


Project Name: Malibu High School DIR Project ID 236145		Project No.: 11382.008		Date:31 July 2018	Report No.:	
Location: 30215 Morning View Drive, Malibu, California			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su			
Client: SMMUSD	Superintendent:		Weather (check one): <input type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:			
Contractor:	Inspector of Record (IOR): John McDonald		Author:			
Soil Engineer: Sreekar Pulijala	Geologist: Joe Roe	Project Manager: SP	Field Supervisor: JTB			
Observation/Testing of: Observe bottom for northwest corner of jobsite						
<input type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Postgrading      Other:						
Equipment Working:			Geologist	J Roe		
			Hours			
			Today's Estimated Yardage:			
<b>Summary of operations:</b> In accordance with our proposal SC17-086 dated September 8, 2017 we have provide screening level sampling of soil below Buildings A and B/C for the presence of the presence of polychlorinated biphenyls (PCBs). Concentrations of PCB's were detected in the soil primarily within the upper half foot (0.5 feet) below the ground surface. The concentrations detected were below applicable residential screening levels for PCB's. The results and boring location map are attached to this memo.  Given the past site history documenting the presence of PCB's and other Pre 1960 building materials at this site we recommend removal of the upper 12-inches of soil below Building A Band C to be stockpiled and exported offsite. The upper 12-inches of soil will likely be characterized as non-hazardous waste. However, it is the responsibility of the contractor to provide screening level testing, the type of which is dependent on the receiving facility or end use.						
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.						
	<b>Leighton Consulting, Inc.</b> A LEIGHTON GROUP COMPANY <b>DAILY FIELD REPORT</b>			Received by:		
				Print:		
				Date:		

**Buildings A and B/C PCB Sample Locations**

11382.005

**Legend**

- 30215 Morning View Dr
- Feature 1



Google Earth

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100 ft

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-216584-1

Client Project/Site: Malibu HS A B/C

For:

Leighton Consulting Inc

17781 Cowan

Suite 200

Irvine, California 92614

Attn: Djan Chandra



Authorized for release by:

7/28/2018 7:36:51 AM

Danielle Roberts, Senior Project Manager

(949)261-1022

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### LINKS

Review your project  
results through

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Have a Question?



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*The test results in this report meet all 2003 NELAC and 2009 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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Preliminary Data

# Sample Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-216584-1	ABC-15-0.5	Solid	07/25/18 07:50	07/25/18 13:00
440-216584-2	ABC-15-2.5	Solid	07/25/18 07:52	07/25/18 13:00
440-216584-4	ABC-16-0.5	Solid	07/25/18 07:55	07/25/18 13:00
440-216584-5	ABC-16-2.5	Solid	07/25/18 07:56	07/25/18 13:00
440-216584-7	ABC-17-0.5	Solid	07/25/18 07:58	07/25/18 13:00
440-216584-8	ABC-17-2.5	Solid	07/25/18 08:00	07/25/18 13:00
440-216584-10	ABC-18-0.5	Solid	07/25/18 08:03	07/25/18 13:00
440-216584-11	ABC-18-2.5	Solid	07/25/18 08:04	07/25/18 13:00
440-216584-13	ABC-9-0.5	Solid	07/25/18 08:06	07/25/18 13:00
440-216584-14	ABC-9-2.5	Solid	07/25/18 08:07	07/25/18 13:00
440-216584-16	ABC-19-0.5	Solid	07/25/18 08:09	07/25/18 13:00
440-216584-17	ABC-19-2.5	Solid	07/25/18 08:11	07/25/18 13:00
440-216584-19	ABC-20-0.5	Solid	07/25/18 08:13	07/25/18 13:00
440-216584-20	ABC-20-2.5	Solid	07/25/18 08:14	07/25/18 13:00
440-216584-22	ABC-8-0.5	Solid	07/25/18 08:16	07/25/18 13:00
440-216584-23	ABC-8-2.5	Solid	07/25/18 08:17	07/25/18 13:00
440-216584-25	ABC-7-0.5	Solid	07/25/18 08:19	07/25/18 13:00
440-216584-26	ABC-7-2.5	Solid	07/25/18 08:20	07/25/18 13:00
440-216584-28	ABC-6-0.5	Solid	07/25/18 08:30	07/25/18 13:00
440-216584-29	ABC-6-2.5	Solid	07/25/18 08:31	07/25/18 13:00
440-216584-31	ABC-5-0.5	Solid	07/25/18 08:33	07/25/18 13:00
440-216584-32	ABC-5-2.5	Solid	07/25/18 08:34	07/25/18 13:00
440-216584-34	ABC-4-0.5	Solid	07/25/18 08:40	07/25/18 13:00
440-216584-35	ABC-4-2.5	Solid	07/25/18 08:42	07/25/18 13:00
440-216584-37	ABC-3-0.5	Solid	07/25/18 08:44	07/25/18 13:00
440-216584-38	ABC-3-2.5	Solid	07/25/18 08:45	07/25/18 13:00
440-216584-40	ABC-2-0.5	Solid	07/25/18 08:58	07/25/18 13:00
440-216584-41	ABC-2-2.5	Solid	07/25/18 08:59	07/25/18 13:00
440-216584-43	ABC-1-0.5	Solid	07/25/18 09:02	07/25/18 13:00
440-216584-44	ABC-1-2.5	Solid	07/25/18 09:03	07/25/18 13:00
440-216584-46	ABC-10-0.5	Solid	07/25/18 09:05	07/25/18 13:00
440-216584-47	ABC-10-2.5	Solid	07/25/18 09:06	07/25/18 13:00
440-216584-49	ABC-11-0.5	Solid	07/25/18 09:08	07/25/18 13:00
440-216584-50	ABC-11-2.5	Solid	07/25/18 09:09	07/25/18 13:00
440-216584-52	ABC-12-0.5	Solid	07/25/18 09:11	07/25/18 13:00
440-216584-53	ABC-12-2.5	Solid	07/25/18 09:12	07/25/18 13:00
440-216584-55	ABC-13-0.5	Solid	07/25/18 09:15	07/25/18 13:00
440-216584-56	ABC-13-2.5	Solid	07/25/18 09:16	07/25/18 13:00
440-216584-58	ABC-14-0.5	Solid	07/25/18 09:18	07/25/18 13:00
440-216584-59	ABC-14-2.5	Solid	07/25/18 09:19	07/25/18 13:00
440-216584-61	ABC-17-DUP-0.5	Solid	07/25/18 07:59	07/25/18 13:00
440-216584-63	ABC-19-DUP-0.5	Solid	07/25/18 08:10	07/25/18 13:00
440-216584-64	ABC-4-DUP-0.5	Solid	07/25/18 08:41	07/25/18 13:00
440-216584-65	ABC-2-DUP-2.5	Solid	07/25/18 09:00	07/25/18 13:00
440-216584-66	ABC-12-DUP-2.5	Solid	07/25/18 09:13	07/25/18 13:00
440-216584-67	EB-1	Water	07/25/18 09:49	07/25/18 13:00
440-216584-68	DRUM	Solid	07/25/18 09:55	07/25/18 13:00

