

# AUGUST 2022 PCB COMPLIANCE MONITORING – AIR & WIPE SAMPLING

## Malibu High School

September 13, 2022

Prepared For:

### Santa Monica-Malibu Unified School District

Facilities Improvements Projects

2828 4<sup>th</sup> Street

Santa Monica, CA 90405

N|V|5

NV5 – Alta Environmental  
3777 Long Beach Blvd, Annex Building  
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SMSD-21-10596

## EXECUTIVE SUMMARY

On behalf of the Santa Monica-Malibu Unified School District (District), Alta Environmental, LP, an NV5 Company (NV5) has prepared this report summarizing polychlorinated biphenyl (PCB) compliance monitoring activities completed in August 2022 for select buildings within the Malibu High School campus, located at 30215 Morning View Drive, Malibu, California 90265. The sampling activities were conducted to investigate the potential presence of detectable polychlorinated biphenyl (PCB) compounds in ambient air and on non-porous surfaces, if any, within Buildings J, I, H, and F.

Concentrations of PCBs in air were only detected in samples collected from select locations within Buildings F and J, ranging from 0.052J micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) to 0.099J  $\mu\text{g}/\text{m}^3$ . The reported concentrations are below the United States Environmental Protection Agency (USEPA) criteria for evaluating exposure levels in indoor air at school sites.

Concentrations of PCBs in surface wipes were only detected in samples collected from select locations within Building J, ranging from 0.82J micrograms per 100 square centimeters ( $\mu\text{g}/100\text{cm}^2$ ) to 0.86J  $\mu\text{g}/100\text{cm}^2$ . The reported concentrations are below the EPA Region IX health-based benchmark.

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**REPORTED:** September 13, 2022      **PROJECT NO.:** SMSD-22-10596

**CLIENT:** Santa Monica-Malibu Unified School District  
Facility Improvements Projects  
2828 4<sup>th</sup> Street  
Santa Monica, California 90405

**ATTENTION:** Mr. Carey Upton

**REF:** PCB Compliance Sampling Report – August 2022  
Malibu High School  
30215 Morning View Drive  
Malibu, CA, 90265

## 1.0 PROJECT BACKGROUND

The Santa Monica-Malibu Unified School District (District) retained Alta Environmental, LP, an NV5 Company, (NV5) to conduct air and wipe sampling services for Malibu High School, located at 30215 Morning View Drive, Malibu, CA 90265. This report presents the findings of our August 2022 sampling event.

## 2.0 PURPOSE OF INSPECTION AND SAMPLING

The objective of the sampling program is to monitor concentration trends of detectable polychlorinated biphenyl (PCB) compounds in ambient air and on non-porous surfaces, if any, within select buildings on the Malibu High School campus.

## 3.0 SCOPE OF SERVICES

During the course of our investigation, NV5 collected a total of 11 air samples (including 1 ambient background sample) and a total of 32 wipe samples (including 2 duplicate sample).

## 4.0 METHODOLOGY

During this sampling event, NV5 conducted air and wipe sampling within Malibu High School Building J (4 locations), Building I (2 locations), Building F (3 locations), and Building H (1 location). Figures depicting the sample locations are presented in Appendix A.

Following collection, each sample was properly packaged, labeled, and stored within a chilled cooler pending transport to Eurofins Environment Testing America (Eurofins) laboratories located in Tustin, California (wipe samples) and in West Sacramento, California (air samples). The wipe samples were prepared for analysis by the laboratory using EPA Method 3540 (Soxhlet extraction) and were analyzed for PCBs using EPA Method 8082; The air samples were analyzed for PCBs using EPA Method TO-10A. The following sections provide a brief overview of the methodologies used during the sampling event.

## 4.1 AIR SAMPLING

Each air sample was collected utilizing a calibrated pump to draw air through laboratory supplied polyurethane foam cartridges at a flow rate of approximately 5 liters per minute, for approximately 24 hours. The air samples were collected at breathing zone height and without the use of pre-filters.

## 4.2 WIPE SAMPLING

Each wipe sample was collected on laboratory supplied gauze pads (or similar sampling media) in general accordance with the *Standard Wipe Test* procedure described in 40 CFR 761.123.

# 5.0 RESULTS

## 5.1 AIR SAMPLING

Based on the reported laboratory results, concentrations of PCBs were only detected in the following air samples:

<u>Sample Location</u>	<u>Sample Number</u>	<u>Total PCBs (<math>\mu\text{g}/\text{m}^3</math>)</u>
Building J, Room 711	J-711	0.099J
Building J, Room 712	J-712	0.079J
Building J, Room 723	J-723	0.092J
Building F, Room 302	F-302	0.052J
Building F, Room 301	F-301	0.059J

Notes:

1)  $\mu\text{g}/\text{m}^3$  = micrograms per cubic meter

2) A "J-flag" designation indicates that the reported concentration was detected above the method detection limit, but below the laboratory's practical quantitative limit.

The results of these samples were compared to the USEPA's criteria for evaluating exposure levels in indoor air at school sites. The criteria are as follows:

<u>Age in Years Range</u>	<u>1 to &lt;2</u>	<u>2 to &lt;3</u>	<u>3 to &lt;6</u>	<u>6 to &lt;12</u>	<u>12 to &lt;15</u>	<u>15 to &lt;19</u>	<u>19 +</u>
PCBs $\mu\text{g}/\text{m}^3$	100	100	200	300	500	600	500

## 5.2 WIPE SAMPLING

Based on the reported laboratory results, concentrations of PCBs were not detected in any of the analyzed wipe samples, with the exception of the following:

<u>Sample Location</u>	<u>Sample Number</u>	<u>Total PCBs (<math>\mu\text{g}/100\text{cm}^2</math>)<sup>1</sup></u>
Building J, Room 711, Bench	J-711-W2	0.86J
Building J, Room 712, Bench	J-712-W2	0.82J

## Notes:

- 1)  $\mu\text{g}/100\text{cm}^2$  = micrograms per 100 square centimeters;
- 2) A "J-flag" designation indicates that the reported concentration was detected above the method detection limit, but below the laboratory's practical quantitative limit.

All reported concentrations are below the EPA Region XI health-based benchmark of  $1\mu\text{g}/100\text{cm}^2$ .

## 6.0 QUALITY CONTROL

Quality control (QC) field-blank and duplicate samples were collected during this investigation as methods to evaluate sampling and analytical precision. NV5 collected 1 ambient air background sample and 2 duplicate surface wipe samples during the course of this investigation. Laboratory results of the QC samples were reported within acceptable limits.

As mentioned above, Eurofins analyzed all air and wipe samples during this sampling event. Eurofins is accredited by the California Environmental Laboratory Accreditation Program. Based on a review of the laboratory quality control data associated with the sample analysis, the recovery and precision are within the acceptable limits of the laboratory.

## 7.0 CONCLUSIONS

Concentrations of PCB Aroclor-1254 and Aroclor-1260 were detected in the air samples collected from select locations within Buildings F and J, ranging from  $0.052\mu\text{g}/\text{m}^3$  to  $0.099\mu\text{g}/\text{m}^3$ . Based on the age of students and staff occupying these areas, the reported concentrations are below the USEPA's criteria for evaluating exposure levels in indoor air at school sites.

Concentrations of PCB Aroclor-1254 were detected in wipe samples collected from select locations within Building J ranging from  $0.82\mu\text{g}/\text{cm}^2$  to  $0.86\mu\text{g}/\text{cm}^2$ . The reported concentrations are below the EPA Region IX health-based benchmark of  $1\mu\text{g}/100\text{cm}^2$ .

## 8.0 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by the District and may not be relied upon by any other person or entity without NV5's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. NV5 cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, NV5 has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, NV5 accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

NV5 will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. NV5 makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

NV5's investigation and the conclusions and recommendations generated as a result reflect a subjective evaluation of limited data and thus may not be representative of all conditions present at the site. If you have any questions, please feel free to call the undersigned at (562) 495-5777.

## 9.0 SIGNATORY

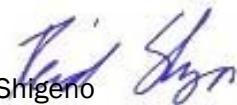
Respectfully submitted by:

NV5

  
Jonathan Barkman  
Project Manager

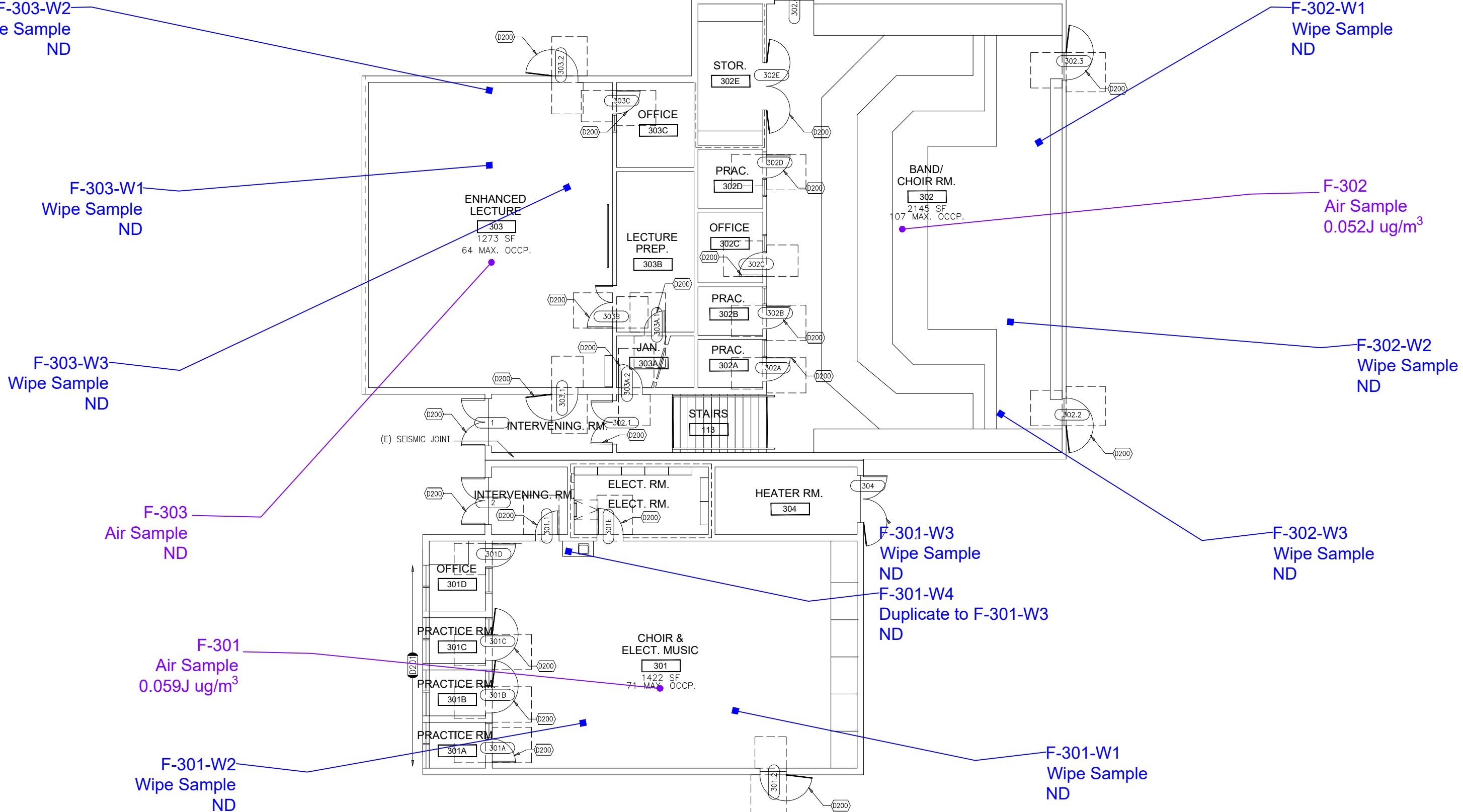
Reviewed by:

