September 29, 2015

City of Seattle
700 5th Avenue, Suite 4112
P.O. Box 94687
Seattle, Washington 98124-4687

RE: Interbay Property Air Sampling

Argus Pacific Project #BA157137

Dear Ms. Thompson:

At your request, Argus Pacific, Inc. (Argus Pacific) provided area sampling at the Seattle City Light property located at 3240 17th Avenue West in Seattle, Washington. The purpose of this sampling was to determine if the chlorinated solvents and petroleum hydrocarbons present in the soil are volatilizing into the air. This sampling was limited to the south end of the property

Background

At the time of sampling, the south end of the 3240 17th Avenue West property was vacant. The north end of the lot is used as a storage area for utility poles used by Seattle City Light. Argus Pacific understands that chlorinated solvents and total petroleum hydrocarbons (TPHs) were identified in the soil in the *Phase II Environmental Site Assessment* document submitted to the City of Seattle by Herrera Environmental Consultants, dated December 7, 2000. City of Seattle representatives requested that Argus Pacific conduct air sampling for the chlorinated solvents and TPHs identified in the Phase II report.

Methods

Mr. Conor Foley, industrial hygienist with Argus Pacific, set up four sampling stations at the south end of the property and began sampling on September 9, 2015. Mr. Foley attached 3M 3500 organic vapor badges for diesel fuel and TPHs, and Assay Technology N566 organic vapor badges for the following chlorinated solvents at each of the for sampling stations positioned at the north, south, east and west ends of the targeted area:

- Tetrachloroethylene
- Trichloroethylene
- 1,1,2-Trichloroethane
- 1,2-Dichloroethane
- cis-1,2-Dichloroethylene
- Vinyl chloride

The first set of samples remained on site sampling for approximately 12 hours. At the end of the first 12-hour sampling period, the badges were changed out with a second set of organic vapor badges to sample for another 12 hours in order to acquire 24 hours of sampling data. Argus Pacific returned to the site on September 10, 2015 after the second 12-hour sampling to collect the samples.

When the samples were changed after the first sampling period, the 3M 3500 organic sampling badge for diesel fuel and TPHs was not replaced on the east sampling station. On September 10, 2015, Mr. Foley placed a sample at the east location and sampled during the same nighttime window that the other three samples (north, south and west) were collected the previous evening. A control sample was also collected at the south end of the property during this time. Mr. Peter Snider, industrial hygienist with Argus Pacific, collected the samples on September 11, 2015, 12 hours after they were started.

All samples were capped and shipped to SGS Galson Laboratories in East Syracuse, New York for analysis by the following methods:

- 1,1,2-Trichloroethane – NIOSH 1003
- 1,2-Dichloroethane – NIOSH 1003
- Tetrachloroethylene – NIOSH 1003
- Trichloroethylene – NIOSH 1022
- Vinyl Chloride – NIOSH 1007
- cis-1,2-Dichloroethylene – NIOSH 1003
- Total hydrocarbons – NIOSH 1500/1501
- Diesel fuel – NIOSH 1550

Results

Chlorinated solvents were not detected above the laboratory limit of detection. The laboratory limit of detection is well below the Washington State Division of Occupational Safety and Health (DOSH) permissible exposure limit (PEL) for each analyte. See the attached table for full results and comparisons to applicable exposure limits.

TPHs were not detected above the laboratory limit of detection. The highest laboratory limit of detection was 0.51 parts per million (ppm). See the attached table for full results. Results for TPH analysis are based on the response of n-Hexane and were collected for screening purposes. These screening results do not warrant further investigation into any specific volatile organic compounds.

Diesel fuel was not detected above the laboratory limit of detection. The highest laboratory limit of detection was 1.0 ppm. See the attached table for full results. Diesel fuel is a mixture of components and the molecular weight used to calculate the results was 170 grams per mole of the substance. Diesel fuel was used to estimate the volatility of heavy oil present in the soil.

Conclusions

Based on the sampling results, chlorinated solvents, TPHs and heavy oil identified in the Phase II report were not volatilizing into air in quantities above their respective laboratory limits of detection or above applicable state occupational exposure limits.