TestAmerica Irvine

# Case Narrative

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Job ID: 440-216584-1**

**Laboratory: TestAmerica Irvine**

## Narrative

**Job Narrative  
440-216584-1**

### Comments

No additional comments.

### Receipt

The samples were received on 7/25/2018 1:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0° C.

### Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

The following samples were received at the laboratory without a sample collection time documented on the chain of custody: ABC-15-0.5 (440-216584-1), ABC-15-2.5 (440-216584-2), ABC-15-5.0 (440-216584-3), ABC-16-0.5 (440-216584-4), ABC-16-2.5 (440-216584-5), ABC-16-5.0 (440-216584-6), ABC-17-0.5 (440-216584-7), ABC-17-2.5 (440-216584-8), ABC-17-5.0 (440-216584-9), ABC-18-0.5 (440-216584-10), ABC-18-2.5 (440-216584-11), ABC-18-5.0 (440-216584-12), ABC-9-0.5 (440-216584-13), ABC-9-2.5 (440-216584-14), ABC-9-5.0 (440-216584-15), ABC-19-0.5 (440-216584-16), ABC-19-2.5 (440-216584-17), ABC-19-5.0 (440-216584-18), ABC-20-0.5 (440-216584-19), ABC-20-2.5 (440-216584-20), ABC-20-5.0 (440-216584-21), ABC-8-0.5 (440-216584-22), ABC-8-2.5 (440-216584-23), ABC-8-5.0 (440-216584-24), ABC-7-0.5 (440-216584-25), ABC-7-2.5 (440-216584-26), ABC-7-5.0 (440-216584-27), ABC-6-0.5 (440-216584-28), ABC-6-2.5 (440-216584-29), ABC-6-5.0 (440-216584-30), ABC-5-0.5 (440-216584-31), ABC-5-2.5 (440-216584-32), ABC-5-5.0 (440-216584-33), ABC-4-0.5 (440-216584-34), ABC-4-2.5 (440-216584-35), ABC-4-5.0 (440-216584-36), ABC-3-0.5 (440-216584-37), ABC-3-2.5 (440-216584-38), ABC-3-5.0 (440-216584-39), ABC-2-0.5 (440-216584-40), ABC-2-2.5 (440-216584-41), ABC-2-5.0 (440-216584-42), ABC-1-0.5 (440-216584-43), ABC-1-2.5 (440-216584-44), ABC-1-5.0 (440-216584-45), ABC-10-0.5 (440-216584-46), ABC-10-2.5 (440-216584-47), ABC-10-5.0 (440-216584-48), ABC-11-0.5 (440-216584-49), ABC-11-2.5 (440-216584-50), ABC-11-5.0 (440-216584-51), ABC-12-0.5 (440-216584-52), ABC-12-2.5 (440-216584-53), ABC-12-5.0 (440-216584-54), ABC-13-0.5 (440-216584-55), ABC-13-2.5 (440-216584-56), ABC-13-5.0 (440-216584-57), ABC-14-0.5 (440-216584-58), ABC-14-2.5 (440-216584-59), ABC-14-5.0 (440-216584-60), ABC-17-DUP-0.5 (440-216584-61), ABC-17-DUP-5.0 (440-216584-62), ABC-19-DUP-0.5 (440-216584-63), ABC-4-DUP-0.5 (440-216584-64), ABC-2-DUP-2.5 (440-216584-65), ABC-12-DUP-2.5 (440-216584-66), EB-1 (440-216584-67) and DRUM (440-216584-68). These samples were logged in with the collection time indicated on the containers.

### GC/MS VOA

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

### GC VOA

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

### GC Semi VOA

Method(s) 8082: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 440-489754 and analytical batch 440-489702. The laboratory control sample (LCS) was performed in duplicate to provide precision data for this batch: (LCS 440-489754/2-A)

Method(s) 8082: Surrogate recovery for the following samples was outside control limits: ABC-19-DUP-0.5 (440-216584-63) and ABC-12-DUP-2.5 (440-216584-66). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082: Surrogate recovery for the following samples was outside control limits: ABC-12-0.5 (440-216584-52) and ABC-13-0.5 (440-216584-55). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

# Case Narrative

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Job ID: 440-216584-1 (Continued)

### Laboratory: TestAmerica Irvine (Continued)

#### Metals

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-489685 and analytical batch 440-489997 were outside control limits for Antimony and Vanadium. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 3510C 8082 preparation batch 440-489754.

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

#### VOA Prep

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

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# Detection Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Client Sample ID: ABC-15-0.5

## Lab Sample ID: 440-216584-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	22	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-15-2.5

## Lab Sample ID: 440-216584-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	83		49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-16-0.5

## Lab Sample ID: 440-216584-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	140		50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-16-2.5

## Lab Sample ID: 440-216584-5

No Detections.

## Client Sample ID: ABC-17-0.5

## Lab Sample ID: 440-216584-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	28	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-17-2.5

## Lab Sample ID: 440-216584-8

No Detections.

