	Sample Description	Notes	Time
W	WES - Admin		
W	WES - AUP		
W	WES - RM 4		
W	WES - RM 11		
W	WES - RM 22		
W	PD - RM 1		
W	PD - RM 5		
W	PD - KI		
W	PD - L		
W	PD - RM 12		

Test Codes:

S	Surface sample, tape lift (for microscopic exam)	O	Other (please specify)
B	Bulk sample (microcope of PAH – specify)		
W	Wipe sample (for PAH analysis)		

Chain of Custody:

	Date	By (Print)	Signature
Released	1/7/19	Chris Kim	Chris Kim
Received	1/8/19	David Brien	David Brien
Released			
Received			
Released			
Received			
Released			

SGS GALSON

Ms. Michelle Rosales
Forensic Analytical
17400 SW Upper Boones Ferry Rd
Suite 245
Portland, OR 97224

January 09, 2019

Account# 23802

Login# L467603

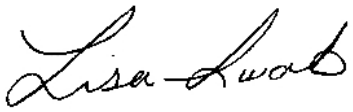
Dear Ms. Rosales:

Enclosed are the analytical results for the samples received by our laboratory on January 05, 2019. All samples on the chain of custody were received in good condition unless otherwise noted. When possible, non-IOM samples will be retained for 14 days following the date of this report (unless an extension is specifically requested). IOM samples are retained for 7 days.

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



Lisa Swab
Laboratory Director

Enclosure(s)

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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
New Jersey (NJDEP)	NELAC (TNI)	Lab ID: NY024	Air Analysis
Louisiana (LDEQ)	LELAP	Lab ID: 04083	Air Analysis, Solid Chemical Materials
Texas	Texas Dept. of Licensing and Regulation	Lab ID: 1042	Mold Analysis Laboratory license

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	
LOQ - Limit of Quantitation	kg - Kilograms	ND - Not detected	

SGS GALSON

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-RM19 **Lab ID : L467603-1** **Air Volume : 1500 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-RM19 **Lab ID : L467603-1** **Air Volume : 1500 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-CB **Lab ID : L467603-2** **Air Volume : 1426 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-CB **Lab ID : L467603-2** **Air Volume : 1426 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-OA-N **Lab ID : L467603-3** **Air Volume : 1400 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-OA-N **Lab ID : L467603-3** **Air Volume : 1400 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-OA-S **Lab ID : L467603-4** **Air Volume : 1448 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : JCES-OA-S **Lab ID : L467603-4** **Air Volume : 1448 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM212 **Lab ID : L467603-5** **Air Volume : 1466 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM212 **Lab ID : L467603-5** **Air Volume : 1466 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/08/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM402 **Lab ID : L467603-6** **Air Volume : 1320 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00004
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00004
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM402 **Lab ID : L467603-6** **Air Volume : 1320 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00005
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00004
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM303 **Lab ID : L467603-7** **Air Volume : 1332 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00004
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00004
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM303 **Lab ID : L467603-7** **Air Volume : 1332 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	0.3	<0.3	0.3	0.0002	0.00005
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00004
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-AUD **Lab ID : L467603-8** **Air Volume : 1486 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-AUD **Lab ID : L467603-8** **Air Volume : 1486 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM601 **Lab ID : L467603-9** **Air Volume : 1394 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM601 **Lab ID : L467603-9** **Air Volume : 1394 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM102 **Lab ID : L467603-10** **Air Volume : 1360 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Acenaphthene	0.3	<0.3	5.9	<0.3	6.5	0.0048	0.00076
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00004
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : MHS-RM102 **Lab ID : L467603-10** **Air Volume : 1360 L**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00005
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0003	<0.00004
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603
Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : BLANK **Lab ID : L467603-11** **Air Volume : NA**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	NA	NA
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	NA	NA
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	NA	NA

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : MHS & JC
Project No. : PJ40408
Date Sampled : 03-JAN-19
Date Received : 05-JAN-19

Account No.: 23802
Login No. : L467603

Date Analyzed : 08-JAN-19 - 09-JAN-19
Report ID : 1111977

Client ID : BLANK **Lab ID : L467603-11** **Air Volume : NA**
Date Sampled : 01/03/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA

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

Collection Media: FilterTube
Date : 09-JAN-19

Submitted by: AMH
NYS DOH # : 11626

Approved by: NKP
Supervisor : MWJ QC by: NKP

< -Less Than mg -Milligrams m3 -Cubic Meters kg -Kilograms NA -Not Applicable ND -Not Detected
> -Greater Than ug -Micrograms l -Liters NS -Not Specified ppm -Parts per Million LOQ-Limit of Quantitation

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Client Name : Forensic Analytical Lab Compton
Site : MHS & JC
Project No. : PJ40408

Date Sampled : 03-JAN-19 Account No.: 23802
Date Received: 05-JAN-19 Login No. : L467603
Date Analyzed: 08-JAN-19 - 09-JAN-19

L467603 (Report ID: 1111977):
Results corrected for compound and matrix specific desorption efficiencies.
SOPs: il-n5506(13)

L467603 (Report ID: 1111977):
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-Nitropyrene	+/-15.6%	101%
Acenaphthene	+/-17.5%	103%
Acenaphthylene	+/-17.2%	95.4%
Anthracene	+/-18%	106%
Benzo(a)anthracene	+/-18.8%	107%
Benzo(a)pyrene	+/-29.4%	105%
Benzo(b)fluoranthene	+/-20.4%	109%
Benzo(e)pyrene	+/-26%	109%
Benzo(g,h,i)perylene	+/-27%	103%
Benzo(k)fluoranthene	+/-22.8%	105%
Chrysene	+/-25%	103%
Dibenz(a,h)anthracene	+/-25.4%	98.6%
Fluoranthene	+/-17.8%	103%
Fluorene	+/-15.6%	102%
Indeno(1,2,3-cd)pyrene	+/-27.8%	98.2%
Naphthalene	+/-22.8%	103%
Phenanthrene	+/-16.3%	104%
Pyrene	+/-21%	107%

Parameter	Method
1-Nitropyrene	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(e)pyrene	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

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LABORATORY FOOTNOTE REPORT

Client Name : Forensic Analytical Lab Compton
Site : MHS & JC
Project No. : PJ40408

Date Sampled : 03-JAN-19 Account No.: 23802
Date Received: 05-JAN-19 Login No. : L467603
Date Analyzed: 08-JAN-19 - 09-JAN-19

L467603 (Report ID: 1111977):

Parameter	Method
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

784809700835
Date:01/05/19
Shipper:FEDEX
Initials:ZRK
Prep:UNKNOWN

L467603

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246

Turn Around Time (TAT):	(surcharge)
☐ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☑ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

☐ Samples submitted using the FreePumpLoan™ Program

☐ Samples submitted using the FreeSamplingBadges™ Program

You may edit and complete this COC electronically by logging in to your Client Portal account at https://portal.galsonlabs.com/

Client Acct No.: 23802

Original Prep No.: PSY510587-1

CS Rep: NTORMEY

Online COC No.: 171055

Report To :	Ms. Michelle Rosales
Company Name :	Forensic Analytical
Address 1 :	17400 SW Upper Boones Ferry Rd
Address 2 :	Suite 245
City, State Zip :	Portland, OR 97224
Phone No. :	503 - 595 - 1001
Cell No. :	
Email reports to :	mrosales@forensicanalytical.com, sacdata@forensicanalytical.com
Email EDD to :	mrosales@forensicanalytical.com, sacdata@forensicanalytical.com
Comments :	

Invoice To :	Accounts Payable
Company Name :	Forensic Analytical Lab Compton
Address 1 :	21228 Cabot Blvd
Address 2 :	
City, State Zip :	Hayward, CA 94545
Phone No. :	510 - 266 - 4600
Email Address :	ap@forensicanalytical.com
Comments :	
P.O. No. :	
Payment info. :	☐ I will call SGS Galson to provide credit card info ☐ Card on File (enter the last five digits on the line below)

Comments : Samples Received in Light-Protective Material

State Sampled : CA

Please indicate which OEL(s) this data will be used for : ☐ OSHA PEL ☐ ACGIH TLV ☐ MSHA ☐ Cal OSHA ☐ IAQ : _____ Specify Limit(s) ☐ Other : _____ Specify Other

Site Name : MHS & JC | Project : PJ40408 | Sampled By : C.K & S.A | List description of industry or Process/interferences present in sampling area : School

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
JCES - RM19	1/3/19	N5506 37mm 2um PTFE	750 min.	1500L	PAH	NIOSH 5506	
JCES - CB	1/3/19	N5506 37mm 2um PTFE	713 min.	1426L	PAH	NIOSH 5506	