Limitations

Argus Pacific performed this air sampling in accordance with generally accepted industrial hygiene standards of care that is exercised by reputable industrial hygiene firms in Seattle at the time of the assessment. This report does not represent all conditions at the subject site as it only reflects the information gathered from specific areas at the time of our assessment. Observation or sampling of other areas was not within the scope of Argus Pacific's work and was not performed. This report was prepared pursuant to the contract Argus Pacific has with the client. Unauthorized reliance on or use of this report, including any of its information or conclusions, will be at third party's risk. For the same reasons, no warranties or representations, express or implied in this report, are made to any such third party.

Should you have any questions, concerns or need of additional information, please do not hesitate to call Argus Pacific at 206.285.3373.

Sincerely,

Conor Foley
Project Manager
Argus Pacific, Inc.

Reviewed by,

Alex Peck, CIH
Industrial Hygiene Department Manager
Terracon, Inc.

Attachments:

Table 1: Chlorinated Solvents Daytime Results

Table 2: Chlorinated Solvents Nighttime Results

Table 3: TPH and Diesel Fuel Daytime Results

Table 4: TPH and Diesel Fuel Daytime Results

SGS Galson Laboratory Analysis Report, Login # L355719, September 24, 2015

Table 1. Chlorinated Solvent Results
3240 17th Ave West Property
September 9, 2015 Daytime

Location	Tetrachloroethylene	Trichloroethylene	1,1,2-Trichloroethane	1,2-Dichloroethane	cis-1,2-Dichloroethylene	Vinyl Chloride
North-CL-01	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.04 ppm
West-CL-01	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.04 ppm
South-CL-01	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.04 ppm
East-CL-01	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.04 ppm
DOSH TWA PEL	**25 ppm**	**50 ppm**	**10 ppm**	**1 ppm**	**200 ppm**	**1 ppm**
ACGIH TWA TLV	**25 ppm**	**10 ppm**	**10 ppm**	**10 ppm**	**200 ppm**	**5 ppm**

Notes:
< = Less than laboratory limit of detection
ppm = parts per million
DOSH TWA PEL = Washington State Division of Occupational Safety and Health Permissible Exposure Limit as an 8-hour time-weighted average
ACGIH TWA TLV = American Conference of Governmental Industrial Hygienists Threshold Limit Value as an 8-hour time-weighted average
PEL = Permissible Exposure Limit as an 8-hour time-weighted average

Table 2. Chlorinated Solvent Results
3240 17th Ave West Property
September 9, 2015 Nighttime

Location	Tetrachloroethylene	Trichloroethylene	1,1,2-Trichloroethane	1,2-Dichloroethane	cis-1,2-Dichloroethylene	Vinyl Chloride
North-CL-02	<0.1 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.03 ppm
West-CL-02	<0.1 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.03 ppm
South-CL-02	<0.1 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.03 ppm
East-CL-02	<0.1 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.2 ppm	<0.03 ppm
CL-Blank	<5 µg	<5 µg	<5 µg	<5 µg	<5 µg	<5 µg
DOSH TWA PEL	**25 ppm**	**50 ppm**	**10 ppm**	**1 ppm**	**200 ppm**	**1 ppm**
ACGIH TWA TLV	**25 ppm**	**10 ppm**	**10 ppm**	**10 ppm**	**200 ppm**	**5 ppm**

Notes:
< = Less than laboratory limit of detection
ppm = parts per million
µg = micrograms
DOSH TWA PEL = Washington State Division of Occupational Safety and Health Permissible Exposure Limit as an 8-hour time-weighted average
ACGIH TWA TLV = American Conference of Governmental Industrial Hygienists Threshold Limit Value as an 8-hour time-weighted average
PEL = Permissible Exposure Limit as an 8-hour time-weighted average

Table 3. TPH and Diesel Fuel Results
3240 17th Ave West Property
September 9, 2015 Daytime

Location	TPH	Diesel Fuel
North-01	<0.51 ppm	<6.9 mg/m^3
West-01	<0.51 ppm	<6.9 mg/m^3
South-01	<0.51 ppm	<6.9 mg/m^3
East-01	<0.51 ppm	<6.9 mg/m^3
DOSH TWA PEL	**NE**	**NE**
ACGIH TWA TLV	**NE**	**100 mg/m^3**