## Client Sample ID: ABC-18-0.5

## Lab Sample ID: 440-216584-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	28	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-18-2.5

## Lab Sample ID: 440-216584-11

No Detections.

## Client Sample ID: ABC-9-0.5

## Lab Sample ID: 440-216584-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	17	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-9-2.5

## Lab Sample ID: 440-216584-14

No Detections.

## Client Sample ID: ABC-19-0.5

## Lab Sample ID: 440-216584-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	56		50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-19-2.5

## Lab Sample ID: 440-216584-17

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine



# Detection Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Client Sample ID: ABC-20-0.5

## Lab Sample ID: 440-216584-19

No Detections.

## Client Sample ID: ABC-20-2.5

## Lab Sample ID: 440-216584-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	19	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-8-0.5

## Lab Sample ID: 440-216584-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	21	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-8-2.5

## Lab Sample ID: 440-216584-23

No Detections.

## Client Sample ID: ABC-7-0.5

## Lab Sample ID: 440-216584-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	22	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-7-2.5

## Lab Sample ID: 440-216584-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	44	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-6-0.5

## Lab Sample ID: 440-216584-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	140		50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-6-2.5

## Lab Sample ID: 440-216584-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	18	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-5-0.5

## Lab Sample ID: 440-216584-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	34	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-5-2.5

## Lab Sample ID: 440-216584-32

No Detections.

## Client Sample ID: ABC-4-0.5

## Lab Sample ID: 440-216584-34

No Detections.

## Client Sample ID: ABC-4-2.5

## Lab Sample ID: 440-216584-35

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

# Detection Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Client Sample ID: ABC-3-0.5

## Lab Sample ID: 440-216584-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	73		49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-3-2.5

## Lab Sample ID: 440-216584-38

No Detections.

## Client Sample ID: ABC-2-0.5

## Lab Sample ID: 440-216584-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	37	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-2-2.5

## Lab Sample ID: 440-216584-41

No Detections.

## Client Sample ID: ABC-1-0.5

## Lab Sample ID: 440-216584-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	43	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-1-2.5

## Lab Sample ID: 440-216584-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	85		49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-10-0.5

## Lab Sample ID: 440-216584-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	43	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-10-2.5

## Lab Sample ID: 440-216584-47

No Detections.

## Client Sample ID: ABC-11-0.5

## Lab Sample ID: 440-216584-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	24	J	49	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-11-2.5

## Lab Sample ID: 440-216584-50

No Detections.

## Client Sample ID: ABC-12-0.5

## Lab Sample ID: 440-216584-52

No Detections.

## Client Sample ID: ABC-12-2.5

## Lab Sample ID: 440-216584-53

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	74		49	17	ug/Kg	1		8082	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

# Detection Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Client Sample ID: ABC-13-0.5

Lab Sample ID: 440-216584-55

No Detections.

## Client Sample ID: ABC-13-2.5

Lab Sample ID: 440-216584-56

No Detections.

## Client Sample ID: ABC-14-0.5

Lab Sample ID: 440-216584-58

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	17	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-14-2.5

Lab Sample ID: 440-216584-59

No Detections.

## Client Sample ID: ABC-17-DUP-0.5

Lab Sample ID: 440-216584-61

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor 1254	19	J	50	17	ug/Kg	1		8082	Total/NA

## Client Sample ID: ABC-19-DUP-0.5

Lab Sample ID: 440-216584-63

No Detections.

## Client Sample ID: ABC-4-DUP-0.5

Lab Sample ID: 440-216584-64

No Detections.

## Client Sample ID: ABC-2-DUP-2.5

Lab Sample ID: 440-216584-65

No Detections.

## Client Sample ID: ABC-12-DUP-2.5

Lab Sample ID: 440-216584-66

No Detections.

## Client Sample ID: EB-1

Lab Sample ID: 440-216584-67

No Detections.

## Client Sample ID: DRUM

Lab Sample ID: 440-216584-68

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C23-C40	13		4.9	2.5	mg/Kg	1		8015B	Total/NA
Arsenic	4.1		3.0	1.5	mg/Kg	5		6010B	Total/NA
Barium	140		1.5	0.74	mg/Kg	5		6010B	Total/NA
Beryllium	0.45	J	0.50	0.25	mg/Kg	5		6010B	Total/NA
Cadmium	1.3		0.50	0.25	mg/Kg	5		6010B	Total/NA
Chromium	59		0.99	0.50	mg/Kg	5		6010B	Total/NA
Cobalt	9.8		0.99	0.50	mg/Kg	5		6010B	Total/NA
Copper	28		2.0	1.1	mg/Kg	5		6010B	Total/NA
Lead	3.6		2.0	0.99	mg/Kg	5		6010B	Total/NA
Molybdenum	2.0		2.0	0.99	mg/Kg	5		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

# Detection Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: DRUM (Continued)**

**Lab Sample ID: 440-216584-68**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	52		2.0	0.99	mg/Kg	5		6010B	Total/NA
Vanadium	63		0.99	0.50	mg/Kg	5		6010B	Total/NA
Zinc	74		5.0	2.5	mg/Kg	5		6010B	Total/NA
Mercury	0.027		0.020	0.012	mg/Kg	1		7471A	Total/NA

Preliminary Data

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

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- 2
- 3
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# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-15-0.5**

**Date Collected: 07/25/18 07:50**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-1**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:53	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:53	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:53	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:53	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:53	1
<b>Aroclor 1254</b>	<b>22</b>	<b>J</b>	50	17	ug/Kg		07/25/18 17:52	07/26/18 12:53	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	66		45 - 120	07/25/18 17:52	07/26/18 12:53	1

**Client Sample ID: ABC-15-2.5**

**Date Collected: 07/25/18 07:52**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-2**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 10:43	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 10:43	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 10:43	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 10:43	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 10:43	1
<b>Aroclor 1254</b>	<b>83</b>		49	17	ug/Kg		07/25/18 17:52	07/26/18 10:43	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 10:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	63		45 - 120	07/25/18 17:52	07/26/18 10:43	1