☐ ^ 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 :	Chris Kim	Chris Kim	1/4/19		Received By :	Zachary King		1/5/19	9:26
Relinquished By :					Received By :				

*** You must fill in these columns for any samples which you are submitting.**

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

Online COC No. : 171055
Prep No. : PSY510587-1
Account No. : 23802
Draft : 12/28/2018 2:52:35 PM

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Comments :

Samples Received in Light-Protective Material

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
JCES-OA-N	1/3/19	N5506 37mm 2um PTFE	700min	1400 L	PAH	NIOSH 5506	
JCES-OA-S	1/2/19	N5506 37mm 2um PTFE	742min.	1448 L			
MHS-RM 212	1/3/19	N5506 37mm 2um PTFE	~~733~~ 713min	~~1466~~ 1426L			
~~Exterior 2~~ CK	1/3/19	N5506 37mm 2um PTFE	~~690min~~	~~1380L~~			
MHS-RM 402	1/3/19	N5506 37mm 2um PTFE	660min	1320L			
MHS-RM 303	1/3/19	N5506 37mm 2um PTFE	~~654~~ 666min.	~~1308~~ 1332L			
MHS-AUD	1/3/19	N5506 37mm 2um PTFE	743min	1486 L			
MHS-RM 601	1/3/19	N5506 37mm 2um PTFE	697min.	1394L			
MHS-RM 102	1/3/19	N5506 37mm 2um PTFE	680min.	1360L			
Blank		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					

☐ ^ 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 :	Chris Kim	Chris Kim	1/4/19		Received By :	Zachary King	1/5/19	9:26
Relinquished By :					Received By :			

*** You must fill in these columns for any samples which you are submitting.**

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Comments :

Samples Received in Light-Protective Material

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
Blank	1/3/19	Xad Tube - ORBO 43	—	—	PAH	NIOSH 5506	

☐ ^ 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 :	Chris Kim	Chris Kim	1/4/19		Received By :	Zachary King		1/5/19	9:26
Relinquished By :					Received By :				

*** You must fill in these columns for any samples which you are submitting.**

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

Online COC No. : 171055
Prep No. : PSY510587-1
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SGS GALSON CHAIN OF CUSTODY

Comments :

Samples Received in Light-Protective Material

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
JCES-RM19	1/3/19	Xad Tube - ORBO 43	750 min	1500 L	PAH	NIOSH 5506	
JCES - CB	1/3/19	Xad Tube - ORBO 43	713 min.	1426 L			
JCES-OA-N	1/3/19	Xad Tube - ORBO 43	700 min.	1400 L			
JCES-OA-S	1/3/19	Xad Tube - ORBO 43	742 min.	1448 L			
MHS-RM212	1/3/19	Xad Tube - ORBO 43	~~613~~ 733 min	~~1226~~ 1469 L			
~~Exterior 2~~	~~1/3/19~~	~~Xad Tube - ORBO 43~~	~~690 min~~	~~1380 L~~ C.K			
MHS-RM402	1/3/19	Xad Tube - ORBO 43	660 min.	1320 L			
MHS-RM303	1/3/19	Xad Tube - ORBO 43	~~654~~ 666 min.	~~1308~~ 1332 L			
MHS-AUD	1/3/19	Xad Tube - ORBO 43	743 min	~~1486~~ C.K 1486 L			
MHS-RM601	1/3/19	Xad Tube - ORBO 43	697 min	1394 L			
MHS-RM102	1/3/19	Xad Tube - ORBO 43	680 min	1360 L			

☐ ^ 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 :	Chris Kim	Chris Kim	1/4/19		Received By :	Zachary King		1/5/19	9:26
Relinquished By :					Received By :				

*** You must fill in these columns for any samples which you are submitting.**

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

Online COC No. : 171055
Prep No. : PSY510587-1
Account No. : 23802
Draft : 12/28/2018 2:52:35 PM

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Ms. Michelle Rosales
Forensic Analytical
17400 SW Upper Boones Ferry Rd
Suite 245
Portland, OR 97224

January 10, 2019

Account# 23802

Login# L467807

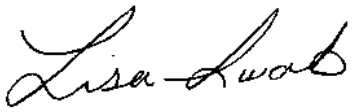
Dear Ms. Rosales:

Enclosed are the analytical results for the samples received by our laboratory on January 09, 2019. All samples on the chain of custody were received in good condition unless otherwise noted. When possible, non-IOM samples will be retained for 14 days following the date of this report (unless an extension is specifically requested). IOM samples are retained for 7 days.

