

## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-177819-1  
Client Project/Site: Houghton Park - Medium Voltage

**For:**

Haley & Aldrich, Inc.  
200 Town Centre Drive #2  
Rochester, New York 14623-4264

Attn: James Siegfried PE



Authorized for release by:  
11/23/2020 3:54:49 PM

Steve Hartmann, Project Manager I  
(413)572-4000  
[Steve.Hartmann@Eurofinset.com](mailto:Steve.Hartmann@Eurofinset.com)

### LINKS

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

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

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



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# Definitions/Glossary

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate recovery exceeds control limits

## Glossary

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

# Case Narrative

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

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## Job ID: 480-177819-1

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Laboratory: Eurofins TestAmerica, Buffalo

### Narrative

Job Narrative  
480-177819-1

### Comments

No additional comments.

### Receipt

The sample was received on 11/6/2020 10:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

### GC Semi VOA

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

### Organic Prep

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

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# Detection Summary

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

**Client Sample ID: 9150-110520-1210**

**Lab Sample ID: 480-177819-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aroclor 1260	250		250	110	ug/Kg	1		*	8082A	Total/NA
Polychlorinated biphenyls, Total	250		250	110	ug/Kg	1		*	8082A	Total/NA

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: Haley & Aldrich, Inc.  
 Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

**Client Sample ID: 9150-110520-1210**

**Lab Sample ID: 480-177819-1**

Date Collected: 11/05/20 12:10

Matrix: Solid

Date Received: 11/06/20 10:00

Percent Solids: 91.1

**Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		250	48	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
Aroclor 1221	ND		250	48	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
Aroclor 1232	ND		250	48	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
Aroclor 1242	ND		250	48	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
Aroclor 1248	ND		250	48	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
Aroclor 1254	ND		250	110	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
<b>Aroclor 1260</b>	<b>250</b>		250	110	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
<b>Polychlorinated biphenyls, Total</b>	<b>250</b>		250	110	ug/Kg	☼	11/18/20 15:20	11/20/20 02:08	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl	114		65 - 174				11/18/20 15:20	11/20/20 02:08	1
DCB Decachlorobiphenyl	132		65 - 174				11/18/20 15:20	11/20/20 02:08	1

# Surrogate Summary

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCBP1 (65-174)	DCBP2 (65-174)
480-177819-1	9150-110520-1210	132	114
LCS 480-559769/2-A	Lab Control Sample	185 X	159
MB 480-559769/1-A	Method Blank	140	120

#### Surrogate Legend

DCBP = DCB Decachlorobiphenyl

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# QC Sample Results

Client: Haley & Aldrich, Inc.  
 Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

## Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-559769/1-A

Matrix: Solid

Analysis Batch: 560078

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 559769

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	ND		230	45	ug/Kg		11/18/20 15:20	11/20/20 01:06	1
Aroclor 1221	ND		230	45	ug/Kg		11/18/20 15:20	11/20/20 01:06	1
Aroclor 1232	ND		230	45	ug/Kg		11/18/20 15:20	11/20/20 01:06	1
Aroclor 1242	ND		230	45	ug/Kg		11/18/20 15:20	11/20/20 01:06	1
Aroclor 1248	ND		230	45	ug/Kg		11/18/20 15:20	11/20/20 01:06	1
Aroclor 1254	ND		230	110	ug/Kg		11/18/20 15:20	11/20/20 01:06	1
Aroclor 1260	ND		230	110	ug/Kg		11/18/20 15:20	11/20/20 01:06	1
Polychlorinated biphenyls, Total	ND		230	110	ug/Kg		11/18/20 15:20	11/20/20 01:06	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	120		65 - 174	11/18/20 15:20	11/20/20 01:06	1
DCB Decachlorobiphenyl	140		65 - 174	11/18/20 15:20	11/20/20 01:06	1

Lab Sample ID: LCS 480-559769/2-A

Matrix: Solid

Analysis Batch: 560078

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 559769

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aroclor 1016	2170	3310		ug/Kg		152	51 - 185
Aroclor 1260	2170	3250		ug/Kg		150	61 - 184

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	159		65 - 174
DCB Decachlorobiphenyl	185	X	65 - 174