**Client Sample ID: ABC-16-0.5**

**Date Collected: 07/25/18 07:55**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-4**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 10:57	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 10:57	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 10:57	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 10:57	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 10:57	1
<b>Aroclor 1254</b>	<b>140</b>		50	17	ug/Kg		07/25/18 17:52	07/26/18 10:57	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 10:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	71		45 - 120	07/25/18 17:52	07/26/18 10:57	1

TestAmerica Irvine

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-16-2.5**

**Lab Sample ID: 440-216584-5**

Date Collected: 07/25/18 07:56

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:10	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:10	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:10	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:10	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:10	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:10	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	63		45 - 120	07/25/18 17:52	07/26/18 11:10	1

**Client Sample ID: ABC-17-0.5**

**Lab Sample ID: 440-216584-7**

Date Collected: 07/25/18 07:58

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:24	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:24	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:24	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:24	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:24	1
<b>Aroclor 1254</b>	<b>28</b>	<b>J</b>	50	17	ug/Kg		07/25/18 17:52	07/26/18 11:24	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	67		45 - 120	07/25/18 17:52	07/26/18 11:24	1

**Client Sample ID: ABC-17-2.5**

**Lab Sample ID: 440-216584-8**

Date Collected: 07/25/18 08:00

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 11:37	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 11:37	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 11:37	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 11:37	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 11:37	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 11:37	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	49		45 - 120	07/25/18 17:52	07/26/18 11:37	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-18-0.5**

**Lab Sample ID: 440-216584-10**

Date Collected: 07/25/18 08:03

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:51	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:51	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:51	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:51	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:51	1
<b>Aroclor 1254</b>	<b>28</b>	<b>J</b>	50	17	ug/Kg		07/25/18 17:52	07/26/18 11:51	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	61		45 - 120	07/25/18 17:52	07/26/18 11:51	1

**Client Sample ID: ABC-18-2.5**

**Lab Sample ID: 440-216584-11**

Date Collected: 07/25/18 08:04

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:05	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:05	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:05	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:05	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:05	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:05	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	50		45 - 120	07/25/18 17:52	07/26/18 12:05	1

**Client Sample ID: ABC-9-0.5**

**Lab Sample ID: 440-216584-13**

Date Collected: 07/25/18 08:06

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:18	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:18	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:18	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:18	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:18	1
<b>Aroclor 1254</b>	<b>17</b>	<b>J</b>	50	17	ug/Kg		07/25/18 17:52	07/26/18 12:18	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		45 - 120	07/25/18 17:52	07/26/18 12:18	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-9-2.5**

**Lab Sample ID: 440-216584-14**

Date Collected: 07/25/18 08:07

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:32	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:32	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:32	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:32	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:32	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:32	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	78		45 - 120	07/25/18 17:52	07/26/18 12:32	1

**Client Sample ID: ABC-19-0.5**

**Lab Sample ID: 440-216584-16**

Date Collected: 07/25/18 08:09

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:45	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:45	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:45	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:45	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:45	1
<b>Aroclor 1254</b>	<b>56</b>		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:45	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	72		45 - 120	07/25/18 17:52	07/26/18 12:45	1

**Client Sample ID: ABC-19-2.5**

**Lab Sample ID: 440-216584-17**

Date Collected: 07/25/18 08:11

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:59	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:59	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:59	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:59	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:59	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:59	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	81		45 - 120	07/25/18 17:52	07/26/18 12:59	1



# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-20-0.5**

**Lab Sample ID: 440-216584-19**

Date Collected: 07/25/18 08:13

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:13	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:13	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:13	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:13	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:13	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:13	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	49		45 - 120	07/25/18 17:52	07/26/18 13:13	1

**Client Sample ID: ABC-20-2.5**

**Lab Sample ID: 440-216584-20**

Date Collected: 07/25/18 08:14

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:26	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:26	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:26	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:26	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:26	1
<b>Aroclor 1254</b>	<b>19</b>	<b>J</b>	49	17	ug/Kg		07/25/18 17:52	07/26/18 13:26	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	53		45 - 120	07/25/18 17:52	07/26/18 13:26	1

**Client Sample ID: ABC-8-0.5**

**Lab Sample ID: 440-216584-22**

Date Collected: 07/25/18 08:16

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:40	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:40	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:40	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:40	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:40	1
<b>Aroclor 1254</b>	<b>21</b>	<b>J</b>	50	17	ug/Kg		07/25/18 17:52	07/26/18 13:40	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	53		45 - 120	07/25/18 17:52	07/26/18 13:40	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-8-2.5**

**Lab Sample ID: 440-216584-23**

Date Collected: 07/25/18 08:17

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:53	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:53	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:53	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:53	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:53	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:53	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	55		45 - 120	07/25/18 17:52	07/26/18 13:53	1

**Client Sample ID: ABC-7-0.5**

**Lab Sample ID: 440-216584-25**

Date Collected: 07/25/18 08:19

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:07	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:07	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:07	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:07	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:07	1
<b>Aroclor 1254</b>	<b>22</b>	<b>J</b>	49	17	ug/Kg		07/25/18 17:52	07/26/18 14:07	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	70		45 - 120	07/25/18 17:52	07/26/18 14:07	1

**Client Sample ID: ABC-7-2.5**

**Lab Sample ID: 440-216584-26**

Date Collected: 07/25/18 08:20

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:21	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:21	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:21	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:21	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:21	1
<b>Aroclor 1254</b>	<b>44</b>	<b>J</b>	49	17	ug/Kg		07/25/18 17:52	07/26/18 14:21	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	69		45 - 120	07/25/18 17:52	07/26/18 14:21	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-6-0.5**

**Lab Sample ID: 440-216584-28**

Date Collected: 07/25/18 08:30

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 14:34	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 14:34	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 14:34	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 14:34	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 14:34	1
<b>Aroclor 1254</b>	<b>140</b>		50	17	ug/Kg		07/25/18 17:52	07/26/18 14:34	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	77		45 - 120	07/25/18 17:52	07/26/18 14:34	1

**Client Sample ID: ABC-6-2.5**

**Lab Sample ID: 440-216584-29**

Date Collected: 07/25/18 08:31

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:48	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:48	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:48	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:48	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:48	1
<b>Aroclor 1254</b>	<b>18 J</b>		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:48	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 17:52	07/26/18 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	70		45 - 120	07/25/18 17:52	07/26/18 14:48	1