Notes:
< = Less than laboratory limit of detection
ppm = parts per million
mg = milligrams
DOSH TWA PEL = Washington State Division of Occupational Safety and Health Permissible Exposure Limit as an 8-hour time-weighted average
ACGIH TWA TLV = American Conference of Governmental Industrial Hygienists Threshold Limit Value as an 8-hour time-weighted average
PEL = Permissible Exposure Limit as an 8-hour time-weighted average
NE = Not Established

Table 4. TPH and Diesel Fuel Results
3240 17th Ave West Property
September 9 and 10, 2015 Nighttime

Location	TPH	Diesel Fuel
North-02	<0.48 ppm	<6.6 mg/m^3
West-02	<0.48 ppm	<6.6 mg/m^3
South-02	<0.48 ppm	<6.6 mg/m^3
East-02	<0.49 ppm	<6.7 mg/m^3
South-03	<0.49 ppm	<6.7 mg/m^3
Lab-Blank	<40 µg	<100 µg
DOSH TWA PEL	**NE**	**NE**
ACGIH TWA TLV	**NE**	**100 mg/m^3**

Notes:
< = Less than laboratory limit of detection
ppm = parts per million
mg = milligrams
µg = micrograms
DOSH TWA PEL = Washington State Division of Occupational Safety and Health Permissible Exposure Limit as an 8-hour time-weighted average
ACGIH TWA TLV = American Conference of Governmental Industrial Hygienists Threshold Limit Value as an 8-hour time-weighted average
PEL = Permissible Exposure Limit as an 8-hour time-weighted average
NE = Not Established

GALSON LABORATORIES

Mr. Conor Foley
Argus Pacific
1900 West Nickerson St.
Suite 315
Seattle, WA 98119-1650

September 25, 2015

DOH ELAP #11626
AIHA-LAP #100324

Account# 19649

Login# L356099

Dear Mr. Foley:

Enclosed are the analytical results for the samples received by our laboratory on September 18, 2015. All test results meet the quality control requirements of AIHA-LAP and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report, with the exception of IOMs, which will be cleaned and disposed of after seven calendar days.

Current Scopes of Accreditation can be viewed at www.galsonlabs.com in the accreditations section under the "about Galson" tab.

Please contact Nicole Tormey at (888) 432-5227, if you would like any additional information regarding this report. Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G Unangst

Mary G. Unangst
Laboratory Director

Enclosure(s)

Galson Laboratories, Inc. is now a part of SGS, the world's leading inspection, verification, testing, and certification company. As part of our transition to SGS, you will begin to see some formatting changes with reports that will improve the presentation of data and allow for the transition to the new logo.

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East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS

Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Account No.: 19649
Login No. : L356099

Date Analyzed : 22-SEP-15
Report ID : 901941

Acetone

Sample ID	Lab ID	Time minutes	Raw ug	Total ug	Conc mg/m3	ppm
TEST-ACE-02	L356099-15	15	7	7	40	20
MAIN-ACE-02	L356099-16	15	120	130	650	280
BLANK-ACE-01 6922	L356099-19	NA	<5	<5	NA	NA

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

Level of quantitation: 5 ug
Analytical Method : mod. NIOSH 1300; GC/FID BADGE
OSHA PEL : 1000 ppm (TWA)
Collection Media : Assay 566

Submitted by: MLN
Approved by : nkp
Date : 25-SEP-15
Supervisor: KLD

NYS DOH # : 11626
QC by: CRD

< -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

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LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS
Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Account No.: 19649
Login No. : L356099
Date Analyzed : 21-SEP-15
Report ID : 901555

Acetone

Sample ID	Lab ID	Time minutes	Front ug	Back ug	Total ug	Conc mg/m3	ppm
TEST-ACE-01 5267	L356099-6	475	950	<10	960	50	21
MAIN-ACE-01 5506	L356099-7	470	570	<10	580	31	13
BLANK-ACE-01 5306	L356099-11	NA	<10	<10	<10	NA	NA

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

Level of quantitation: 10. ug
Analytical Method : mod. NIOSH 1300; GC/FID BADGE
OSHA PEL : 1000 ppm (TWA)
Collection Media : M3M-3520

Submitted by: BDK
Approved by : dnf
Date : 25-SEP-15
Supervisor: KLD

NYS DOH # : 11626
QC by: CRD

< -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

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LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS

Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Account No.: 19649
Login No. : L356099