NV5

  
Reid Shigeno  
Project Manager

## Appendix A

Figures



#### Legend

- Air Sample
- Wipe Sample

## Sample Location Map - Building F

Malibu High School  
30215 Morning View Drive  
Malibu, California



**NV5**  
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DATE: September 2022 | Project No.: SMSD-21-10596

H-600-W3  
Wipe Sample  
ND

H-600-W1  
Wipe Sample  
ND

H-600-W3  
Wipe Sample  
ND

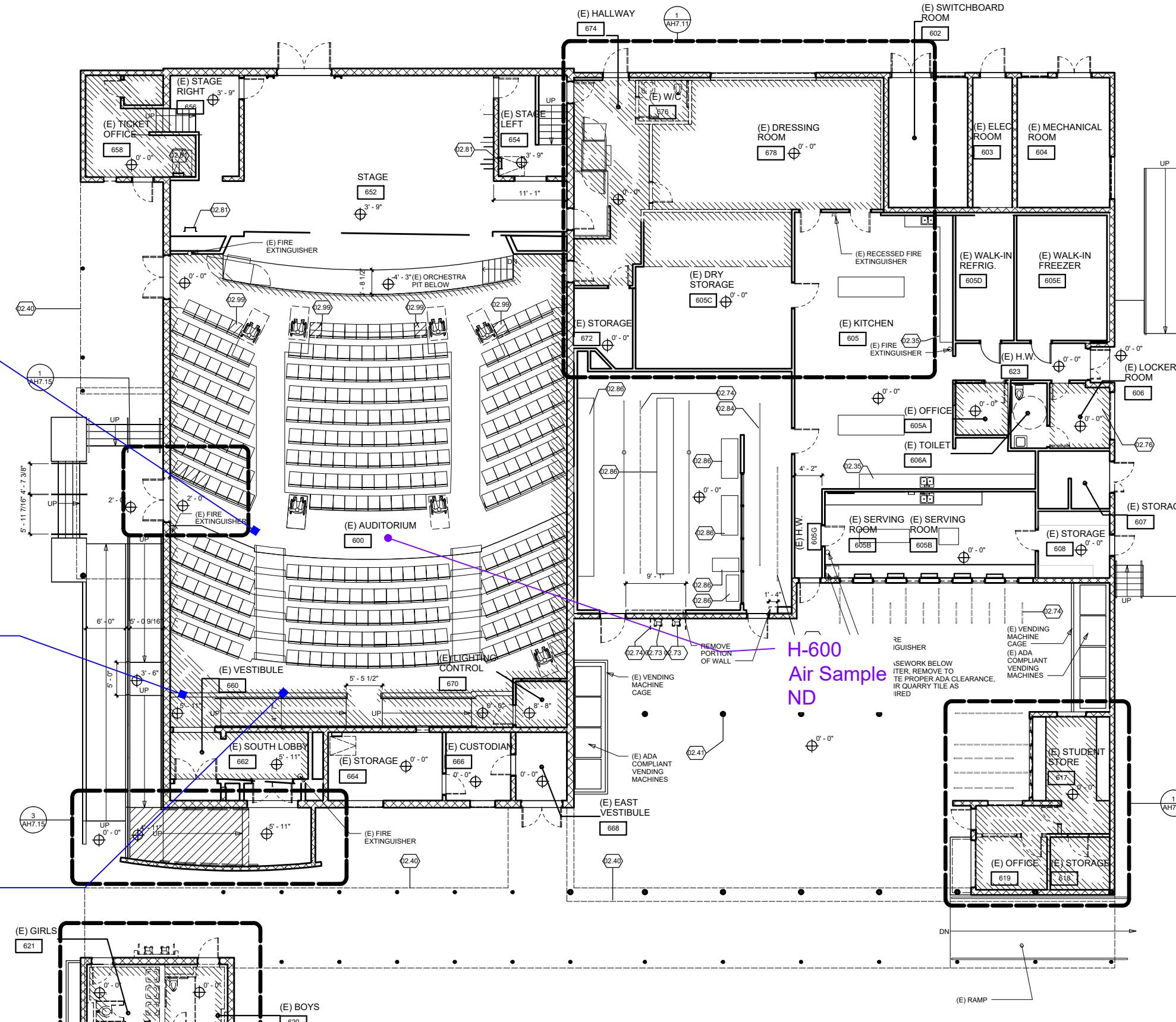
H-600  
Air Sample  
ND

Legend

- Air Sample
- Wipe Sample

## Sample Location Map - Building H

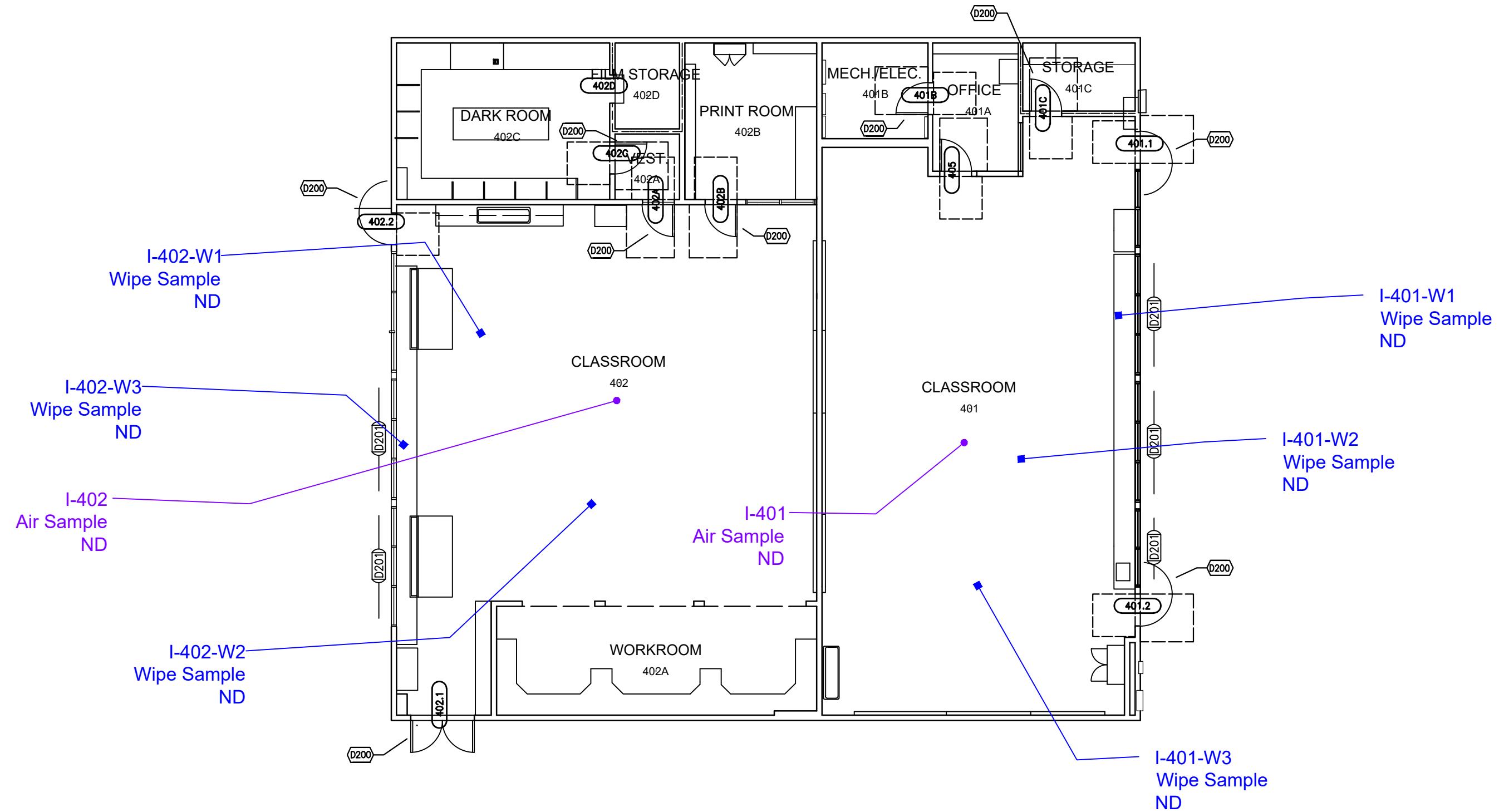
Malibu High School  
30215 Morning View Drive  
Malibu, California



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Legend

● Air Sample

■ Wipe Sample

## Sample Location Map - Building I

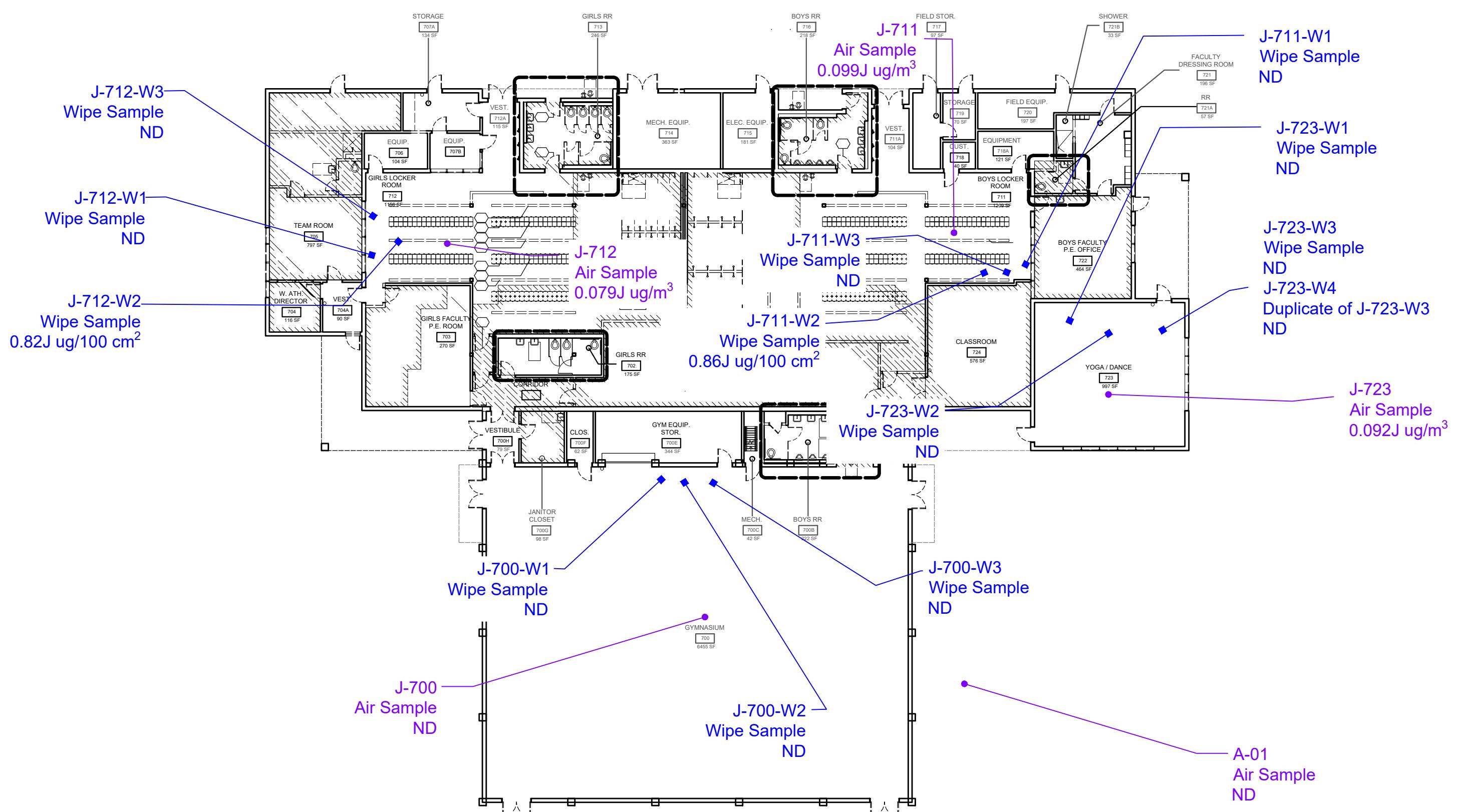
Malibu High School  
30215 Morning View Drive  
Malibu, California