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



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.
- Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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
New Jersey (NJDEP)	NELAC (TNI)	Lab ID: NY024	Air Analysis
Louisiana (LDEQ)	LELAP	Lab ID: 04083	Air Analysis, Solid Chemical Materials
Texas	Texas Dept. of Licensing and Regulation	Lab ID: 1042	Mold Analysis Laboratory license

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

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-ADMIN **Lab ID : L467807-1** **Air Volume : 1529 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client	: Forensic Analytical Lab Compto	Account No.:	23802
Site	: WES & JC PD	Login No. :	L467807
Project No.	: PJ40408		
Date Sampled	: 06-JAN-19	Date Analyzed :	09-JAN-19 - 10-JAN-19
Date Received	: 09-JAN-19	Report ID :	1112223

Client ID : WES-ADMIN **Lab ID : L467807-1** **Air Volume : 1529 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube	Submitted by: AMH	Approved by: MLN
Date : 10-JAN-19	Supervisor : MWJ	QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-AUD **Lab ID : L467807-2** **Air Volume : 1518 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

SGS GALSON

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807

Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-AUD **Lab ID : L467807-2** **Air Volume : 1518 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-RM11 **Lab ID : L467807-3** **Air Volume : 1516 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807

Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-RM11 **Lab ID : L467807-3** **Air Volume : 1516 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-RM4 **Lab ID : L467807-4** **Air Volume : 1494 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client	: Forensic Analytical Lab Compto	Account No.:	23802
Site	: WES & JC PD	Login No. :	L467807
Project No.	: PJ40408		
Date Sampled	: 06-JAN-19	Date Analyzed :	09-JAN-19 - 10-JAN-19
Date Received	: 09-JAN-19	Report ID :	1112223

Client ID : WES-RM4 **Lab ID : L467807-4** **Air Volume : 1494 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube	Submitted by: AMH	Approved by: MLN
Date : 10-JAN-19	Supervisor : MWJ	QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-RM22 **Lab ID : L467807-5** **Air Volume : 1540 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-RM22 **Lab ID : L467807-5** **Air Volume : 1540 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/09/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	0.4	<0.3	0.4	0.0003	0.00005
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-EXT1 **Lab ID : L467807-6** **Air Volume : 1518 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client	: Forensic Analytical Lab Compto	Account No.:	23802
Site	: WES & JC PD	Login No. :	L467807
Project No.	: PJ40408		
Date Sampled	: 06-JAN-19	Date Analyzed :	09-JAN-19 - 10-JAN-19
Date Received	: 09-JAN-19	Report ID :	1112223

Client ID : WES-EXT1 **Lab ID : L467807-6** **Air Volume : 1518 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube	Submitted by: AMH	Approved by: MLN
Date : 10-JAN-19	Supervisor : MWJ	QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : WES-EXT2 **Lab ID : L467807-7** **Air Volume : 1485 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client	: Forensic Analytical Lab Compto	Account No.:	23802
Site	: WES & JC PD	Login No. :	L467807
Project No.	: PJ40408		
Date Sampled	: 06-JAN-19	Date Analyzed :	09-JAN-19 - 10-JAN-19
Date Received	: 09-JAN-19	Report ID :	1112223

Client ID : WES-EXT2 **Lab ID : L467807-7** **Air Volume : 1485 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube	Submitted by: AMH	Approved by: MLN
Date : 10-JAN-19	Supervisor : MWJ	QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-L **Lab ID : L467807-8** **Air Volume : 1487 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-L **Lab ID : L467807-8** **Air Volume : 1487 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-RM1 **Lab ID : L467807-9** **Air Volume : 1529 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
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Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-RM1 **Lab ID : L467807-9** **Air Volume : 1529 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

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LABORATORY ANALYSIS REPORT

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Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-RM12 **Lab ID : L467807-10** **Air Volume : 1520 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client	: Forensic Analytical Lab Compto	Account No.:	23802
Site	: WES & JC PD	Login No. :	L467807
Project No.	: PJ40408		
Date Sampled	: 06-JAN-19	Date Analyzed :	09-JAN-19 - 10-JAN-19
Date Received	: 09-JAN-19	Report ID :	1112223