Date Analyzed : 21-SEP-15
Report ID : 901557

Methylene Chloride

Sample ID	Lab ID	Time minutes	Front ug	Back ug	Total ug	Conc mg/m3	ppm
TEST-CL-01 5487	L356099-4	710	300	17	340	13	3.6
BLANK-CL-01 5345	L356099-9	NA	<5	<5	<5	NA	NA

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

Level of quantitation: 5 ug
Analytical Method : mod. NIOSH 1005; GC/FID BADGE
OSHA PEL : 25 ppm (TWA)
Collection Media : M3M-3520

Submitted by: BDK
Approved by : dnf
Date : 25-SEP-15
Supervisor: KLD

NYS DOH # : 11626
QC by: CRD

< -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

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LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS

Account No.: 19649
Login No. : L356099

Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Date Analyzed : 22-SEP-15
Report ID : 901942

Methylene Chloride

Sample ID	Lab ID	Time minutes	Raw ug	Total ug	Conc mg/m3	ppm
TEST-CL-02	L356099-14	15	<5	<5	<30	<10
BLANK-CL-01 6315	L356099-18	NA	<5	<5	NA	NA

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

Level of quantitation: 5 ug
Analytical Method : mod. NIOSH 1005; GC/FID BADGE
OSHA PEL : 25 ppm (TWA)
Collection Media : Assay 566

Submitted by: MLN
Approved by : nkp
Date : 25-SEP-15
Supervisor: KLD

NYS DOH # : 11626
QC by: CRD

< -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

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LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS
Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Account No.: 19649
Login No. : L356099
Date Analyzed : 22-SEP-15
Report ID : 901943

Methyl Ethyl Ketone

Sample ID	Lab ID	Time minutes	Raw ug	Total ug	Conc mg/m3	ppm
FILMING-MEK-02	L356099-12	15	360	380	2200	760
RESIN-MEK-02 4904	L356099-13	15	25	26	150	52
BLANK-MEK-01 2449	L356099-17	NA	<5	<5	NA	NA

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

Level of quantitation: 5 ug
Analytical Method : mod. NIOSH 1300; GC/FID BADGE
OSHA PEL : 200 ppm (TWA)
Collection Media : Assay 566

Submitted by: MLN
Approved by : nkp
Date : 25-SEP-15
Supervisor: KLD

NYS DOH # : 11626
QC by: CRD

< -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

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LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS
Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Account No.: 19649
Login No. : L356099
Date Analyzed : 21-SEP-15
Report ID : 901558

Methyl Ethyl Ketone

Sample ID	Lab ID	Time minutes	Front ug	Back ug	Total ug	Conc mg/m3	ppm
FILMING-MEK-01 5563	L356099-1	656	1600	<5	1600	66	22
RESIN-MEK-01 2879	L356099-2	661	1600	<5	1600	67	23
BLANK-MEK-01 5516	L356099-8	NA	<5	<5	<5	NA	NA

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

Level of quantitation: 5 ug
Analytical Method : mod. NIOSH 1300; GC/FID BADGE
OSHA PEL : 200 ppm (TWA)
Collection Media : M3M-3520

Submitted by: BDK
Approved by : dnf
Date : 25-SEP-15
Supervisor: KLD

NYS DOH # : 11626
QC by: CRD

< -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

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LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS
Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Account No.: 19649
Login No. : L356099
Date Analyzed : 21-SEP-15
Report ID : 901666

n-Methyl-2-Pyrrolidone

Sample ID	Lab ID	Time minutes	Front ug	Back ug	Total ug	Conc mg/m3	ppm
RESIN-NMP-01 5324	L356099-3	661	40	<5	47	2.4	0.60
TEST-NMP-01 5335	L356099-5	475	15	<5	18	1.3	0.32
BLANK-NMP-01 5485	L356099-10	NA	<5	<5	<6	NA	NA

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

Level of quantitation: 5 ug
Analytical Method : mod. NIOSH 1302; GC/FID BADGE
OSHA PEL : NA
Collection Media : M3M-3520

Submitted by: BLD/KLD
Approved by : dnf
Date : 25-SEP-15
Supervisor: KLD

NYS DOH # : 11626
QC by: CRD

< -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

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LABORATORY ANALYSIS REPORT

Client : Argus Pacific
Site : NS
Date Sampled : 16-SEP-15
Date Received : 18-SEP-15