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#### Legend

● Air Sample

■ Wipe Sample

## Sample Location Map - Building J

Malibu High School  
30215 Morning View Drive  
Malibu, California



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DATE: September 2022 | Project No.: SMSD-21-10596

## Appendix B

Sample Inventories

Summary of Malibu High School Air Sampling Results

**CLIENT:** SMMUSD  
**PROJECT** SMSD-21-10596  
**PROJECT:** Malibu High School Compliance Sampling  
**Date:** August 2022

Building	Room Placard ID	Room Description	Sampling Date <sup>[a]</sup>	Sample ID	Total PCBs ( $\mu\text{g}/\text{m}^3$ )
J	700	Gym	8/1/2022	J-700	ND
J	711	Boy's locker room	8/1/2022	J-711	0.099J
J	712	Girl's locker room	8/1/2022	J-712	0.079J
I	402	Photography	8/1/2022	I-402	ND
I	401	Art	8/1/2022	I-401	ND
F	303	Orchestra	8/1/2022	F-303	ND
F	302	Band	8/1/2022	F-302	0.052J
F	301	Choir	8/1/2022	F-301	0.059J
H	600	Auditorium	8/1/2022	H-600	ND
J	723	Yoga	8/1/2022	J-723	0.092J
Ambient	N/A	N/A	8/1/2022	A-01	ND

Notes:

[a] Air samples were collected over a 24-hour period with the lights on, windows and door closed, and ventilation off. Start date given.

Laboratory Practical Quantitative Limit = 0.10  $\mu\text{g}/\text{m}^3$

Laboratory Method Detection Limit = 0.046  $\mu\text{g}/\text{m}^3$

Abbreviations:

$\mu\text{g}/\text{m}^3$  = micrograms per cubic meter

ND = compound was analyzed for but not detected above the laboratory reporting limit

J = A "J-flag" designation indicates that the reported concentration was detected above the method detection limit, but below the laboratory's practical quantitative limit

Summary of Malibu High School Surface Wipe Sampling Results

**CLIENT:** SMMUSD  
**PROJECT NO:** SMSD-21-10596  
**PROJECT:** Malibu High School Compliance Sampling  
**Date:** August 2022

Building	Floor Plan ID	Component Description	Sampling Date	Sample ID	Total PCBs ( $\mu\text{g}/100\text{cm}^2$ )
H	600	Wood desk	8/1/2022	H-600-W1	ND
H	600	Wood railing	8/1/2022	H-600-W2	ND
H	600	Concrete floor	8/1/2022	H-600-W3	ND
I	402	Laminate countertop	8/1/2022	I-402-W1	ND
I	402	12" gray floor tile	8/1/2022	I-402-W2	ND
I	402	Blacktop desk	8/1/2022	I-402-W3	ND
I	401	Laminate countertop	8/1/2022	I-401-W1	ND
I	401	12" gray floor tile	8/1/2022	I-401-W2	ND
I	401	Blacktop desk	8/1/2022	I-401-W3	ND
F	303	Gray flooring	8/1/2022	F-303-W1	ND
F	303	Clear plastic stand	8/1/2022	F-303-W2	ND
F	303	Plastic chair	8/1/2022	F-303-W3	ND
F	302	Laminate countertop	8/1/2022	F-302-W1	ND
F	302	Wood stool	8/1/2022	F-302-W2	ND
F	302	Wood cabinet	8/1/2022	F-302-W3	ND
F	301	12" gray floor tile	8/1/2022	F-301-W1	ND
F	301	Wood chair	8/1/2022	F-301-W2	ND
F	301	Sink countertop	8/1/2022	F-301-W3	ND
F	301	Sink countertop	8/1/2022	F-301-W4 (duplicate)	ND
J	723	Wood desk	8/2/2022	J-723-W1	ND
J	723	Plastic chair	8/2/2022	J-723-W2	ND
J	723	Wood floor	8/2/2022	J-723-W3	ND
J	723	Wood floor	8/2/2022	J-723-W4 (duplicate)	ND
J	700	Wood floor	8/2/2022	J-700-W1	ND
J	700	Table	8/2/2022	J-700-W2	ND
J	700	Chair	8/2/2022	J-700-W3	ND
J	712	Window ledge	8/2/2022	J-712-W1	ND
J	712	Bench	8/2/2022	J-712-W2	<b>0.82J</b>
J	712	Concrete floor	8/2/2022	J-712-W3	ND
J	711	Window ledge	8/2/2022	J-711-W1	ND
J	711	Bench	8/2/2022	J-711-W2	<b>0.86J</b>
J	711	Concrete floor	8/2/2022	J-711-W3	ND

Notes:

Method Detection Limits range between 0.54 - 0.99  $\mu\text{g}/100\text{cm}^2$

$\mu\text{g}/100\text{cm}^2$  = microgram per 100 square centimeters

PCB = polychlorinated biphenyl

J = A "J-flag" designation indicates that the reported concentration was detected above the method detection limit, but below the laboratory's practical quantitative limit

## Appendix C

Laboratory Reports



Environment Testing  
America



## ANALYTICAL REPORT

Eurofins Sacramento  
880 Riverside Parkway  
West Sacramento, CA 95605  
Tel: (916)373-5600

Laboratory Job ID: 320-90734-1

Client Project/Site: Santa Monica Malibu USD / Malibu H.S.  
Revision: 1

For:  
NV5, Inc  
3777 Long Beach Blvd,  
Long Beach, California 90807

Attn: Jonathan Barkman

Authorized for release by:

8/29/2022 3:13:24 PM

Lee Ann Heathcote, Project Manager II

(916)374-4333

[LeeAnn.Heathcote@et.eurofinsus.com](mailto:LeeAnn.Heathcote@et.eurofinsus.com)

### LINKS

Review your project  
results through



Have a Question?



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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: NV5, Inc

Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## Qualifiers

### Air - GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: NV5, Inc  
Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## Job ID: 320-90734-1

### Laboratory: Eurofins Sacramento

#### Narrative

#### Job Narrative 320-90734-1

#### Revision

This report was revised on 8/29/2022 to issue data to the method detection limit (MDL) per client request.

#### Comments

On 8/5/2022 the client provided a revised Chain-of-Custody (COC) that listed updated sample volumes.

#### Receipt

The samples were received on 8/5/2022 9:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8° C.

#### Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. Neither COC nor client labels listed sample collection times. The times were logged in using a default time of 00:00.

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): H-600 (320-90734-10). The client label listed sample ID as "H-600"; however, COC listed sample ID as "M-600". Sample was logged in according to COC.

#### GC Semi VOA

The client provided their own air sampling media for samples, and no extra polyurethane foam (PUF) plugs for batch quality control (QC) samples. The air media used for the QC samples was provided by the laboratory. The QC consisted of method blank (MB), laboratory control sample (LCS), and laboratory control sample duplicate (LCSD).

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

#### Organic Prep

Method TO-10: The following samples had water present in the Soxhlet extract due to condensation build-up in the cooling condensers: J-700 (320-90734-1), I-401 (320-90734-6), F-301 (320-90734-9) and A-01 (320-90734-11). Sodium sulfate was used during the concentration step of extraction to remove the water from the samples.

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

## Detection Summary

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

### **Client Sample ID: J-700**

**Lab Sample ID: 320-90734-1**

No Detections.

### **Client Sample ID: J-711**

**Lab Sample ID: 320-90734-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.099	J	0.10	0.046	ug/m <sup>3</sup> PUF	1		TO-10A	Total/NA

### **Client Sample ID: J-712**

**Lab Sample ID: 320-90734-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.079	J	0.10	0.046	ug/m <sup>3</sup> PUF	1		TO-10A	Total/NA

### **Client Sample ID: J-723**

**Lab Sample ID: 320-90734-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.092	J	0.10	0.046	ug/m <sup>3</sup> PUF	1		TO-10A	Total/NA

### **Client Sample ID: I-402**

**Lab Sample ID: 320-90734-5**

No Detections.

### **Client Sample ID: I-401**

**Lab Sample ID: 320-90734-6**

No Detections.

### **Client Sample ID: F-303**

**Lab Sample ID: 320-90734-7**

No Detections.

### **Client Sample ID: F-302**

**Lab Sample ID: 320-90734-8**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.052	J	0.11	0.046	ug/m <sup>3</sup> PUF	1		TO-10A	Total/NA

### **Client Sample ID: F-301**

**Lab Sample ID: 320-90734-9**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1260	0.059	J	0.10	0.046	ug/m <sup>3</sup> PUF	1		TO-10A	Total/NA

### **Client Sample ID: H-600**

**Lab Sample ID: 320-90734-10**

No Detections.

### **Client Sample ID: A-01**

**Lab Sample ID: 320-90734-11**

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento





# Client Sample Results

Client: NV5, Inc

Job ID: 320-90734-1

Project/Site: Santa Monica Malibu USD / Malibu H.S.

**Client Sample ID: I-401**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

Sample Container: PUF

**Lab Sample ID: 320-90734-6**

Matrix: Air

## Method: TO-10A - PCBs in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.047	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 16:35		1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 120			08/05/22 11:01	08/09/22 16:35		1
DCB Decachlorobiphenyl	92		60 - 120			08/05/22 11:01	08/09/22 16:35		1

**Client Sample ID: F-303**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

Sample Container: PUF

**Lab Sample ID: 320-90734-7**

Matrix: Air

## Method: TO-10A - PCBs in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 16:55		1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	70		60 - 120			08/05/22 11:01	08/09/22 16:55		1
DCB Decachlorobiphenyl	72		60 - 120			08/05/22 11:01	08/09/22 16:55		1

**Client Sample ID: F-302**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

Sample Container: PUF

**Lab Sample ID: 320-90734-8**

Matrix: Air

## Method: TO-10A - PCBs in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1
PCB-1221	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1
PCB-1232	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1
PCB-1242	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1
PCB-1248	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1
<b>PCB-1254</b>	<b>0.052 J</b>		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1
PCB-1260	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1
PCB-1268	ND		0.11	0.046	ug/m <sup>3</sup> PUF	08/05/22 11:01	08/09/22 17:37		1

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# Client Sample Results

Client: NV5, Inc  
 Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## Client Sample ID: F-302

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

Sample Container: PUF

## Lab Sample ID: 320-90734-8

Matrix: Air

### Method: TO-10A - PCBs in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1268	ND		0.11	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		60 - 120				08/05/22 11:01	08/09/22 17:37	1
DCB Decachlorobiphenyl	88		60 - 120				08/05/22 11:01	08/09/22 17:37	1

## Client Sample ID: F-301

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

Sample Container: PUF

## Lab Sample ID: 320-90734-9

Matrix: Air

### Method: TO-10A - PCBs in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
PCB-1221	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
PCB-1232	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
PCB-1242	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
PCB-1248	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
PCB-1254	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
<b>PCB-1260</b>	<b>0.059 J</b>		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
PCB-1262	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
PCB-1268	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		60 - 120				08/05/22 11:01	08/09/22 17:57	1
DCB Decachlorobiphenyl	88		60 - 120				08/05/22 11:01	08/09/22 17:57	1

## Client Sample ID: H-600

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

Sample Container: PUF

## Lab Sample ID: 320-90734-10

Matrix: Air

### Method: TO-10A - PCBs in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1221	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1232	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1242	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1248	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1254	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1260	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1262	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
PCB-1268	ND		0.10	0.046	ug/m <sup>3</sup> PUF		08/05/22 11:01	08/09/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		60 - 120				08/05/22 11:01	08/09/22 18:18	1
DCB Decachlorobiphenyl	92		60 - 120				08/05/22 11:01	08/09/22 18:18	1