**Client Sample ID: ABC-5-0.5**

**Lab Sample ID: 440-216584-31**

Date Collected: 07/25/18 08:33

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 14:00	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 14:00	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 14:00	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 14:00	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 14:00	1
<b>Aroclor 1254</b>	<b>34 J</b>		49	17	ug/Kg		07/25/18 18:04	07/26/18 14:00	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	59		45 - 120	07/25/18 18:04	07/26/18 14:00	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-5-2.5**

**Lab Sample ID: 440-216584-32**

Date Collected: 07/25/18 08:34

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:02	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:02	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:02	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:02	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:02	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:02	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	87		45 - 120	07/25/18 18:04	07/26/18 16:02	1

**Client Sample ID: ABC-4-0.5**

**Lab Sample ID: 440-216584-34**

Date Collected: 07/25/18 08:40

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 16:16	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 16:16	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 16:16	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 16:16	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 16:16	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 16:16	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	69		45 - 120	07/25/18 18:04	07/26/18 16:16	1

**Client Sample ID: ABC-4-2.5**

**Lab Sample ID: 440-216584-35**

Date Collected: 07/25/18 08:42

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:29	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:29	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:29	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:29	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:29	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:29	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	69		45 - 120	07/25/18 18:04	07/26/18 16:29	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-3-0.5**

**Lab Sample ID: 440-216584-37**

Date Collected: 07/25/18 08:44

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:43	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:43	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:43	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:43	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:43	1
<b>Aroclor 1254</b>	<b>73</b>		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:43	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	80		45 - 120	07/25/18 18:04	07/26/18 16:43	1

**Client Sample ID: ABC-3-2.5**

**Lab Sample ID: 440-216584-38**

Date Collected: 07/25/18 08:45

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:57	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:57	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:57	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:57	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:57	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:57	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	85		45 - 120	07/25/18 18:04	07/26/18 16:57	1

**Client Sample ID: ABC-2-0.5**

**Lab Sample ID: 440-216584-40**

Date Collected: 07/25/18 08:58

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:10	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:10	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:10	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:10	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:10	1
<b>Aroclor 1254</b>	<b>37</b>	<b>J</b>	49	17	ug/Kg		07/25/18 18:04	07/26/18 17:10	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	81		45 - 120	07/25/18 18:04	07/26/18 17:10	1

TestAmerica Irvine

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-2-2.5**

**Date Collected: 07/25/18 08:59**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-41**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:24	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:24	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:24	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:24	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:24	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:24	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	50		45 - 120	07/25/18 18:04	07/26/18 17:24	1

**Client Sample ID: ABC-1-0.5**

**Date Collected: 07/25/18 09:02**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-43**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:37	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:37	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:37	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:37	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:37	1
<b>Aroclor 1254</b>	<b>43</b>	<b>J</b>	50	17	ug/Kg		07/25/18 18:04	07/26/18 17:37	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	56		45 - 120	07/25/18 18:04	07/26/18 17:37	1

**Client Sample ID: ABC-1-2.5**

**Date Collected: 07/25/18 09:03**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-44**

**Matrix: Solid**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:51	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:51	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:51	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:51	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:51	1
<b>Aroclor 1254</b>	<b>85</b>		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:51	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	78		45 - 120	07/25/18 18:04	07/26/18 17:51	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-10-0.5**

**Lab Sample ID: 440-216584-46**

**Date Collected: 07/25/18 09:05**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:05	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:05	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:05	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:05	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:05	1
<b>Aroclor 1254</b>	<b>43</b>	<b>J</b>	49	17	ug/Kg		07/25/18 18:04	07/26/18 18:05	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	80		45 - 120	07/25/18 18:04	07/26/18 18:05	1

**Client Sample ID: ABC-10-2.5**

**Lab Sample ID: 440-216584-47**

**Date Collected: 07/25/18 09:06**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:18	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:18	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:18	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:18	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:18	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:18	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	81		45 - 120	07/25/18 18:04	07/26/18 18:18	1

**Client Sample ID: ABC-11-0.5**

**Lab Sample ID: 440-216584-49**

**Date Collected: 07/25/18 09:08**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:32	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:32	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:32	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:32	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:32	1
<b>Aroclor 1254</b>	<b>24</b>	<b>J</b>	49	17	ug/Kg		07/25/18 18:04	07/26/18 18:32	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	79		45 - 120	07/25/18 18:04	07/26/18 18:32	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-11-2.5**

**Lab Sample ID: 440-216584-50**

Date Collected: 07/25/18 09:09

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:46	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:46	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:46	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:46	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:46	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:46	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	74		45 - 120	07/25/18 18:04	07/26/18 18:46	1

**Client Sample ID: ABC-12-0.5**

**Lab Sample ID: 440-216584-52**

Date Collected: 07/25/18 09:11

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:59	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:59	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:59	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:59	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:59	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:59	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	40	X	45 - 120	07/25/18 18:04	07/26/18 18:59	1

**Client Sample ID: ABC-12-2.5**

**Lab Sample ID: 440-216584-53**

Date Collected: 07/25/18 09:12

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:13	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:13	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:13	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:13	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:13	1
<b>Aroclor 1254</b>	<b>74</b>		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:13	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		45 - 120	07/25/18 18:04	07/26/18 19:13	1



# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-13-0.5**

**Lab Sample ID: 440-216584-55**

**Date Collected: 07/25/18 09:15**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:26	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:26	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:26	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:26	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:26	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:26	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	43	X	45 - 120	07/25/18 18:04	07/26/18 19:26	1

**Client Sample ID: ABC-13-2.5**

**Lab Sample ID: 440-216584-56**

**Date Collected: 07/25/18 09:16**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:40	1
Aroclor 1221	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:40	1
Aroclor 1232	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:40	1
Aroclor 1242	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:40	1
Aroclor 1248	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:40	1
Aroclor 1254	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:40	1
Aroclor 1260	ND		49	17	ug/Kg		07/25/18 18:04	07/26/18 19:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	63		45 - 120	07/25/18 18:04	07/26/18 19:40	1