Account No.: 19649
Login No. : L356099
Date Analyzed : 22-SEP-15 - 24-SEP-15
Report ID : 901047

Total Dust

Sample ID	Lab ID	Air Vol liter	Total mg	Conc mg/m3
RECEIVE-PART-01	L356099-20	37.5	0.13	3.5
BLANK-PART-01	L356099-21	NA	<0.050	NA

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

Level of quantitation: 0.050 mg
Analytical Method : mod. NIOSH 0500; Gravimetric
OSHA PEL : PNOR 15 mg/m3 (TWA)
Collection Media : PVC PW 37mm

Submitted by: JMP/MNS
Approved by : CRI
Date : 24-SEP-15
Supervisor: CRI

NYS DOH # : 11626
QC by: CRD

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

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LABORATORY FOOTNOTE REPORT

Client Name : Argus Pacific
Site :

Date Sampled : 16-SEP-15
Date Received: 18-SEP-15
Date Analyzed: 21-SEP-15 - 24-SEP-15

Account No.: 19649
Login No. : L356099

Unless otherwise noted below, all quality control results associated with the samples were within established control limits or did not impact reported results.

The laboratory does not have control over sampling; reported concentrations are based on client-supplied information (e.g. air volume, sampling time, area).

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 preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may 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 below, reported results have not been blank corrected for any field blank or method blank.

L356099 (Report ID: 901555):
Total ug corrected for a desorption efficiency of 99%.
Please note that back media results above the LOQ have been multiplied by a factor of 2.2 in all "total ug" calculations (as specified in the 3M method).
SOPs: GC-SOP-12(11), GC-SOP-16(16), GC-SOP-9(16)

L356099 (Report ID: 901555):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Acetone	+/-10.2%	95.4%

L356099 (Report ID: 901557):
Total ug corrected for a desorption efficiency of 99%.
Please note that back media results above the LOQ have been multiplied by a factor of 2.2 in all "total ug" calculations (as specified in the 3M method).
SOPs: GC-SOP-12(11), GC-SOP-16(16), GC-SOP-9(16)

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

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LABORATORY FOOTNOTE REPORT

Client Name : Argus Pacific
Site :

Date Sampled : 16-SEP-15
Date Received: 18-SEP-15
Date Analyzed: 21-SEP-15 - 24-SEP-15

Account No.: 19649
Login No. : L356099

L356099 (Report ID: 901557):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Methylene Chloride	+/-10.3%	99%

L356099 (Report ID: 901558):
Total ug corrected for a desorption efficiency of 100%.
Please note that back media results above the LOQ have been multiplied by a factor of 2.2 in all "total ug" calculations (as specified in the 3M method).
SOPs: GC-SOP-12(11), GC-SOP-16(16), GC-SOP-9(16)

L356099 (Report ID: 901558):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Methyl Ethyl Ketone	+/-7.3%	95.5%

L356099 (Report ID: 901666):
Total ug corrected for a desorption efficiency of 85%.
Please note that back media results above the LOQ have been multiplied by a factor of 2.2 in all "total ug" calculations (as specified in the 3M method).
SOPs: GC-SOP-12(11), GC-SOP-16(16), GC-SOP-9(16)

L356099 (Report ID: 901666):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
n-Methyl-2-Pyrrolidone	+/-16.7%	100%

L356099 (Report ID: 901941):
Total ug corrected for a desorption efficiency of 97%.

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

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LABORATORY FOOTNOTE REPORT

Client Name : Argus Pacific
Site :

Date Sampled : 16-SEP-15
Date Received: 18-SEP-15
Date Analyzed: 21-SEP-15 - 24-SEP-15

Account No.: 19649
Login No. : L356099

L356099 (Report ID: 901941):
SOPs: GC-SOP-12(11), GC-SOP-16(16), GC-SOP-9(16)

L356099 (Report ID: 901941):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Acetone	+/-8%	98%

L356099 (Report ID: 901942):
Total ug corrected for a desorption efficiency of 100%.
SOPs: GC-SOP-12(11), GC-SOP-16(16), GC-SOP-9(16)

L356099 (Report ID: 901942):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Methylene Chloride	+/-8.5%	97.9%

L356099 (Report ID: 901943):
Total ug corrected for a desorption efficiency of 96%.
SOPs: GC-SOP-12(11), GC-SOP-16(16), GC-SOP-9(16)

L356099 (Report ID: 901943):
Accuracy and mean recovery data presented below is based on a 95% confidence interval (k=2).
The estimated uncertainty applies to the media, technology, and SOP referenced in this report and does not account for the uncertainty associated with the sampling process.