# Client Sample Results

Client: NV5, Inc  
 Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

**Client Sample ID: A-01**  
**Date Collected: 08/01/22 00:00**  
**Date Received: 08/05/22 09:35**  
**Sample Container: PUF**

**Lab Sample ID: 320-90734-11**  
**Matrix: Air**

## Method: TO-10A - PCBs in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1221	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1232	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1242	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1248	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1254	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1260	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1262	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
PCB-1268	ND		0.11	0.046	ug/m3 PUF	08/05/22 11:01	08/09/22 18:38		1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene	89			60 - 120			08/05/22 11:01	08/09/22 18:38	1
DCB Decachlorobiphenyl	83			60 - 120			08/05/22 11:01	08/09/22 18:38	1

# Surrogate Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## Method: TO-10A - PCBs in Ambient Air

Matrix: Air

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TCX2 (60-120)	DCBP2 (60-120)	
320-90734-1	J-700	83	93	
320-90734-2	J-711	91	86	
320-90734-3	J-712	92	87	
320-90734-4	J-723	83	75	
320-90734-5	I-402	95	98	
320-90734-6	I-401	99	92	
320-90734-7	F-303	70	72	
320-90734-8	F-302	83	88	
320-90734-9	F-301	91	88	
320-90734-10	H-600	83	92	
320-90734-11	A-01	89	83	
LCS 320-607641/2-B	Lab Control Sample	91	85	
LCSD 320-607641/3-B	Lab Control Sample Dup	88	74	
MB 320-607641/1-B	Method Blank	83	95	

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## Method: TO-10A - PCBs in Ambient Air

**Lab Sample ID: MB 320-607641/1-B**

**Matrix: Air**

**Analysis Batch: 608343**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 607644**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1221	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1232	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1242	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1248	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1254	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1260	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1262	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1
PCB-1268	ND		0.75	0.33	ug/m3 PUF		08/05/22 11:01	08/09/22 13:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		60 - 120	08/05/22 11:01	08/09/22 13:30	1
DCB Decachlorobiphenyl	95		60 - 120	08/05/22 11:01	08/09/22 13:30	1

**Lab Sample ID: LCS 320-607641/2-B**

**Matrix: Air**

**Analysis Batch: 608343**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 607644**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
PCB-1016	2.00	1.88		ug/m3 PUF		94	65 - 125
PCB-1260	2.00	1.74		ug/m3 PUF		87	65 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	91		60 - 120
DCB Decachlorobiphenyl	85		60 - 120

**Lab Sample ID: LCSD 320-607641/3-B**

**Matrix: Air**

**Analysis Batch: 608343**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 607644**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD
PCB-1016	2.00	1.86		ug/m3 PUF		93	65 - 125	1
PCB-1260	2.00	1.64		ug/m3 PUF		82	65 - 125	5

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	88		60 - 120
DCB Decachlorobiphenyl	74		60 - 120

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# QC Association Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## Air - GC Semi VOA

### Pre Prep Batch: 607641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90734-1	J-700	Total/NA	Air	PUF to Air	
320-90734-2	J-711	Total/NA	Air	PUF to Air	
320-90734-3	J-712	Total/NA	Air	PUF to Air	
320-90734-4	J-723	Total/NA	Air	PUF to Air	
320-90734-5	I-402	Total/NA	Air	PUF to Air	
320-90734-6	I-401	Total/NA	Air	PUF to Air	
320-90734-7	F-303	Total/NA	Air	PUF to Air	
320-90734-8	F-302	Total/NA	Air	PUF to Air	
320-90734-9	F-301	Total/NA	Air	PUF to Air	
320-90734-10	H-600	Total/NA	Air	PUF to Air	
320-90734-11	A-01	Total/NA	Air	PUF to Air	
MB 320-607641/1-B	Method Blank	Total/NA	Air	PUF to Air	
LCS 320-607641/2-B	Lab Control Sample	Total/NA	Air	PUF to Air	
LCSD 320-607641/3-B	Lab Control Sample Dup	Total/NA	Air	PUF to Air	

### Prep Batch: 607644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90734-1	J-700	Total/NA	Air	TO-10	607641
320-90734-2	J-711	Total/NA	Air	TO-10	607641
320-90734-3	J-712	Total/NA	Air	TO-10	607641
320-90734-4	J-723	Total/NA	Air	TO-10	607641
320-90734-5	I-402	Total/NA	Air	TO-10	607641
320-90734-6	I-401	Total/NA	Air	TO-10	607641
320-90734-7	F-303	Total/NA	Air	TO-10	607641
320-90734-8	F-302	Total/NA	Air	TO-10	607641
320-90734-9	F-301	Total/NA	Air	TO-10	607641
320-90734-10	H-600	Total/NA	Air	TO-10	607641
320-90734-11	A-01	Total/NA	Air	TO-10	607641
MB 320-607641/1-B	Method Blank	Total/NA	Air	TO-10	607641
LCS 320-607641/2-B	Lab Control Sample	Total/NA	Air	TO-10	607641
LCSD 320-607641/3-B	Lab Control Sample Dup	Total/NA	Air	TO-10	607641

### Analysis Batch: 608343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-90734-1	J-700	Total/NA	Air	TO-10A	607644
320-90734-2	J-711	Total/NA	Air	TO-10A	607644
320-90734-3	J-712	Total/NA	Air	TO-10A	607644
320-90734-4	J-723	Total/NA	Air	TO-10A	607644
320-90734-5	I-402	Total/NA	Air	TO-10A	607644
320-90734-6	I-401	Total/NA	Air	TO-10A	607644
320-90734-7	F-303	Total/NA	Air	TO-10A	607644
320-90734-8	F-302	Total/NA	Air	TO-10A	607644
320-90734-9	F-301	Total/NA	Air	TO-10A	607644
320-90734-10	H-600	Total/NA	Air	TO-10A	607644
320-90734-11	A-01	Total/NA	Air	TO-10A	607644
MB 320-607641/1-B	Method Blank	Total/NA	Air	TO-10A	607644
LCS 320-607641/2-B	Lab Control Sample	Total/NA	Air	TO-10A	607644
LCSD 320-607641/3-B	Lab Control Sample Dup	Total/NA	Air	TO-10A	607644

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## **Client Sample ID: J-700**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

## **Lab Sample ID: 320-90734-1**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7165.44 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 14:31	K1D	EET SAC

## **Client Sample ID: J-711**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

## **Lab Sample ID: 320-90734-2**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7179.56 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 14:52	K1D	EET SAC

## **Client Sample ID: J-712**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

## **Lab Sample ID: 320-90734-3**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7162.08 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 15:13	K1D	EET SAC

## **Client Sample ID: J-723**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

## **Lab Sample ID: 320-90734-4**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7177.71 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 15:54	K1D	EET SAC

## **Client Sample ID: I-402**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

## **Lab Sample ID: 320-90734-5**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7133.84 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 16:14	K1D	EET SAC

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# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

**Client Sample ID: I-401**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

**Lab Sample ID: 320-90734-6**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7002.8 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 16:35	K1D	EET SAC

**Client Sample ID: F-303**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

**Lab Sample ID: 320-90734-7**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7134.8 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 16:55	K1D	EET SAC

**Client Sample ID: F-302**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

**Lab Sample ID: 320-90734-8**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7102.99 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 17:37	K1D	EET SAC

**Client Sample ID: F-301**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

**Lab Sample ID: 320-90734-9**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7177.82 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 17:57	K1D	EET SAC

**Client Sample ID: H-600**

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

**Lab Sample ID: 320-90734-10**

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7177.21 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 18:18	K1D	EET SAC

Eurofins Sacramento

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

**Client Sample ID: A-01**

**Lab Sample ID: 320-90734-11**

Matrix: Air

Date Collected: 08/01/22 00:00

Date Received: 08/05/22 09:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Pre Prep	PUF to Air					607641	08/05/22 10:55	CCL	EET SAC
Total/NA	Prep	TO-10			7102.92 L	10 mL	607644	08/05/22 11:01	CCL	EET SAC
Total/NA	Analysis	TO-10A		1	1 mL	1.0 mL	608343	08/09/22 18:38	K1D	EET SAC

**Laboratory References:**

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

# Accreditation/Certification Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

## Laboratory: Eurofins Sacramento

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4040	01-29-23

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
TO-10A	TO-10	Air	PCB-1262

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## Method Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / Malibu H.S.

Job ID: 320-90734-1

Method	Method Description	Protocol	Laboratory
TO-10A	PCBs in Ambient Air	EPA	EET SAC
PUF to Air	PUF to Air Conversion	None	EET SAC
TO-10	Extraction of Pesticide/PCBs in (Ambient Air)	EPA	EET SAC

**Protocol References:**

EPA = US Environmental Protection Agency

None = None

**Laboratory References:**

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

# Sample Summary

Client: NV5, Inc

Job ID: 320-90734-1

Project/Site: Santa Monica Malibu USD / Malibu H.S.

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-90734-1	J-700	Air	08/01/22 00:00	08/05/22 09:35
320-90734-2	J-711	Air	08/01/22 00:00	08/05/22 09:35
320-90734-3	J-712	Air	08/01/22 00:00	08/05/22 09:35
320-90734-4	J-723	Air	08/01/22 00:00	08/05/22 09:35
320-90734-5	I-402	Air	08/01/22 00:00	08/05/22 09:35
320-90734-6	I-401	Air	08/01/22 00:00	08/05/22 09:35
320-90734-7	F-303	Air	08/01/22 00:00	08/05/22 09:35
320-90734-8	F-302	Air	08/01/22 00:00	08/05/22 09:35
320-90734-9	F-301	Air	08/01/22 00:00	08/05/22 09:35
320-90734-10	H-600	Air	08/01/22 00:00	08/05/22 09:35
320-90734-11	A-01	Air	08/01/22 00:00	08/05/22 09:35

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Eurofins Sacramento



## Calscience

### CHAIN OF CUSTODY RECORD

		WC # / LAB USE ONLY	DATE:	08/02/22
		PAGE:	<u>1</u>	OF <u>2</u>
7440 Lincoln Way, Gardena, CA 90241-1427 • (714) 895-5494 For counter service / sample drop off information, contact USCB samples@eurofinsus.com or call us. LABORATORY CLIENT				
ADDRESS 3777 Long Beach Blvd, Annex				
CITY Long Beach		STATE CA	ZIP 90807	
TEL (310) 920-8404	E-MAIL jonathan.barkman@nv5.com; theresa.rizari@nv5.com	SPECIAL INSTRUCTIONS		
<input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input checked="" type="checkbox"/> STANDARD				
TURNAROUND TIME (rush charges may apply to any 'FAST' not 'STANDARD')				
<input type="checkbox"/> COELT EDF <input type="checkbox"/> GLOBAL ID		LOG CODE		
Please check box or fill in blank as needed				
LAB USE ONLY				
LAB USE ONLY	SAMPLE ID	SAMPLING DATE	MATRIX TIME	NO. OF CONT.
J-700	11/122	9:15		1
J-711				
J-712				
J-723				
I-402				
T-401				
F-303				
F-302				
F-301				
H-600				
Unpreserved Preserved Field Filtered				
<input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO <input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO TPH <input type="checkbox"/> C8-C36 <input type="checkbox"/> C6-C44 TPH _____ BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> VOCs (8260) Oxygenates (8260) Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core SVOCs (8270) Pesticides (8081) PCBs (8082) PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218.6				
<b>REQUESTED ANALYSES</b>				
Jonathan Barkman <i>R. J. Barkman</i>				
Client Project Name / Number: Santa Monica Malibu USD / Malibu H.S. / SMSD-21-10586 Project Contact: Jonathan Barkman Sampler(s) (Print): R.J. Barkman				
<b>RECEIVED BY:</b> <u>T. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u> <b>RELEASER:</b> <u>P. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u> <b>RETRIEVER:</b> <u>P. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u>				
Received by (Signature/Affiliation): <u>T. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u> Received by (Signature/Affiliation): <u>P. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u> Received by (Signature/Affiliation): <u>P. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u>				
Received by (Signature/Affiliation): <u>P. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u>				
320-90734 Chain of Custody				
<b>TO - 10<sub>g</sub> (PCBs)</b> Volume (L)				
X 7165.44 64602 7777.56 2179.56 64602 7763.08 2162.08 64602 7777.56 2177.71 64602 7735.84 2133.84 64602 7100.28 2102.8 71 34.8 71 02.99 71 77.92 71 177.21				
Received by (Signature/Affiliation): <u>T. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u> Received by (Signature/Affiliation): <u>P. R. Barkman</u> Date: <u>8/3/22</u> Time: <u>10:28</u>				



Calscience

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For counter service / sample drop off information, contact us26 sales@eurofinsus.com or call us.