Client ID : PD-RM12 **Lab ID : L467807-10** **Air Volume : 1520 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube	Submitted by: AMH	Approved by: MLN
Date : 10-JAN-19	Supervisor : MWJ	QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-RM-5 **Lab ID : L467807-11** **Air Volume : 1478 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-RM-5 **Lab ID : L467807-11** **Air Volume : 1478 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
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Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-OA-C **Lab ID : L467807-12** **Air Volume : 1502 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

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Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-OA-C **Lab ID : L467807-12** **Air Volume : 1502 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
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Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : JCES-RM10 **Lab ID : L467807-13** **Air Volume : 1445 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

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Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : JCES-RM10 **Lab ID : L467807-13** **Air Volume : 1445 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

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Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : JCES-RM12 **Lab ID : L467807-14** **Air Volume : 1439 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : JCES-RM12 **Lab ID : L467807-14** **Air Volume : 1439 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : JCES-L **Lab ID : L467807-15** **Air Volume : 1401 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0004	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : JCES-L **Lab ID : L467807-15** **Air Volume : 1401 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-RM16 **Lab ID : L467807-16** **Air Volume : 1516 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00002
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00003
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0003	<0.00002
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	<0.0003	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : PD-RM16 **Lab ID : L467807-16** **Air Volume : 1516 L**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00004
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	<0.0002	<0.00003
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	<0.0002	<0.00003

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client : Forensic Analytical Lab Compto
Site : WES & JC PD
Project No. : PJ40408
Date Sampled : 06-JAN-19
Date Received : 09-JAN-19

Account No.: 23802
Login No. : L467807
Date Analyzed : 09-JAN-19 - 10-JAN-19
Report ID : 1112223

Client ID : BLANK **Lab ID : L467807-17** **Air Volume : NA**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
1-Nitropyrene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Acenaphthene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Acenaphthylene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Anthracene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(a)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(a)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	NA	NA
Benzo(b)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(e)pyrene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Benzo(g,h,i)perylene	0.3	<0.3	<0.3	<0.3	<0.5	NA	NA
Benzo(k)fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Chrysene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Dibenz(a,h)anthracene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Fluoranthene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA
Fluorene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Indeno(1,2,3-cd)pyrene	0.3	<0.3	<0.3	<0.3	<0.5	NA	NA

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

Collection Media: FilterTube
Date : 10-JAN-19

Submitted by: AMH
Supervisor : MWJ

Approved by: MLN
QC by: MLN

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LABORATORY ANALYSIS REPORT

Client	: Forensic Analytical Lab Compto	Account No.:	23802
Site	: WES & JC PD	Login No. :	L467807
Project No.	: PJ40408		
Date Sampled	: 06-JAN-19	Date Analyzed :	09-JAN-19 - 10-JAN-19
Date Received	: 09-JAN-19	Report ID :	1112223

Client ID : BLANK **Lab ID : L467807-17** **Air Volume : NA**
Date Sampled : 01/06/19 **Date Analyzed : 01/10/19**

Parameter	LOQ ug	Filter ug	Front ug	Back ug	Total ug	Conc mg/m3	ppm
Naphthalene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Phenanthrene	0.3	<0.3	<0.3	<0.3	<0.3	NA	NA
Pyrene	0.3	<0.3	<0.3	<0.3	<0.4	NA	NA

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

Collection Media: FilterTube	Submitted by: AMH	Approved by: MLN
Date : 10-JAN-19	Supervisor : MWJ	QC by: MLN

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Client Name : Forensic Analytical Lab Compton
Site : WES & JC PD
Project No. : PJ40408

Date Sampled : 06-JAN-19 Account No.: 23802
Date Received: 09-JAN-19 Login No. : L467807
Date Analyzed: 09-JAN-19 - 10-JAN-19

L467807 (Report ID: 1112223):
Results corrected for compound and matrix specific desorption efficiencies.
SOPs: il-n5506(13)

L467807-15 (Report ID: 1112223):
A small amount of desorbing solution splashed out. Result is unaffected as sample is non-detect.