Parameter	Accuracy	Mean Recovery
Methyl Ethyl Ketone	+/-5.3%	99.8%

L356099 (Report ID: 901047):
SOPs: GRAV-SOP-5(12), GRAV-SOP-6(11)

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

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LABORATORY FOOTNOTE REPORT

Client Name : Argus Pacific
Site :

Date Sampled : 16-SEP-15
Date Received: 18-SEP-15
Date Analyzed: 21-SEP-15 - 24-SEP-15

Account No.: 19649
Login No. : L356099

L356099 (Report ID: 901047):
Gravimetric analytical accuracy of the sampling media is -0.005 +/- 0.007 mg (average blank weight change +/- 95% confidence interval or k=2). The estimated uncertainly applies to the media, technology, and SOP(s) referenced in this report and does not account for any uncertainty associated with the sampling process.
PNOR = Particulates Not Otherwise Regulated.

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

1356099

4538789344
te:09/18/15
ipper:FEDEX
itials:sk
sp:PCA355527

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

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%

Client Acct No.: 19649
Original Prep No.: PCA355527
CS Rep: AFRATESCHI
Online COC No.: 21028

Report To: Mr. Conor Foley
Company Name: Argus Pacific
Address 1: 1900 West Nickerson St.
Address 2: Suite 315
City, State Zip: Seattle, WA 98119-1650
Phone No.: 206 - 518 - 6089
Cell No.: 650 - 743 - 4363
Email reports to: conor@arguspacific.com
Comments:

Invoice To: Mr. ~~Scott Parker~~ Conor Foley
Company Name: Argus Pacific
Address 1: 1900 West Nickerson St.
Address 2: Suite 315
City, State Zip: Seattle, WA 98119-1650
Phone No.: 206 - 285 - 3373
Email Address: ~~sparker~~@arguspacific.com
Comments: Conor
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)

115 117

☐ Samples submitted using the FreePumpLoan™ Program
☑ Samples submitted using the FreeSamplingBadges™ Program

Site Name: Project: Sampled By:

List description of industry or Process/interferences present in sampling area: Composites manufacturing

State samples were collected in (e.g., NY): WA

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

Comments:

Samples Received in Light Sensitve Material: (Yes) or No

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.)
Filming-MEK-01 FZ5563	9/16/15	3M 3520 FZ5563	—	~~656 min~~ ~~66/min~~	VOCs (please specify) MEK	mod. NIOSH 1500/1501; GC/FID BADGE	Cleaning w/ MEK
Resin-MEK-01 (FZ2879)	9/16/15	3M 3520 FZ2879	—	66/min	VOCs (please specify) MEK	mod. NIOSH 1500/1501; GC/FID BADGE	Cleaning resin mixers
Resin-NMP-01 (FZ5324)	9/16/15	3M 3520 FZ5324	—	66/min	VOCs (please specify) N-methyl-pyrrolidone	mod. NIOSH 1500/1501; GC/FID BADGE	Cleaning resin mixers

☐ ^ 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:	Conor Foley		9/17/15	1:45pm	Received By:				
Relinquished By:	~~Conor Foley~~				Received By:	M.Krause	M.Krause	9/18/15	0932

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

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Comments :