LABORATORY CLIENT Alta Environmental / NV5

ADDRESS 3777 Long Beach Blvd, Annex

CLIENT PROJECT NAME / NUMBER Santa Monica Malibu USD / SMSD-21-10596

P.O. NO.

PROJECT CONTACT

CITY Long Beach

Jonathan Barkman

STATE CA

ZIP 90807

SAMPLER(S) (PRINT)

Randy Flors

## REQUESTED ANALYSES

Please check box or fill in blank as needed.

<input checked="" type="checkbox"/> Volumetric (L)
<input type="checkbox"/> Toluene (PCBs)
<input type="checkbox"/> CRVI) □ 7196 □ 7199 □ 218.6
<input type="checkbox"/> T22 Metals □ 6010/T47X □ 6020/T47X
<input type="checkbox"/> PAHS □ 8270 □ 8270 SIM
<input type="checkbox"/> PCBs (8082)
<input type="checkbox"/> Pesticides (8081)
<input type="checkbox"/> SVOCs (8270)
<input type="checkbox"/> Prep (5035) □ En Core □ Terra Core
<input type="checkbox"/> Oxygenates (8260)
<input type="checkbox"/> VOCs (8260)
<input type="checkbox"/> BTEX / MTBE □ 8260 □
<input type="checkbox"/> TPH
<input type="checkbox"/> TPH □ C6-C36 □ C6-C44
<input type="checkbox"/> □ TPH(d) □ DRO
<input type="checkbox"/> □ TPH(g) □ GRO
<input type="checkbox"/> Field Filtered
<input type="checkbox"/> Preserved
<input type="checkbox"/> Unpreserved
<input type="checkbox"/> LOG CODE
<input type="checkbox"/> GLOBAL ID
<input type="checkbox"/> COELT EDF
<input type="checkbox"/> STANDARD
<input type="checkbox"/> 5 DAYS
<input type="checkbox"/> 72 HR
<input type="checkbox"/> 48 HR
<input type="checkbox"/> 24 HR
<input type="checkbox"/> SAME DAY

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD")

 COELT EDF STANDARD 5 DAYS 72 HR 48 HR 24 HR SAME DAY

SPECIAL INSTRUCTIONS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	MATRIX	NO. OF CONT.
	J-700	8/1/22	aq/s	1
	J-711			
	J-712			
	J-723			
	T-402			
	T-401			
	F-303			
	F-302			
	F-301			
	H-600			

Reinquished by: (Signature) Tim.	Received by: (Signature/Affiliation) T. R. Zinn, Ph.D.	Date: 8/3/22	Time: 10:28
Reinquished by: (Signature) Henry	Received by: (Signature/Affiliation) Henry	Date: 8/15/22	Time: 9:15
Reinquished by: (Signature) Henry	Received by: (Signature/Affiliation) Henry	Date: 8/15/22	Time: 9:15

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494

For counter service / sample drop off information, contact us26\_sales@neurofinstus.com or call us

LABORATORY CLIENT Alta Environmental / NV5

ADDRESS 3777 Long Beach Blvd, Annex

CITY Long Beach

 TEL: (310) 920-8404  
 (310) 920-8404

E-MAIL: jonathan.barkman@nv5.com; therese.nzarri@nv5.com

TURNAROUND TIME (Rush surcharges may apply to any THAT not "STANDARD")

 SAME DAY    24 HR    48 HR    72 HR    5 DAYS    STANDARD

LOG CODE

COELT EDF

GLOBAL ID

SPECIAL INSTRUCTIONS

WO # / LAB USE ONLY	
DATE:	08/02/22
PAGE:	2 OF 2

CLIENT PROJECT NAME / NUMBER	Santa Monica Malibu USD / Malibu H.S. / SMSD-21-10596	P.O. NO.	SAMPLER(S) (PRINT)
PROJECT CONTACT	Jonathan Barkman	Randy Flores	
REQUESTED ANALYSES			
Please check box or fill in blank as needed			
<input type="checkbox"/> Volume (L)	<input type="checkbox"/> 10-10	<input type="checkbox"/> 10-20	<input type="checkbox"/> 10-30
<input type="checkbox"/> Cr(VI) □ 7196 □ 7199 □ 2186	<input type="checkbox"/> T22 Metals □ 6010/747X □ 6020/747X	<input type="checkbox"/> PAHS □ 8270 □ 8270 SIM	<input type="checkbox"/> PCBs (8082)
<input type="checkbox"/> TPH □ GC-36 □ GC-C44	<input type="checkbox"/> Prep (5035) □ En Core □ Terra Core	<input type="checkbox"/> SVOCs (8270)	<input type="checkbox"/> Pesticides (8081)
<input type="checkbox"/> TPH(d) □ DR0	<input type="checkbox"/> BTEX / MTBE □ 8260	<input type="checkbox"/> VOCs (8260)	<input type="checkbox"/> Oxygenates (8260)
<input type="checkbox"/> TPH(g) □ GRO	<input type="checkbox"/> TPH	<input type="checkbox"/> VOCs (8260)	<input type="checkbox"/> SVOCs (8270)
<input type="checkbox"/> COLENT EDF	<input type="checkbox"/> Global ID	<input type="checkbox"/> Log Code	<input type="checkbox"/> Field Filtered
<input type="checkbox"/> SPECIAL INSTRUCTIONS		<input type="checkbox"/> Unpreserved	<input type="checkbox"/> Preserved
<input type="checkbox"/> LAB USE ONLY	<input type="checkbox"/> Sampling	<input type="checkbox"/> Matrix	<input type="checkbox"/> No. of Cont.
	DATE	TIME	
A-01	8/1/22	4:15	1
Received by: (Signature/Affiliation) <i>T. R. Barkman</i>			
Received by: (Signature/Affiliation) <i>J. Flores</i>			
Received by: (Signature/Affiliation) <i>J. Flores</i>			
Date: 8/2/22	Time: 10:30	Date: 8/3/22	Time: 10:28
Date: 8/2/22 Time: 10:30			

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06/02/14 Revision

## Login Sample Receipt Checklist

Client: NV5, Inc

Job Number: 320-90734-1

**Login Number:** 90734

**List Source:** Eurofins Sacramento

**List Number:** 1

**Creator:** Her, David A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Refer to Job Narrative for details.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Environment Testing  
America



## ANALYTICAL REPORT

Eurofins Calscience  
2841 Dow Avenue, Suite 100  
Tustin, CA 92780  
Tel: (714)895-5494

Laboratory Job ID: 570-105236-1

Client Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Revision: 1

For:

NV5, Inc  
3777 Long Beach Blvd,  
Long Beach, California 90807

Attn: Jonathan Barkman

*Vik Patel*

Authorized for release by:

8/24/2022 11:39:20 AM

Vikas Patel, Project Manager I  
(714)895-5494  
[Vikas.Patel@et.eurofinsus.com](mailto:Vikas.Patel@et.eurofinsus.com)

### LINKS

Review your project  
results through



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[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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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QC Sample Results .....	19
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Certification Summary .....	30
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Sample Summary .....	32
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# Definitions/Glossary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

## Qualifiers

### GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

## Job ID: 570-105236-1

### Laboratory: Eurofins Calscience

#### Narrative

#### Job Narrative 570-105236-1

#### Comments

No additional comments.

#### Revision

The report being provided is a revision of the original report sent on 8/17/2022. The report (revision 1) is being revised due to: a change request to report MDLs.

#### Receipt

The samples were received on 8/3/2022 10:29 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.0° C.

#### GC Semi VOA

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

#### Organic Prep

Method 3540C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-254464. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

8082

Method 3540C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-254458. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

8082

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

## Detection Summary

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

<b>Client Sample ID: J-723-W1</b>	<b>Lab Sample ID: 570-105236-1</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-723-W2</b>	<b>Lab Sample ID: 570-105236-2</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-723-W3</b>	<b>Lab Sample ID: 570-105236-3</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-723-W4</b>	<b>Lab Sample ID: 570-105236-4</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-700-W1</b>	<b>Lab Sample ID: 570-105236-5</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-700-W2</b>	<b>Lab Sample ID: 570-105236-6</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-700-W3</b>	<b>Lab Sample ID: 570-105236-7</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-712-W1</b>	<b>Lab Sample ID: 570-105236-8</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-712-W2</b>	<b>Lab Sample ID: 570-105236-9</b>																				
<table><thead><tr><th>Analyte</th><th>Result</th><th>Qualifier</th><th>RL</th><th>MDL</th><th>Unit</th><th>Dil Fac</th><th>D</th><th>Method</th><th>Prep Type</th></tr></thead><tbody><tr><td>Aroclor-1254</td><td>0.82</td><td>J p</td><td>1.0</td><td>0.54</td><td>ug/Sample</td><td>1</td><td></td><td>8082</td><td>Total/NA</td></tr></tbody></table>	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type	Aroclor-1254	0.82	J p	1.0	0.54	ug/Sample	1		8082	Total/NA	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type												
Aroclor-1254	0.82	J p	1.0	0.54	ug/Sample	1		8082	Total/NA												
<b>Client Sample ID: J-712-W3</b>	<b>Lab Sample ID: 570-105236-10</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-711-W1</b>	<b>Lab Sample ID: 570-105236-11</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: J-711-W2</b>	<b>Lab Sample ID: 570-105236-12</b>																				
<table><thead><tr><th>Analyte</th><th>Result</th><th>Qualifier</th><th>RL</th><th>MDL</th><th>Unit</th><th>Dil Fac</th><th>D</th><th>Method</th><th>Prep Type</th></tr></thead><tbody><tr><td>Aroclor-1254</td><td>0.86</td><td>J p</td><td>1.0</td><td>0.54</td><td>ug/Sample</td><td>1</td><td></td><td>8082</td><td>Total/NA</td></tr></tbody></table>	Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type	Aroclor-1254	0.86	J p	1.0	0.54	ug/Sample	1		8082	Total/NA	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type												
Aroclor-1254	0.86	J p	1.0	0.54	ug/Sample	1		8082	Total/NA												
<b>Client Sample ID: J-711-W3</b>	<b>Lab Sample ID: 570-105236-13</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: H-600-W1</b>	<b>Lab Sample ID: 570-105236-14</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: H-600-W2</b>	<b>Lab Sample ID: 570-105236-15</b>																				
<input type="checkbox"/> No Detections.																					
<b>Client Sample ID: H-600-W3</b>	<b>Lab Sample ID: 570-105236-16</b>																				
<input type="checkbox"/> No Detections.																					