**Client Sample ID: ABC-14-0.5**

**Lab Sample ID: 440-216584-58**

**Date Collected: 07/25/18 09:18**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 19:54	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 19:54	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 19:54	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 19:54	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 19:54	1
<b>Aroclor 1254</b>	<b>17</b>	<b>J</b>	50	17	ug/Kg		07/25/18 18:04	07/26/18 19:54	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	74		45 - 120	07/25/18 18:04	07/26/18 19:54	1

TestAmerica Irvine

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-14-2.5**

**Lab Sample ID: 440-216584-59**

Date Collected: 07/25/18 09:19

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 15:07	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 15:07	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 15:07	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 15:07	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 15:07	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 15:07	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	49		45 - 120	07/25/18 18:15	07/26/18 15:07	1

**Client Sample ID: ABC-17-DUP-0.5**

**Lab Sample ID: 440-216584-61**

Date Collected: 07/25/18 07:59

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 16:53	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 16:53	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 16:53	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 16:53	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 16:53	1
<b>Aroclor 1254</b>	<b>19</b>	<b>J</b>	50	17	ug/Kg		07/25/18 18:15	07/26/18 16:53	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	73		45 - 120	07/25/18 18:15	07/26/18 16:53	1

**Client Sample ID: ABC-19-DUP-0.5**

**Lab Sample ID: 440-216584-63**

Date Collected: 07/25/18 08:10

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:07	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:07	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:07	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:07	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:07	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:07	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	43	X	45 - 120	07/25/18 18:15	07/26/18 17:07	1

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-4-DUP-0.5**

**Lab Sample ID: 440-216584-64**

Date Collected: 07/25/18 08:41

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:20	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:20	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:20	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:20	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:20	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:20	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	56		45 - 120	07/25/18 18:15	07/26/18 17:20	1

**Client Sample ID: ABC-2-DUP-2.5**

**Lab Sample ID: 440-216584-65**

Date Collected: 07/25/18 09:00

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:34	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:34	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:34	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:34	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:34	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:34	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	61		45 - 120	07/25/18 18:15	07/26/18 17:34	1

**Client Sample ID: ABC-12-DUP-2.5**

**Lab Sample ID: 440-216584-66**

Date Collected: 07/25/18 09:13

Matrix: Solid

Date Received: 07/25/18 13:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:47	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:47	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:47	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:47	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:47	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:47	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	44	X	45 - 120	07/25/18 18:15	07/26/18 17:47	1

TestAmerica Irvine

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: EB-1**

**Date Collected: 07/25/18 09:49**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-67**

**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		0.96	0.24	ug/L		07/26/18 10:22	07/26/18 16:00	1
Aroclor 1221	ND		0.96	0.24	ug/L		07/26/18 10:22	07/26/18 16:00	1
Aroclor 1232	ND		0.96	0.24	ug/L		07/26/18 10:22	07/26/18 16:00	1
Aroclor 1242	ND		0.96	0.24	ug/L		07/26/18 10:22	07/26/18 16:00	1
Aroclor 1248	ND		0.96	0.24	ug/L		07/26/18 10:22	07/26/18 16:00	1
Aroclor 1254	ND		0.96	0.24	ug/L		07/26/18 10:22	07/26/18 16:00	1
Aroclor 1260	ND		0.96	0.24	ug/L		07/26/18 10:22	07/26/18 16:00	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	80		29 - 115				07/26/18 10:22	07/26/18 16:00	1

**Client Sample ID: DRUM**

**Date Collected: 07/25/18 09:55**

**Date Received: 07/25/18 13:00**

**Lab Sample ID: 440-216584-68**

**Matrix: Solid**

**Method: 8260B - Volatile Organic Compounds (GC/MS)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
1,1,1-Trichloroethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,1,1,2-Tetrachloroethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,1,2-Trichloroethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,1-Dichloroethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,1-Dichloroethene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
1,1-Dichloropropene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,2,3-Trichlorobenzene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
1,2,3-Trichloropropane	ND		9.9	0.99	ug/Kg			07/27/18 09:26	1
1,2,4-Trichlorobenzene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
1,2,4-Trimethylbenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			07/27/18 09:26	1
1,2-Dichlorobenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,2-Dichloroethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,2-Dichloropropane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,3,5-Trimethylbenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,3-Dichlorobenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,3-Dichloropropane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
1,4-Dichlorobenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
2,2-Dichloropropane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
2-Chlorotoluene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
4-Chlorotoluene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Benzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Bromobenzene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Bromoform	ND		5.0	2.0	ug/Kg			07/27/18 09:26	1
Bromomethane	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Carbon tetrachloride	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Chlorobenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Chloroethane	ND		5.0	2.0	ug/Kg			07/27/18 09:26	1
Chloroform	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Chloromethane	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
cis-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
cis-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1

TestAmerica Irvine

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: DRUM**

**Lab Sample ID: 440-216584-68**

**Date Collected: 07/25/18 09:55**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			07/27/18 09:26	1
Ethylbenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Hexachlorobutadiene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Isopropylbenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			07/27/18 09:26	1
Methylene Chloride	ND		20	5.0	ug/Kg			07/27/18 09:26	1
Naphthalene	ND		5.0	2.0	ug/Kg			07/27/18 09:26	1
n-Butylbenzene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
N-Propylbenzene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
o-Xylene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
sec-Butylbenzene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Styrene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
tert-Butylbenzene	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Tetrachloroethene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Toluene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
trans-1,2-Dichloroethene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
trans-1,3-Dichloropropene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Trichloroethene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Trichlorofluoromethane	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Vinyl chloride	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
1,2-Dibromoethane (EDB)	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Bromochloromethane	ND		5.0	0.99	ug/Kg			07/27/18 09:26	1
Bromodichloromethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
Dibromochloromethane	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1
p-Isopropyltoluene	ND		2.0	0.99	ug/Kg			07/27/18 09:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		79 - 123		07/27/18 09:26	1
4-Bromofluorobenzene (Surr)	104		79 - 120		07/27/18 09:26	1
Dibromofluoromethane (Surr)	102		60 - 120		07/27/18 09:26	1

## Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			07/27/18 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		65 - 140		07/27/18 11:21	1

## Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		4.9	2.5	mg/Kg		07/25/18 17:41	07/26/18 19:08	1
<b>C23-C40</b>	<b>13</b>		4.9	2.5	mg/Kg		07/25/18 17:41	07/26/18 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	43		40 - 140	07/25/18 17:41	07/26/18 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 20:07	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 20:07	1

TestAmerica Irvine

# Client Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: DRUM**

**Lab Sample ID: 440-216584-68**

**Date Collected: 07/25/18 09:55**

**Matrix: Solid**

**Date Received: 07/25/18 13:00**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 20:07	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 20:07	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 20:07	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 20:07	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 20:07	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
DCB Decachlorobiphenyl (Surr)	70		45 - 120				07/25/18 18:04	07/26/18 20:07	1

**Method: 6010B - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Arsenic</b>	<b>4.1</b>		3.0	1.5	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Barium</b>	<b>140</b>		1.5	0.74	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Beryllium</b>	<b>0.45 J</b>		0.50	0.25	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Cadmium</b>	<b>1.3</b>		0.50	0.25	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Chromium</b>	<b>59</b>		0.99	0.50	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Cobalt</b>	<b>9.8</b>		0.99	0.50	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Copper</b>	<b>28</b>		2.0	1.1	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Lead</b>	<b>3.6</b>		2.0	0.99	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Molybdenum</b>	<b>2.0</b>		2.0	0.99	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Nickel</b>	<b>52</b>		2.0	0.99	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
Selenium	ND		3.0	1.7	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
Silver	ND		1.5	0.88	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
Thallium	ND		9.9	5.0	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Vanadium</b>	<b>63</b>		0.99	0.50	mg/Kg		07/26/18 07:54	07/27/18 01:43	5
<b>Zinc</b>	<b>74</b>		5.0	2.5	mg/Kg		07/26/18 07:54	07/27/18 01:43	5

**Method: 7471A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Mercury</b>	<b>0.027</b>		0.020	0.012	mg/Kg		07/25/18 18:50	07/25/18 20:54	1

# Surrogate Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TOL (79-123)	BFB (79-120)	DBFM (60-120)
440-216584-68	DRUM	109	104	102
440-216584-68 MS	DRUM	112	98	105
440-216584-68 MSD	DRUM	102	107	100
LCS 440-489957/4	Lab Control Sample	103	101	99
MB 440-489957/3	Method Blank	109	98	102

#### Surrogate Legend

TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)

## Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (65-140)
440-216584-68	DRUM	82
440-216584-68 MS	DRUM	87
440-216584-68 MSD	DRUM	82
LCS 440-489977/3	Lab Control Sample	89
LCS 440-489977/4	Lab Control Sample Dup	108
MB 440-489977/5	Method Blank	105

#### Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

## Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTCN1 (40-140)
440-216531-A-1-B MS	Matrix Spike	60
440-216531-A-1-C MSD	Matrix Spike Duplicate	69
440-216584-68	DRUM	43
LCS 440-489609/2-A	Lab Control Sample	79
MB 440-489609/1-A	Method Blank	80

#### Surrogate Legend

OTCN = n-Octacosane

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (45-120)
440-216584-1	ABC-15-0.5	66
440-216584-1 MS	ABC-15-0.5	61

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# Surrogate Summary

Client: Leighton Consulting Inc  
 Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (45-120)
440-216584-1 MSD	ABC-15-0.5	63
440-216584-2	ABC-15-2.5	63
440-216584-4	ABC-16-0.5	71
440-216584-5	ABC-16-2.5	63
440-216584-7	ABC-17-0.5	67
440-216584-8	ABC-17-2.5	49
440-216584-10	ABC-18-0.5	61
440-216584-11	ABC-18-2.5	50
440-216584-13	ABC-9-0.5	77
440-216584-14	ABC-9-2.5	78
440-216584-16	ABC-19-0.5	72
440-216584-17	ABC-19-2.5	81
440-216584-19	ABC-20-0.5	49
440-216584-20	ABC-20-2.5	53
440-216584-22	ABC-8-0.5	53
440-216584-23	ABC-8-2.5	55
440-216584-25	ABC-7-0.5	70
440-216584-26	ABC-7-2.5	69
440-216584-28	ABC-6-0.5	77
440-216584-29	ABC-6-2.5	70
440-216584-31	ABC-5-0.5	59
440-216584-31 MS	ABC-5-0.5	59
440-216584-31 MSD	ABC-5-0.5	57
440-216584-32	ABC-5-2.5	87
440-216584-34	ABC-4-0.5	69
440-216584-35	ABC-4-2.5	69
440-216584-37	ABC-3-0.5	80
440-216584-38	ABC-3-2.5	85
440-216584-40	ABC-2-0.5	81
440-216584-41	ABC-2-2.5	50
440-216584-43	ABC-1-0.5	56
440-216584-44	ABC-1-2.5	78
440-216584-46	ABC-10-0.5	80
440-216584-47	ABC-10-2.5	81
440-216584-49	ABC-11-0.5	79
440-216584-50	ABC-11-2.5	74
440-216584-52	ABC-12-0.5	40 X
440-216584-53	ABC-12-2.5	76
440-216584-55	ABC-13-0.5	43 X
440-216584-56	ABC-13-2.5	63
440-216584-58	ABC-14-0.5	74
440-216584-59	ABC-14-2.5	49
440-216584-59 MS	ABC-14-2.5	56
440-216584-59 MSD	ABC-14-2.5	58
440-216584-61	ABC-17-DUP-0.5	73
440-216584-63	ABC-19-DUP-0.5	43 X
440-216584-64	ABC-4-DUP-0.5	56
440-216584-65	ABC-2-DUP-2.5	61
440-216584-66	ABC-12-DUP-2.5	44 X