L467807 (Report ID: 1112223):
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-Nitropyrene	+/-15.6%	101%
Acenaphthene	+/-17.5%	103%
Acenaphthylene	+/-17.2%	95.4%
Anthracene	+/-18%	106%
Benzo(a)anthracene	+/-18.8%	107%
Benzo(a)pyrene	+/-29.4%	105%
Benzo(b)fluoranthene	+/-20.4%	109%
Benzo(e)pyrene	+/-26%	109%
Benzo(g,h,i)perylene	+/-27%	103%
Benzo(k)fluoranthene	+/-22.8%	105%
Chrysene	+/-25%	103%
Dibenz(a,h)anthracene	+/-25.4%	98.6%
Fluoranthene	+/-17.8%	103%
Fluorene	+/-15.6%	102%
Indeno(1,2,3-cd)pyrene	+/-27.8%	98.2%
Naphthalene	+/-22.8%	103%
Phenanthrene	+/-16.3%	104%
Pyrene	+/-21%	107%

Parameter	Method
1-Nitropyrene	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(e)pyrene	mod. NIOSH 5506; HPLC/UV
Benzo(g,h,i)perylene	mod. NIOSH 5506; HPLC/UV

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LABORATORY FOOTNOTE REPORT

Client Name : Forensic Analytical Lab Compton
Site : WES & JC PD
Project No. : PJ40408

Date Sampled : 06-JAN-19 Account No.: 23802
Date Received: 09-JAN-19 Login No. : L467807
Date Analyzed: 09-JAN-19 - 10-JAN-19

L467807 (Report ID: 1112223):

Parameter	Method
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

784850508908
Date:01/09/19
Shipper:FEDEX
Initials:BGF
Prep:UNKNOWN

L4678807

91-92R

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Turn Around Time (TAT):	(surcharge)
☐ Standard	0%
☐ 4 Business Days	35%
☐ 3 Business Days	50%
☑ 2 Business Days	75%
☐ Next Day by 6pm	100%
☐ Next Day by Noon	150%
☐ Same Day	200%

☐ Samples submitted using the FreePumpLoan™ Program

☐ Samples submitted using the FreeSamplingBadges™ Program

You may edit and complete this COC electronically by logging in to your Client Portal account at https://portal.galsonlabs.com/

Client Acct No.: 23802

Original Prep No.: PSY510587-1

CS Rep: NTORMEY

Online COC No.: 171055

Report To :	Ms. Michelle Rosales
Company Name :	Forensic Analytical
Address 1 :	17400 SW Upper Boones Ferry Rd
Address 2 :	Suite 245
City, State Zip :	Portland, OR 97224
Phone No. :	503 - 595 - 1001
Cell No. :	
Email reports to :	mrosales@forensicanalytical.com, sacdata@forensicanalytical.com
Email EDD to :	mrosales@forensicanalytical.com, sacdata@forensicanalytical.com
Comments :	

Invoice To :	Accounts Payable
Company Name :	Forensic Analytical Lab Compton
Address 1 :	21228 Cabot Blvd
Address 2 :	
City, State Zip :	Hayward, CA 94545
Phone No. :	510 - 266 - 4600
Email Address :	ap@forensicanalytical.com
Comments :	
P.O. No. :	
Payment info. :	☐ I will call SGS Galson to provide credit card info ☐ Card on File (enter the last five digits on the line below)

Comments : Samples Received in Light-Protective Material

State Sampled : CA

Please indicate which OEL(s) this data will be used for :
☐ OSHA PEL ☐ ACGIH TLV ☐ MSHA ☐ Cal OSHA
☐ IAQ : _____ (Specify Limit(s)) ☐ Other : _____ (Specify Other)

Site Name : WES ~~MHS~~ & JC, PD | Project : PJ40408 | Sampled By : C.K & S.A | List description of industry or Process/interferences present in sampling area : School

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
WES - Admin	1/6/19	N5506 37mm 2um PTFE NG	695min	1529L	PAH	NIOSH 5506	
WES - AuD	1/6/19	N5506 37mm 2um PTFE ↓ BGF 1/9/19	690min	1518L	PAH	NIOSH 5506	

☐ ^ 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 :	Chris Kim	Chris Kim	1/7/19		Received By :	Brett Grenert-Fischer	Brett Grenert-Fischer	1/9/19	0915
Relinquished By :					Received By :				

* You must fill in these columns for any samples which you are submitting.

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

Online COC No. : 171055
Prep No. : PSY510587-1
Account No. : 23802
Draft : 12/28/2018 2:52:35 PM

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SGS GALSON CHAIN OF CUSTODY

Comments :

all NG.