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

## Detection Summary

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

<b>Client Sample ID: F-303-W1</b>	<b>Lab Sample ID: 570-105236-17</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-303-W2</b>	<b>Lab Sample ID: 570-105236-18</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-303-W3</b>	<b>Lab Sample ID: 570-105236-19</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-302-W1</b>	<b>Lab Sample ID: 570-105236-20</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-302-W2</b>	<b>Lab Sample ID: 570-105236-21</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-302-W3</b>	<b>Lab Sample ID: 570-105236-22</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-301-W1</b>	<b>Lab Sample ID: 570-105236-23</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-301-W2</b>	<b>Lab Sample ID: 570-105236-24</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-301-W3</b>	<b>Lab Sample ID: 570-105236-25</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: F-301-W4</b>	<b>Lab Sample ID: 570-105236-26</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: I-402-W1</b>	<b>Lab Sample ID: 570-105236-27</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: I-402-W2</b>	<b>Lab Sample ID: 570-105236-28</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: I-402-W3</b>	<b>Lab Sample ID: 570-105236-29</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: I-401-W1</b>	<b>Lab Sample ID: 570-105236-30</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: I-401-W2</b>	<b>Lab Sample ID: 570-105236-31</b>
<input type="checkbox"/> No Detections.	
<b>Client Sample ID: I-401-W3</b>	<b>Lab Sample ID: 570-105236-32</b>
<input type="checkbox"/> No Detections.	

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

**Client Sample ID: J-723-W1**

**Date Collected: 08/02/22 13:44**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-1**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:32	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:32	1

**Surrogate**

**%Recovery**

**Qualifier**

**Limits**

**Prepared**

**Analyzed**

**Dil Fac**

**Client Sample ID: J-723-W2**

**Date Collected: 08/02/22 13:45**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-2**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:50	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 03:50	1

**Surrogate**

**%Recovery**

**Qualifier**

**Limits**

**Prepared**

**Analyzed**

**Dil Fac**

**Client Sample ID: J-723-W3**

**Date Collected: 08/02/22 13:50**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-3**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:08	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:08	1

**Surrogate**

**%Recovery**

**Qualifier**

**Limits**

**Prepared**

**Analyzed**

**Dil Fac**

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# Client Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

Client Sample ID: J-723-W4

Date Collected: 08/02/22 13:50

Date Received: 08/03/22 10:29

Lab Sample ID: 570-105236-4

Matrix: Wipe

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:26	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surr)	94		24 - 136				08/04/22 12:17	08/09/22 04:26	1
DCB Decachlorobiphenyl (Surr)	112		37 - 135				08/04/22 12:17	08/09/22 04:26	1

Client Sample ID: J-700-W1

Date Collected: 08/02/22 14:40

Date Received: 08/03/22 10:29

Lab Sample ID: 570-105236-5

Matrix: Wipe

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 04:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surr)	99		24 - 136				08/04/22 12:17	08/09/22 04:44	1
DCB Decachlorobiphenyl (Surr)	118		37 - 135				08/04/22 12:17	08/09/22 04:44	1

Client Sample ID: J-700-W2

Date Collected: 08/02/22 14:40

Date Received: 08/03/22 10:29

Lab Sample ID: 570-105236-6

Matrix: Wipe

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:02	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surr)	91		24 - 136				08/04/22 12:17	08/09/22 05:02	1
DCB Decachlorobiphenyl (Surr)	108		37 - 135				08/04/22 12:17	08/09/22 05:02	1

# Client Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

**Client Sample ID: J-700-W3**

**Date Collected: 08/02/22 14:53**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-7**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:20	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)	98			24 - 136			08/04/22 12:17	08/09/22 05:20	1
DCB Decachlorobiphenyl (Surrogate)	114			37 - 135			08/04/22 12:17	08/09/22 05:20	1

**Client Sample ID: J-712-W1**

**Date Collected: 08/02/22 14:50**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-8**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:38	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)	89			24 - 136			08/04/22 12:17	08/09/22 05:38	1
DCB Decachlorobiphenyl (Surrogate)	114			37 - 135			08/04/22 12:17	08/09/22 05:38	1

**Client Sample ID: J-712-W2**

**Date Collected: 08/02/22 14:50**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-9**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
<b>Aroclor-1254</b>	<b>0.82</b>	<b>J p</b>	1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 05:56	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>		<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)	94			24 - 136			08/04/22 12:17	08/09/22 05:56	1
DCB Decachlorobiphenyl (Surrogate)	117			37 - 135			08/04/22 12:17	08/09/22 05:56	1

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# Client Sample Results

Client: NV5, Inc

Job ID: 570-105236-1

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

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

**Client Sample ID: J-712-W3**
**Date Collected: 08/02/22 14:57**
**Date Received: 08/03/22 10:29**
**Lab Sample ID: 570-105236-10**
**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:14	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surr)		98		24 - 136			08/04/22 12:17	08/09/22 06:14	1
DCB Decachlorobiphenyl (Surr)		116		37 - 135			08/04/22 12:17	08/09/22 06:14	1

**Client Sample ID: J-711-W1**
**Date Collected: 08/02/22 15:00**
**Date Received: 08/03/22 10:29**
**Lab Sample ID: 570-105236-11**
**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:32	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surr)		92		24 - 136			08/04/22 12:17	08/09/22 06:32	1
DCB Decachlorobiphenyl (Surr)		116		37 - 135			08/04/22 12:17	08/09/22 06:32	1

**Client Sample ID: J-711-W2**
**Date Collected: 08/02/22 15:00**
**Date Received: 08/03/22 10:29**
**Lab Sample ID: 570-105236-12**
**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
<b>Aroclor-1254</b>	<b>0.86</b>	<b>J p</b>	1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 06:50	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surr)		99		24 - 136			08/04/22 12:17	08/09/22 06:50	1
DCB Decachlorobiphenyl (Surr)		114		37 - 135			08/04/22 12:17	08/09/22 06:50	1



# Client Sample Results

Client: NV5, Inc  
 Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

**Client Sample ID: H-600-W3**

**Date Collected: 08/01/22 13:02**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-16**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:02	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:02	1

**Surrogate**

**%Recovery**

**Qualifier**

**Limits**

**Prepared**

**Analyzed**

**Dil Fac**

**Client Sample ID: F-303-W1**

**Date Collected: 08/01/22 13:26**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-17**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:20	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:20	1

**Surrogate**

**%Recovery**

**Qualifier**

**Limits**

**Prepared**

**Analyzed**

**Dil Fac**

**Client Sample ID: F-303-W2**

**Date Collected: 08/01/22 13:27**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-18**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:38	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:38	1

**Surrogate**

**%Recovery**

**Qualifier**

**Limits**

**Prepared**

**Analyzed**

**Dil Fac**

# Client Sample Results

Client: NV5, Inc

Job ID: 570-105236-1

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

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

**Client Sample ID: F-303-W3**

**Date Collected: 08/01/22 13:27**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-19**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 08:56	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)		105		24 - 136			08/04/22 12:17	08/09/22 08:56	1
DCB Decachlorobiphenyl (Surrogate)		116		37 - 135			08/04/22 12:17	08/09/22 08:56	1

**Client Sample ID: F-302-W1**

**Date Collected: 08/01/22 13:31**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-20**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 09:14	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)		90		24 - 136			08/04/22 12:17	08/09/22 09:14	1
DCB Decachlorobiphenyl (Surrogate)		116		37 - 135			08/04/22 12:17	08/09/22 09:14	1

**Client Sample ID: F-302-W2**

**Date Collected: 08/01/22 13:32**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-21**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:52	1
<b>Surrogate</b>		<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)		91		24 - 136			08/04/22 12:32	08/08/22 18:52	1
DCB Decachlorobiphenyl (Surrogate)		115		37 - 135			08/04/22 12:32	08/08/22 18:52	1

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# Client Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

**Client Sample ID: F-301-W3****Date Collected: 08/01/22 13:37****Date Received: 08/03/22 10:29****Lab Sample ID: 570-105236-25****Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:21	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:21	1

**Surrogate**

	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr)	80		24 - 136
DCB Decachlorobiphenyl (Surr)	100		37 - 135

**Prepared****Analyzed****Dil Fac****Client Sample ID: F-301-W4****Date Collected: 08/01/22 13:37****Date Received: 08/03/22 10:29****Lab Sample ID: 570-105236-26****Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:39	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:39	1

**Surrogate**

	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr)	91		24 - 136
DCB Decachlorobiphenyl (Surr)	111		37 - 135

**Prepared****Analyzed****Dil Fac****Client Sample ID: I-402-W1****Date Collected: 08/01/22 13:14****Date Received: 08/03/22 10:29****Lab Sample ID: 570-105236-27****Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:57	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 23:57	1

**Surrogate**

	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr)	92		24 - 136
DCB Decachlorobiphenyl (Surr)	108		37 - 135

**Prepared****Analyzed****Dil Fac**

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# Client Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

Client Sample ID: I-402-W2

Date Collected: 08/01/22 13:15

Date Received: 08/03/22 10:29

Lab Sample ID: 570-105236-28

Matrix: Wipe

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)	84		24 - 136				08/04/22 12:32	08/09/22 00:15	1
DCB Decachlorobiphenyl (Surrogate)	99		37 - 135				08/04/22 12:32	08/09/22 00:15	1

Client Sample ID: I-402-W3

Date Collected: 08/01/22 13:15

Date Received: 08/03/22 10:29

Lab Sample ID: 570-105236-29

Matrix: Wipe

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)	94		24 - 136				08/04/22 12:32	08/09/22 00:33	1
DCB Decachlorobiphenyl (Surrogate)	112		37 - 135				08/04/22 12:32	08/09/22 00:33	1

Client Sample ID: I-401-W1

Date Collected: 08/01/22 13:24

Date Received: 08/03/22 10:29

Lab Sample ID: 570-105236-30

Matrix: Wipe

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 00:51	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Tetrachloro-m-xylene (Surrogate)	88		24 - 136				08/04/22 12:32	08/09/22 00:51	1
DCB Decachlorobiphenyl (Surrogate)	108		37 - 135				08/04/22 12:32	08/09/22 00:51	1

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# Client Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

**Client Sample ID: I-401-W2**

**Date Collected: 08/01/22 13:24**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-31**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:09	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:09	1

**Surrogate**

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	92		24 - 136	08/04/22 12:32	08/09/22 01:09	1
DCB Decachlorobiphenyl (Surr)	110		37 - 135	08/04/22 12:32	08/09/22 01:09	1

**Client Sample ID: I-401-W3**

**Date Collected: 08/01/22 13:25**

**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-32**

**Matrix: Wipe**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:27	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/09/22 01:27	1

**Surrogate**

	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	85		24 - 136	08/04/22 12:32	08/09/22 01:27	1
DCB Decachlorobiphenyl (Surr)	115		37 - 135	08/04/22 12:32	08/09/22 01:27	1

# Surrogate Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

Matrix: Wipe

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TCX1 (24-136)	DCB1 (37-135)	
570-105236-1	J-723-W1	93	110	
570-105236-2	J-723-W2	95	111	
570-105236-3	J-723-W3	92	115	
570-105236-4	J-723-W4	94	112	
570-105236-5	J-700-W1	99	118	
570-105236-6	J-700-W2	91	108	
570-105236-7	J-700-W3	98	114	
570-105236-8	J-712-W1	89	114	
570-105236-9	J-712-W2	94	117	
570-105236-10	J-712-W3	98	116	
570-105236-11	J-711-W1	92	116	
570-105236-12	J-711-W2	99	114	
570-105236-13	J-711-W3	75	110	
570-105236-14	H-600-W1	101	113	
570-105236-15	H-600-W2	79	117	
570-105236-16	H-600-W3	91	112	
570-105236-17	F-303-W1	73	112	
570-105236-18	F-303-W2	97	119	
570-105236-19	F-303-W3	105	116	
570-105236-20	F-302-W1	90	116	
570-105236-21	F-302-W2	91	115	
570-105236-22	F-302-W3	88	107	
570-105236-23	F-301-W1	89	104	
570-105236-24	F-301-W2	93	110	
570-105236-25	F-301-W3	80	100	
570-105236-26	F-301-W4	91	111	
570-105236-27	I-402-W1	92	108	
570-105236-28	I-402-W2	84	99	
570-105236-29	I-402-W3	94	112	
570-105236-30	I-401-W1	88	108	
570-105236-31	I-401-W2	92	110	
570-105236-32	I-401-W3	85	115	
LCS 570-254458/2-A	Lab Control Sample	100	115	
LCS 570-254464/2-A	Lab Control Sample	26	89	
LCSD 570-254458/3-A	Lab Control Sample Dup	92	113	
LCSD 570-254464/3-A	Lab Control Sample Dup	82	108	
MB 570-254458/1-A	Method Blank	95	109	
MB 570-254464/1-A	Method Blank	87	107	