Samples Received in ~~Light Sensitive~~ Material: (Yes) or No

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.)
Test-CL-01 (FZ5487)	9/16/15	3M 3520 FZ5487	—	710 min	VOCs (please specify) Methylene Chloride	mod. NIOSH 1500/1501; GC/FID BADGE	Testing
Test-NMP-01 FZ5335	9/16/15	3M 3520 FZ5335	—	475 min	VOCs (please specify) N-methyl pyrrolidone	mod. NIOSH 1500/1501; GC/FID BADGE	Testing
Test-Ace-01 FZ5267	9/16/15	3M 3520 FZ5267	—	475 min	VOCs (please specify) Acetone	mod. NIOSH 1500/1501; GC/FID BADGE	Testing
Main-Ace-01 (FZ5506)	9/16/15	3M 3520 FZ5506	—	470 min	VOCs (please specify) Acetone	mod. NIOSH 1500/1501; GC/FID BADGE	Cleaning
Blank-MEK-01 (FZ5516)	9/16/15	3M 3520 FZ5516	—	0 min	VOCs (please specify) MEK	mod. NIOSH 1500/1501; GC/FID BADGE	
Blank-CL-01 (FZ5345)	9/16/15	3M 3520 FZ5346	—	0 min	VOCs (please specify) methylene chloride	mod. NIOSH 1500/1501; GC/FID BADGE	
Blank-NMP-01 (FZ5485)	9/16/15	3M 3520 FZ5485	—	0 min	VOCs (please specify) N-methyl pyrrolidone	mod. NIOSH 1500/1501; GC/FID BADGE	
Blank-Ace-01 (FZ5306)	9/16/15	3M 3520 FZ5306	—	0 min	VOCs (please specify) Acetone	mod. NIOSH 1500/1501; GC/FID BADGE	
—	—	3M 3520 —	—	—	VOCs (please specify) —	mod. NIOSH 1500/1501; GC/FID BADGE	—
Filming-MEK-02	9/16/15	Assay N566	—	15 min	VOCs (please specify) MEK	mod. NIOSH 1500/1501; GC/FID BADGE	Cleaning w/ MEK

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Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By :	Conor Foley		9/17/15	1:45pm	Received By :				
Relinquished By :					Received By :	M. Kraus	M. Kraus	9/18/15	0922

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Comments :

Samples Received in Light Sensitve Material: (Yes) or No

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.)
Resin-MEK-02 (LE4904)	9/16/15	Assay N566 LE4904	—	15 min	VOCs (please specify) MEK	mod. NIOSH 1500/1501; GC/FID BADGE	Resin Vessel Cleaning
Test-CL-02	9/16/15	Assay N566 LE6220	—	15 min	VOCs (please specify) methylene Chloride	mod. NIOSH 1500/1501; GC/FID BADGE	# Testing
Test-Ace-02	9/16/15	Assay N566 LE3381	—	15 min	VOCs (please specify) Acetone	mod. NIOSH 1500/1501; GC/FID BADGE	Testing
Main-Ace-02	9/16/15	Assay N566	—	15 min	VOCs (please specify) Acetone	mod. NIOSH 1500/1501; GC/FID BADGE	Cleaning
Blank-MEK-01 (LE2449)	9/16/15	Assay N566 LE2449		0 min	VOCs (please specify) MEK	mod. NIOSH 1500/1501; GC/FID BADGE	
Blank-CL-01 (LE6315)	9/16/15	Assay N566 LE6315		0 min	VOCs (please specify) methylene Chloride	mod. NIOSH 1500/1501; GC/FID BADGE	
Blank-Ace-01 (LE6922)	9/16/15	Assay N566 LE6922		0 min	VOCs (please specify) acetone	mod. NIOSH 1500/1501; GC/FID BADGE	
—	—	Assay N566 —	—	—	VOCs (please specify) —	mod. NIOSH 1500/1501; GC/FID BADGE	—
—	—	Assay N566 —	—	—	VOCs (please specify) —	mod. NIOSH 1500/1501; GC/FID BADGE	—
Receive-Part-01	9/16/15	2pc 37mm PW PVC	37.5 L	15 min	Dust, Total	mod. NIOSH 0500; Gravimetric	Sampling

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Chain of Custody	Print Name / Signature		Date	Time		Print Name / Signature		Date	Time
Relinquished By :	Conor Foley		9/17/15	1:45pm	Received By :				
Relinquished By :					Received By :	M. Krause	M. Krause	9/18/15	0922

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

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Comments :

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.)
Blank-Paut-01	9/16/15	2pc 37mm PW PVC	0 L	0 min	Dust, Total	mod. NIOSH 0500; Gravimetric	
—	—	2pc 37mm PW PVC	—	—	Dust, Total	mod. NIOSH 0500; Gravimetric	—

☐ ^ 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 :	Conor Foley		9/17/15	1:45pm	Received By :				
Relinquished By :					Received By :	M. Krauss	M. Krauss	9/18/15	0922

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

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