# QC Association Summary

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

## GC Semi VOA

### Prep Batch: 559769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177819-1	9150-110520-1210	Total/NA	Solid	3550C	
MB 480-559769/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-559769/2-A	Lab Control Sample	Total/NA	Solid	3550C	

### Analysis Batch: 560078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177819-1	9150-110520-1210	Total/NA	Solid	8082A	559769
MB 480-559769/1-A	Method Blank	Total/NA	Solid	8082A	559769
LCS 480-559769/2-A	Lab Control Sample	Total/NA	Solid	8082A	559769

## General Chemistry

### Analysis Batch: 560032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177819-1	9150-110520-1210	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

**Client Sample ID: 9150-110520-1210**

**Lab Sample ID: 480-177819-1**

Date Collected: 11/05/20 12:10

Matrix: Solid

Date Received: 11/06/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	560032	11/19/20 16:57	IMZ	TAL BUF

**Client Sample ID: 9150-110520-1210**

**Lab Sample ID: 480-177819-1**

Date Collected: 11/05/20 12:10

Matrix: Solid

Date Received: 11/06/20 10:00

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			559769	11/18/20 15:20	ATG	TAL BUF
Total/NA	Analysis	8082A		1	560078	11/20/20 02:08	NC	TAL BUF

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

## Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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

Analysis Method	Prep Method	Matrix	Analyte
8082A	3550C	Solid	Polychlorinated biphenyls, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

# Method Summary

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF

**Protocol References:**

EPA = US Environmental Protection Agency

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

**Laboratory References:**

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



# Sample Summary

Client: Haley & Aldrich, Inc.  
Project/Site: Houghton Park - Medium Voltage

Job ID: 480-177819-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177819-1	9150-110520-1210	Solid	11/05/20 12:10	11/06/20 10:00	

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**Chain of Custody Record**

<b>Client Information</b>		Sampler: <b>SAM ASNER</b>		Lab PM: Hartmann, Steve	Carrier Tracking No(s): 480-152634-33934.1	
Client Contact: Samantha Fisher		Phone: 585.921.7224		E-Mail: Steve.Hartmann@Eurofinset.com	Page: Page 1 of 1	
Company: Haley & Aldrich, Inc.		Address: 200 Town Centre Drive #2		Job #: <b>079045</b>		
City: Rochester		State, Zip: NY, 14623-4264		Preservation Codes: A - HCL    M - Hexane B - NaOH    N - None C - Zn Acetate    O - AsNaO2 D - Nitric Acid    P - Na2O4S E - NaHSO4    Q - Na2SO3 F - MeOH    R - Na2S2O3 G - Amchlor    S - H2SO4 H - Ascorbic Acid    T - TSP Dodecahydrate I - Ice    U - Acetone J - DI Water    V - MCAA K - EDTA    W - pH 4-5 L - EDA    Z - other (specify) Other:		
Due Date Requested:		TAT Requested (days):		Total Number of containers		
STAND ARD		0130457-033		8082A - PCBs		
PO #: 0130457-033		WO #:		Field Filtered Sample (Yes or No)		
Project #: 48020859		SSOW#:		Perform MS/MSD (Yes or No)		
Site: HOUSTON PARK - MENON VOLTAGE		Sample Date: 11/9/20		Matrix (Water, Solid, Over-satellit)		
Email: <a href="mailto:SEisher@haleyaldrich.com">SEisher@haleyaldrich.com</a>		Sample Time: 12:10		Sample Type (C=comp, G=grab) Preservation Code:		
Project Name: HOUSTON PARK - MENON VOLTAGE		11/9/20 12:10		C Solid		
Sample Identification		9150-110520 - 1210		Special Instructions/Note:		
Matrix		SLF		 480-177819 Chain of Custody		

<b>Possible Hazard Identification</b>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Method of Shipment:	
Date/Time: 11/5/20, 13:55		Date/Time: 11/6/20, 16:00	
Relinquished by: A Fisher		Company: Haley & Aldrich	
Date/Time:		Date/Time:	
Relinquished by:		Company:	
Date/Time:		Date/Time:	
Custody Seal Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 2.7 # ICE	

## Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 480-177819-1

**Login Number: 177819**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Sabuda, Brendan D**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