### Surrogate Legend

TCX = Tetrachloro-m-xylene (Surr)

DCB = DCB Decachlorobiphenyl (Surr)

# QC Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

**Lab Sample ID: MB 570-254458/1-A**
**Matrix: Wipe**
**Analysis Batch: 255121**
**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 254458**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 01:45	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:17	08/09/22 01:45	1

**MB MB**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	95		24 - 136	08/04/22 12:17	08/09/22 01:45	1
DCB Decachlorobiphenyl (Surr)	109		37 - 135	08/04/22 12:17	08/09/22 01:45	1

**Lab Sample ID: LCS 570-254458/2-A**
**Matrix: Wipe**
**Analysis Batch: 255121**
**Client Sample ID: Lab Control Sample**
**Prep Type: Total/NA**
**Prep Batch: 254458**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec
Aroclor-1016	2.00	2.189		ug/Sample		109	46 - 131
Aroclor-1260	2.00	2.596		ug/Sample		130	40 - 150

**LCS LCS**

Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr)	100		24 - 136
DCB Decachlorobiphenyl (Surr)	115		37 - 135

**Lab Sample ID: LCSD 570-254458/3-A**
**Matrix: Wipe**
**Analysis Batch: 255121**
**Client Sample ID: Lab Control Sample Dup**
**Prep Type: Total/NA**
**Prep Batch: 254458**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec	RPD
Aroclor-1016	2.00	2.049		ug/Sample		102	46 - 131	7
Aroclor-1260	2.00	2.539		ug/Sample		127	40 - 150	2

**LCSD LCSD**

Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene (Surr)	92		24 - 136
DCB Decachlorobiphenyl (Surr)	113		37 - 135

**Lab Sample ID: MB 570-254464/1-A**
**Matrix: Wipe**
**Analysis Batch: 255121**
**Client Sample ID: Method Blank**
**Prep Type: Total/NA**
**Prep Batch: 254464**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:34	1
Aroclor-1221	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:34	1
Aroclor-1232	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:34	1
Aroclor-1242	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:34	1
Aroclor-1248	ND		1.0	0.99	ug/Sample		08/04/22 12:32	08/08/22 18:34	1

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# QC Sample Results

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

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

**Lab Sample ID: MB 570-254464/1-A**

**Matrix: Wipe**

**Analysis Batch: 255121**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

**Prep Batch: 254464**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1254	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:34	1
Aroclor-1260	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:34	1
Aroclor-1262	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:34	1
Aroclor-1268	ND		1.0	0.54	ug/Sample		08/04/22 12:32	08/08/22 18:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene (Surr)	87		24 - 136	08/04/22 12:32	08/08/22 18:34	1
DCB Decachlorobiphenyl (Surr)	107		37 - 135	08/04/22 12:32	08/08/22 18:34	1

**Lab Sample ID: LCS 570-254464/2-A**

**Matrix: Wipe**

**Analysis Batch: 255121**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 254464**

**Lab Sample ID: LCSD 570-254464/3-A**

**Matrix: Wipe**

**Analysis Batch: 255121**

**Client Sample ID: Lab Control Sample Dup**

**Prep Type: Total/NA**

**Prep Batch: 254464**

# QC Association Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

## GC Semi VOA

### Prep Batch: 254458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105236-1	J-723-W1	Total/NA	Wipe	3540C	1
570-105236-2	J-723-W2	Total/NA	Wipe	3540C	2
570-105236-3	J-723-W3	Total/NA	Wipe	3540C	3
570-105236-4	J-723-W4	Total/NA	Wipe	3540C	4
570-105236-5	J-700-W1	Total/NA	Wipe	3540C	5
570-105236-6	J-700-W2	Total/NA	Wipe	3540C	6
570-105236-7	J-700-W3	Total/NA	Wipe	3540C	7
570-105236-8	J-712-W1	Total/NA	Wipe	3540C	8
570-105236-9	J-712-W2	Total/NA	Wipe	3540C	9
570-105236-10	J-712-W3	Total/NA	Wipe	3540C	10
570-105236-11	J-711-W1	Total/NA	Wipe	3540C	11
570-105236-12	J-711-W2	Total/NA	Wipe	3540C	12
570-105236-13	J-711-W3	Total/NA	Wipe	3540C	13
570-105236-14	H-600-W1	Total/NA	Wipe	3540C	14
570-105236-15	H-600-W2	Total/NA	Wipe	3540C	15
570-105236-16	H-600-W3	Total/NA	Wipe	3540C	
570-105236-17	F-303-W1	Total/NA	Wipe	3540C	
570-105236-18	F-303-W2	Total/NA	Wipe	3540C	
570-105236-19	F-303-W3	Total/NA	Wipe	3540C	
570-105236-20	F-302-W1	Total/NA	Wipe	3540C	
MB 570-254458/1-A	Method Blank	Total/NA	Wipe	3540C	
LCS 570-254458/2-A	Lab Control Sample	Total/NA	Wipe	3540C	
LCSD 570-254458/3-A	Lab Control Sample Dup	Total/NA	Wipe	3540C	

### Prep Batch: 254464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105236-21	F-302-W2	Total/NA	Wipe	3540C	1
570-105236-22	F-302-W3	Total/NA	Wipe	3540C	2
570-105236-23	F-301-W1	Total/NA	Wipe	3540C	3
570-105236-24	F-301-W2	Total/NA	Wipe	3540C	4
570-105236-25	F-301-W3	Total/NA	Wipe	3540C	5
570-105236-26	F-301-W4	Total/NA	Wipe	3540C	6
570-105236-27	I-402-W1	Total/NA	Wipe	3540C	7
570-105236-28	I-402-W2	Total/NA	Wipe	3540C	8
570-105236-29	I-402-W3	Total/NA	Wipe	3540C	9
570-105236-30	I-401-W1	Total/NA	Wipe	3540C	10
570-105236-31	I-401-W2	Total/NA	Wipe	3540C	11
570-105236-32	I-401-W3	Total/NA	Wipe	3540C	12
MB 570-254464/1-A	Method Blank	Total/NA	Wipe	3540C	13
LCS 570-254464/2-A	Lab Control Sample	Total/NA	Wipe	3540C	14
LCSD 570-254464/3-A	Lab Control Sample Dup	Total/NA	Wipe	3540C	15

### Analysis Batch: 255121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105236-1	J-723-W1	Total/NA	Wipe	8082	254458
570-105236-2	J-723-W2	Total/NA	Wipe	8082	254458
570-105236-3	J-723-W3	Total/NA	Wipe	8082	254458
570-105236-4	J-723-W4	Total/NA	Wipe	8082	254458
570-105236-5	J-700-W1	Total/NA	Wipe	8082	254458
570-105236-6	J-700-W2	Total/NA	Wipe	8082	254458
570-105236-7	J-700-W3	Total/NA	Wipe	8082	254458

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# QC Association Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

## GC Semi VOA (Continued)

### Analysis Batch: 255121 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-105236-8	J-712-W1	Total/NA	Wipe	8082	254458
570-105236-9	J-712-W2	Total/NA	Wipe	8082	254458
570-105236-10	J-712-W3	Total/NA	Wipe	8082	254458
570-105236-11	J-711-W1	Total/NA	Wipe	8082	254458
570-105236-12	J-711-W2	Total/NA	Wipe	8082	254458
570-105236-13	J-711-W3	Total/NA	Wipe	8082	254458
570-105236-14	H-600-W1	Total/NA	Wipe	8082	254458
570-105236-15	H-600-W2	Total/NA	Wipe	8082	254458
570-105236-16	H-600-W3	Total/NA	Wipe	8082	254458
570-105236-17	F-303-W1	Total/NA	Wipe	8082	254458
570-105236-18	F-303-W2	Total/NA	Wipe	8082	254458
570-105236-19	F-303-W3	Total/NA	Wipe	8082	254458
570-105236-20	F-302-W1	Total/NA	Wipe	8082	254458
570-105236-21	F-302-W2	Total/NA	Wipe	8082	254464
570-105236-22	F-302-W3	Total/NA	Wipe	8082	254464
570-105236-23	F-301-W1	Total/NA	Wipe	8082	254464
570-105236-24	F-301-W2	Total/NA	Wipe	8082	254464
570-105236-25	F-301-W3	Total/NA	Wipe	8082	254464
570-105236-26	F-301-W4	Total/NA	Wipe	8082	254464
570-105236-27	I-402-W1	Total/NA	Wipe	8082	254464
570-105236-28	I-402-W2	Total/NA	Wipe	8082	254464
570-105236-29	I-402-W3	Total/NA	Wipe	8082	254464
570-105236-30	I-401-W1	Total/NA	Wipe	8082	254464
570-105236-31	I-401-W2	Total/NA	Wipe	8082	254464
570-105236-32	I-401-W3	Total/NA	Wipe	8082	254464
MB 570-254458/1-A	Method Blank	Total/NA	Wipe	8082	254458
MB 570-254464/1-A	Method Blank	Total/NA	Wipe	8082	254464
LCS 570-254458/2-A	Lab Control Sample	Total/NA	Wipe	8082	254458
LCS 570-254464/2-A	Lab Control Sample	Total/NA	Wipe	8082	254464
LCSD 570-254458/3-A	Lab Control Sample Dup	Total/NA	Wipe	8082	254458
LCSD 570-254464/3-A	Lab Control Sample Dup	Total/NA	Wipe	8082	254464

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

**Client Sample ID: J-723-W1**  
**Date Collected: 08/02/22 13:44**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-1**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 03:32	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-723-W2**  
**Date Collected: 08/02/22 13:45**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-2**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 03:50	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-723-W3**  
**Date Collected: 08/02/22 13:50**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-3**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 04:08	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-723-W4**  
**Date Collected: 08/02/22 13:50**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-4**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 04:26	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-700-W1**  
**Date Collected: 08/02/22 14:40**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-5**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 04:44	UJ3K	EET CAL 4

Instrument ID: GC58

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

**Client Sample ID: J-700-W2**  
**Date Collected: 08/02/22 14:40**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-6**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 05:02	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-700-W3**  
**Date Collected: 08/02/22 14:53**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-7**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 05:20	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-712-W1**  
**Date Collected: 08/02/22 14:50**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-8**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 05:38	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-712-W2**  
**Date Collected: 08/02/22 14:50**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-9**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 05:56	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-712-W3**  
**Date Collected: 08/02/22 14:57**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-10**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 06:14	UJ3K	EET CAL 4

Instrument ID: GC58

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

**Client Sample ID: J-711-W1**  
**Date Collected: 08/02/22 15:00**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-11**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 06:32	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-711-W2**  
**Date Collected: 08/02/22 15:00**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-12**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 06:50	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: J-711-W3**  
**Date Collected: 08/02/22 15:01**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-13**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 07:08	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: H-600-W1**  
**Date Collected: 08/01/22 13:00**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-14**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 07:26	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: H-600-W2**  
**Date Collected: 08/01/22 13:01**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-15**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 07:44	UJ3K	EET CAL 4

Instrument ID: GC58

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

**Client Sample ID: H-600-W3**  
**Date Collected: 08/01/22 13:02**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-16**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 08:02	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-303-W1**  
**Date Collected: 08/01/22 13:26**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-17**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 08:20	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-303-W2**  
**Date Collected: 08/01/22 13:27**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-18**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 08:38	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-303-W3**  
**Date Collected: 08/01/22 13:27**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-19**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 08:56	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-302-W1**  
**Date Collected: 08/01/22 13:31**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-20**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254458	08/04/22 12:17	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 09:14	UJ3K	EET CAL 4