Samples Received in Light-Protective Material

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
WES-RM11	1/6/19	N5506 37mm 2um PTFE	689 min.	1516 L	PAH	NIOSH 5506	
WES-RM4		N5506 37mm 2um PTFE	679 min.	1494 L			
WES-RM22		N5506 37mm 2um PTFE	700 min.	1540L			
WES-Ext 1		N5506 37mm 2um PTFE	690 min.	1518L			
WES-Ext 2		N5506 37mm 2um PTFE	675 min.	1485L			
PP-L		N5506 37mm 2um PTFE	676 min.	1487L			
PP-RM1		N5506 37mm 2um PTFE	695 min.	1529 L			
PD-RM12		N5506 37mm 2um PTFE	691 min.	1520L			
PP-RM-S		N5506 37mm 2um PTFE	672 min.	1478L			
PP-OA-C		N5506 37mm 2um PTFE	683 min.	1502 L			
TCES-RM10		N5506 37mm 2um PTFE BGF 1/9/19	657 min.	1445L			

☐ ^ 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 :	Chris Kim	Chris Kim	1/7/19		Received By :	Brett Grenert-Fischer	Brett Grenert-Fischer	1/9/19	0915
Relinquished By :					Received By :				

*** You must fill in these columns for any samples which you are submitting.**

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

Online COC No. : 171055
Prep No. : PSY510587-1
Account No. : 23802
Draft : 12/28/2018 2:52:35 PM

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Comments :

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Samples Received in Light-Protective Material

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
JCES-RM12	1/6/19	N5506 37mm 2um PTFE	654 min.	1439L	PAH	NIOSH 5506	
JCES-L		N5506 37mm 2um PTFE	637 min.	1401L			
PD-RM16		N5506 37mm 2um PTFE	689 min.	1516L			
Blank	↓	N5506 37mm 2um PTFE	—	—	↓	↓	
		N5506 37mm 2um PTFE BGF 1/9/19					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					
		N5506 37mm 2um PTFE					

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Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By :	Chris Kim	Chris Kim	1/7/19		Received By :	Brett Grenert-Fischer	Brett Grenert-Fischer	1/9/19	0915
Relinquished By :					Received By :				

*** You must fill in these columns for any samples which you are submitting.**

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

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Prep No. : PSY510587-1
Account No. : 23802
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SGS GALSON CHAIN OF CUSTODY

Comments :

Samples Received in Light-Protective Material

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
WES - Admin	1/6/19	Xad Tube - ORBO 43	695 min	1529 L	PAH	NIOSH 5506	
WES - AUD		Xad Tube - ORBO 43	690	1518			
WES - ~~AUD~~ RM11 CIK		Xad Tube - ORBO 43	689	1516			
WES - RM4		Xad Tube - ORBO 43	679	~~69~~ 1494			
WES - RM22		Xad Tube - ORBO 43	700	1540			
WES - Ext1		Xad Tube - ORBO 43	690	1518			
WES - Ext2		Xad Tube - ORBO 43	675	1485			
PD - L		Xad Tube - ORBO 43	676	1487			
PD - RM1		Xad Tube - ORBO 43	695 ~~676~~ CIK	1529			
PD - RM 12		Xad Tube - ORBO 43	691	1520			
PD - RM-5	↓	Xad Tube - ORBO 43	672 ↓	1478 ↓	↓		

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Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By :	Chris Kim	Chris Kim	1/7/19		Received By :	Brett Grenert-Fischer	Brett Grenert-Fischer	1/9/19	0915
Relinquished By :					Received By :				

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SGS GALSON CHAIN OF CUSTODY

Comments :

Samples Received in Light-Protective Material

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 ^	Hexavalent Chromium Process (e.g., welding, plating, painting, etc.)
PD-OA-C	1/6/19	Xad Tube - ORBO 43	683 min	1502 L	PAH	NIOSH 5506	
JCES-RM10		Xad Tube - ORBO 43	657	1445			
JCES-RM12		Xad Tube - ORBO 43	654	1439			
JCES-L		Xad Tube - ORBO 43	637	1401			
PD-RM16		Xad Tube - ORBO 43	689	1516			
Blank	↓	Xad Tube - ORBO 43	—	—	↓	↓	
		Xad Tube - ORBO 43					
		Xad Tube - ORBO 43					
		Xad Tube - ORBO 43					
		Xad Tube - ORBO 43					
		Xad Tube - ORBO 43					

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Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By :	Chris Kim	Chris Kim	1/7/19		Received By :	Brett Grenert-Fischer	Brett Grenert-Fischer	1/9/19	0915
Relinquished By :					Received By :				

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