Instrument ID: GC58

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

**Client Sample ID: F-302-W2**  
**Date Collected: 08/01/22 13:32**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-21**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/08/22 18:52	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-302-W3**  
**Date Collected: 08/01/22 13:32**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-22**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/08/22 19:10	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-301-W1**  
**Date Collected: 08/01/22 13:36**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-23**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/08/22 19:28	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-301-W2**  
**Date Collected: 08/01/22 13:36**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-24**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/08/22 23:03	UJ3K	EET CAL 4

Instrument ID: GC58

**Client Sample ID: F-301-W3**  
**Date Collected: 08/01/22 13:37**  
**Date Received: 08/03/22 10:29**

**Lab Sample ID: 570-105236-25**  
**Matrix: Wipe**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/08/22 23:21	UJ3K	EET CAL 4

Instrument ID: GC58

# Lab Chronicle

Client: NV5, Inc  
Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

**Client Sample ID: F-301-W4**

Date Collected: 08/01/22 13:37

Date Received: 08/03/22 10:29

**Lab Sample ID: 570-105236-26**

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/08/22 23:39	UJ3K	EET CAL 4

**Client Sample ID: I-402-W1**

Date Collected: 08/01/22 13:14

Date Received: 08/03/22 10:29

**Lab Sample ID: 570-105236-27**

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/08/22 23:57	UJ3K	EET CAL 4

**Client Sample ID: I-402-W2**

Date Collected: 08/01/22 13:15

Date Received: 08/03/22 10:29

**Lab Sample ID: 570-105236-28**

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 00:15	UJ3K	EET CAL 4

**Client Sample ID: I-402-W3**

Date Collected: 08/01/22 13:15

Date Received: 08/03/22 10:29

**Lab Sample ID: 570-105236-29**

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 00:33	UJ3K	EET CAL 4

**Client Sample ID: I-401-W1**

Date Collected: 08/01/22 13:24

Date Received: 08/03/22 10:29

**Lab Sample ID: 570-105236-30**

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 00:51	UJ3K	EET CAL 4

Eurofins Calscience

# Lab Chronicle

Client: NV5, Inc

Job ID: 570-105236-1

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

**Client Sample ID: I-401-W2**

**Lab Sample ID: 570-105236-31**

Matrix: Wipe

Date Collected: 08/01/22 13:24

Date Received: 08/03/22 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 01:09	UJ3K	EET CAL 4

**Client Sample ID: I-401-W3**

**Lab Sample ID: 570-105236-32**

Matrix: Wipe

Date Collected: 08/01/22 13:25

Date Received: 08/03/22 10:29

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			1 Wipe	10 mL	254464	08/04/22 12:32	USUL	EET CAL 4
Total/NA	Analysis	8082		1			255121	08/09/22 01:27	UJ3K	EET CAL 4

## Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Accreditation/Certification Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

## Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-22
California	SCAQMD LAP	17LA0919	12-01-22
California	State	3082	07-31-23
Nevada	State	CA00111	08-31-22
Oregon	NELAP	4175	02-02-23
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-12-22

# Method Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CAL 4
3540C	Soxhlet Extraction	SW846	EET CAL 4

**Protocol References:**

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

**Laboratory References:**

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

# Sample Summary

Client: NV5, Inc

Project/Site: Santa Monica Malibu USD / SMSD-21-10596

Job ID: 570-105236-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	
570-105236-1	J-723-W1	Wipe	08/02/22 13:44	08/03/22 10:29	1
570-105236-2	J-723-W2	Wipe	08/02/22 13:45	08/03/22 10:29	2
570-105236-3	J-723-W3	Wipe	08/02/22 13:50	08/03/22 10:29	3
570-105236-4	J-723-W4	Wipe	08/02/22 13:50	08/03/22 10:29	4
570-105236-5	J-700-W1	Wipe	08/02/22 14:40	08/03/22 10:29	5
570-105236-6	J-700-W2	Wipe	08/02/22 14:40	08/03/22 10:29	6
570-105236-7	J-700-W3	Wipe	08/02/22 14:53	08/03/22 10:29	7
570-105236-8	J-712-W1	Wipe	08/02/22 14:50	08/03/22 10:29	8
570-105236-9	J-712-W2	Wipe	08/02/22 14:50	08/03/22 10:29	9
570-105236-10	J-712-W3	Wipe	08/02/22 14:57	08/03/22 10:29	10
570-105236-11	J-711-W1	Wipe	08/02/22 15:00	08/03/22 10:29	11
570-105236-12	J-711-W2	Wipe	08/02/22 15:00	08/03/22 10:29	12
570-105236-13	J-711-W3	Wipe	08/02/22 15:01	08/03/22 10:29	13
570-105236-14	H-600-W1	Wipe	08/01/22 13:00	08/03/22 10:29	14
570-105236-15	H-600-W2	Wipe	08/01/22 13:01	08/03/22 10:29	15
570-105236-16	H-600-W3	Wipe	08/01/22 13:02	08/03/22 10:29	
570-105236-17	F-303-W1	Wipe	08/01/22 13:26	08/03/22 10:29	
570-105236-18	F-303-W2	Wipe	08/01/22 13:27	08/03/22 10:29	
570-105236-19	F-303-W3	Wipe	08/01/22 13:27	08/03/22 10:29	
570-105236-20	F-302-W1	Wipe	08/01/22 13:31	08/03/22 10:29	
570-105236-21	F-302-W2	Wipe	08/01/22 13:32	08/03/22 10:29	
570-105236-22	F-302-W3	Wipe	08/01/22 13:32	08/03/22 10:29	
570-105236-23	F-301-W1	Wipe	08/01/22 13:36	08/03/22 10:29	
570-105236-24	F-301-W2	Wipe	08/01/22 13:36	08/03/22 10:29	
570-105236-25	F-301-W3	Wipe	08/01/22 13:37	08/03/22 10:29	
570-105236-26	F-301-W4	Wipe	08/01/22 13:37	08/03/22 10:29	
570-105236-27	I-402-W1	Wipe	08/01/22 13:14	08/03/22 10:29	
570-105236-28	I-402-W2	Wipe	08/01/22 13:15	08/03/22 10:29	
570-105236-29	I-402-W3	Wipe	08/01/22 13:15	08/03/22 10:29	
570-105236-30	I-401-W1	Wipe	08/01/22 13:24	08/03/22 10:29	
570-105236-31	I-401-W2	Wipe	08/01/22 13:24	08/03/22 10:29	
570-105236-32	I-401-W3	Wipe	08/01/22 13:25	08/03/22 10:29	

**Alpha Environmental JV US**
**3777 Long Beach Blvd, Annex**  
**Long Beach CA 90807**

- SAME DAY    24 HR    48 HR    72 HR    5 DAYS    STANDARD

WO#/LAB USE ONLY	
DATE:	8/2/22
PAGE:	1
OF	4

CLIENT PROJECT NAME / NUMBER		PROJECT CONTACT		P O NO.		SAMPLER(S); (PRINT)	
<b>Santa Monica Malibu USD 21-10596</b>		<b>Jonathan Barkner</b>					
<b>REQUESTED ANALYSES</b> Please check box or fill in blank as needed.							
<input checked="" type="checkbox"/> Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 2186 <input type="checkbox"/> T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X <input type="checkbox"/> PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM <input type="checkbox"/> PCBs (8082) <input type="checkbox"/> Pesticides (8081) <input type="checkbox"/> SVOCs (8270) <input type="checkbox"/> Prep (5035) <input type="checkbox"/> EN Core <input type="checkbox"/> Terra Core <input type="checkbox"/> Oxygenates (8260) <input type="checkbox"/> VOCs (8260) <input type="checkbox"/> BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> TPH <input type="checkbox"/> TPH C-6-C36 <input type="checkbox"/> C6-C44 <input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO <input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO <input type="checkbox"/> Field Filtered <input type="checkbox"/> Preserved <input type="checkbox"/> Unpreserved LOG CODE:							
LAB USE ONLY	SAMPLE ID	SAMPLING DATE	MATRIX TIME	NO. OF CONT.	 570-105236 Chain of Custody		
1	J-723-W1	8/2/22	N/A	wipe			
2	J-723-W2						
3	J-723-W3						
4	J-723-W4						
5	J-700-W1						
6	J-700-W2						
7	J-700-W3						
8	J-700-W1						
9	J-712-W2						
10	J-712-W3						
RElinquished by (Signature): <i>T. Rizvi</i>		Received by (Signature/Affiliation): <i>T. Rizvi</i>		Date: 8/2/22 Time: 10:32			
RElinquished by (Signature): <i>T. Rizvi</i>		Received by (Signature/Affiliation): <i>T. Rizvi</i>		Date: 8/3/22 Time: 10:29			
RElinquished by (Signature): <i>T. Rizvi</i>		Received by (Signature/Affiliation): <i>T. Rizvi</i>		Date: 8/3/22 Time: 10:29			

Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494

For courier service / sample drop off information contact us26\_sales@eurofinsus.com or call us.

WQ# LAB USE ONLY

CLIENT PROJECT NAME / NUMBER:

Alta Environmental NUS

ADDRESS: 3777 Long Beach Blvd, Annex

CITY: Long Beach

STATE: CA

ZIP: 90807

TEL: 310-9220-8404 E-MAIL: Sens

TURNAROUND TIME (Rush surcharges may apply to any THAT are NOT STANDARD):

 SAME DAY     24 HR     48 HR     72 HR     5 DAYS     STANDARD

GLOBAL ID:

SPECIAL INSTRUCTIONS

PROJECT CONTACT:

SNSD-21-10526  
Jonathan Barkman *Landy Flores*  
6/12/22

P.O. NO.

SAMPLER(S): (PRINT)

DATE: 8/2/22  
PAGE: 2

## REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	MATRIX	NO. OF CONT.
11	J-711-W1	7/14/22	1	1
12	J-711-W2	7/14/22	1	1
13	J-711-W3	7/14/22	1	1
14	H-600-W1	8/1/22	WPC	1
15	H-600-W2	8/1/22	1	1
16	H-600-W3	8/1/22	1	1
17	F-303-W1	—	1	1
18	F-303-W2	—	1	1
19	F-303-W3	—	1	1
20	F-302-W1	—	1	1

Unpreserved

Preserved

Field Filtered

 TPH □ 60-36 □ C6-C44  
 TPH(d) □ DRO  
 TPH(g) □ GRO  
 BTEX / MTBE □ 8260  
 VOCs (8260)  
 Oxygenates (8260)  
 SVOCs (8270)  
 Prep (5035) □ Eh Core □ Terra Core  
 PCBs (8082)  
 Pesticides (8081)
 
 PAHs □ 8270 □ 8270 SIM  
 T22 Metals □ 6010/747X □ 6020/747X  
 Cr(VI) □ 7196 □ 7199 □ 2186
 
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Received by (Signature/Affiliation)

T. Rizzini

Date: 8/13/22

Received by (Signature/Affiliation)

J. Rizzini

Date: 8/13/22

Received by (Signature/Affiliation)

J. Rizzini

Date: 8/13/22

Time

18:32

Time

10:29

Time

10:29

Time

**CHAIN OF CUSTODY RECORD**

WQ# / LAB USE ONLY		DATE: <u>8/21/22</u>																																																																																																																																																							
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## Login Sample Receipt Checklist

Client: NV5, Inc

Job Number: 570-105236-1

**Login Number:** 105236

**List Source:** Eurofins Calscience

**List Number:** 1

**Creator:** Patel, Jayesh

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

The logo consists of the letters N, V, and S positioned vertically. The N and V are on top, and the S is below them, all enclosed within a single vertical line.

**N|V|S** Delivering Solutions  
Improving Lives