Preliminary Data





# Surrogate Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (45-120)
440-216584-68	DRUM	70
LCS 440-489617/2-A	Lab Control Sample	75
LCS 440-489620/2-A	Lab Control Sample	69
LCS 440-489622/2-A	Lab Control Sample	69
MB 440-489617/1-A	Method Blank	82
MB 440-489620/1-A	Method Blank	74
MB 440-489622/1-A	Method Blank	74

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCB2 (29-115)
440-216584-67	EB-1	80
LCS 440-489754/2-A	Lab Control Sample	71
LCSD 440-489754/3-A	Lab Control Sample Dup	70
MB 440-489754/1-A	Method Blank	73

#### Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

# Method Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics(DRO)/Oil Range Organics (ORO)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
3050B	Preparation, Metals	SW846	TAL IRV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL IRV
5030B	Purge and Trap	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV

**Protocol References:**

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

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Preliminary Data



# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Client Sample ID: ABC-15-0.5

Date Collected: 07/25/18 07:50

Date Received: 07/25/18 13:00

## Lab Sample ID: 440-216584-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.15 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 12:53	JM	TAL IRV

## Client Sample ID: ABC-15-2.5

Date Collected: 07/25/18 07:52

Date Received: 07/25/18 13:00

## Lab Sample ID: 440-216584-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.29 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 10:43	JM	TAL IRV

## Client Sample ID: ABC-16-0.5

Date Collected: 07/25/18 07:55

Date Received: 07/25/18 13:00

## Lab Sample ID: 440-216584-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 10:57	JM	TAL IRV

## Client Sample ID: ABC-16-2.5

Date Collected: 07/25/18 07:56

Date Received: 07/25/18 13:00

## Lab Sample ID: 440-216584-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 11:10	JM	TAL IRV

## Client Sample ID: ABC-17-0.5

Date Collected: 07/25/18 07:58

Date Received: 07/25/18 13:00

## Lab Sample ID: 440-216584-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 11:24	JM	TAL IRV

## Client Sample ID: ABC-17-2.5

Date Collected: 07/25/18 08:00

Date Received: 07/25/18 13:00

## Lab Sample ID: 440-216584-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.26 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 11:37	JM	TAL IRV

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# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-18-0.5**

**Lab Sample ID: 440-216584-10**

Date Collected: 07/25/18 08:03

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.15 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 11:51	JM	TAL IRV

**Client Sample ID: ABC-18-2.5**

**Lab Sample ID: 440-216584-11**

Date Collected: 07/25/18 08:04

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.16 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 12:05	JM	TAL IRV

**Client Sample ID: ABC-9-0.5**

**Lab Sample ID: 440-216584-13**

Date Collected: 07/25/18 08:06

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 12:18	JM	TAL IRV

**Client Sample ID: ABC-9-2.5**

**Lab Sample ID: 440-216584-14**

Date Collected: 07/25/18 08:07

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.42 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 12:32	JM	TAL IRV

**Client Sample ID: ABC-19-0.5**

**Lab Sample ID: 440-216584-16**

Date Collected: 07/25/18 08:09

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.10 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 12:45	JM	TAL IRV

**Client Sample ID: ABC-19-2.5**

**Lab Sample ID: 440-216584-17**

Date Collected: 07/25/18 08:11

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.45 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 12:59	JM	TAL IRV

TestAmerica Irvine

# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-20-0.5**

**Lab Sample ID: 440-216584-19**

Date Collected: 07/25/18 08:13

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 13:13	JM	TAL IRV

**Client Sample ID: ABC-20-2.5**

**Lab Sample ID: 440-216584-20**

Date Collected: 07/25/18 08:14

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.39 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 13:26	JM	TAL IRV

**Client Sample ID: ABC-8-0.5**

**Lab Sample ID: 440-216584-22**

Date Collected: 07/25/18 08:16

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 13:40	JM	TAL IRV

**Client Sample ID: ABC-8-2.5**

**Lab Sample ID: 440-216584-23**

Date Collected: 07/25/18 08:17

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.43 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 13:53	JM	TAL IRV

**Client Sample ID: ABC-7-0.5**

**Lab Sample ID: 440-216584-25**

Date Collected: 07/25/18 08:19

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.45 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 14:07	JM	TAL IRV

**Client Sample ID: ABC-7-2.5**

**Lab Sample ID: 440-216584-26**

Date Collected: 07/25/18 08:20

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.35 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 14:21	JM	TAL IRV

TestAmerica Irvine

# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-6-0.5**

**Lab Sample ID: 440-216584-28**

Date Collected: 07/25/18 08:30

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 14:34	JM	TAL IRV

**Client Sample ID: ABC-6-2.5**

**Lab Sample ID: 440-216584-29**

Date Collected: 07/25/18 08:31

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	2 mL	489617	07/25/18 17:52	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 14:48	JM	TAL IRV

**Client Sample ID: ABC-5-0.5**

**Lab Sample ID: 440-216584-31**

Date Collected: 07/25/18 08:33

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.20 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 14:00	JM	TAL IRV

**Client Sample ID: ABC-5-2.5**

**Lab Sample ID: 440-216584-32**

Date Collected: 07/25/18 08:34

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.37 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 16:02	JM	TAL IRV

**Client Sample ID: ABC-4-0.5**

**Lab Sample ID: 440-216584-34**

Date Collected: 07/25/18 08:40

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 16:16	JM	TAL IRV

**Client Sample ID: ABC-4-2.5**

**Lab Sample ID: 440-216584-35**

Date Collected: 07/25/18 08:42

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 16:29	JM	TAL IRV

TestAmerica Irvine

# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-3-0.5**

**Lab Sample ID: 440-216584-37**

Date Collected: 07/25/18 08:44

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.20 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 16:43	JM	TAL IRV

**Client Sample ID: ABC-3-2.5**

**Lab Sample ID: 440-216584-38**

Date Collected: 07/25/18 08:45

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.19 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 16:57	JM	TAL IRV

**Client Sample ID: ABC-2-0.5**

**Lab Sample ID: 440-216584-40**

Date Collected: 07/25/18 08:58

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.20 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 17:10	JM	TAL IRV

**Client Sample ID: ABC-2-2.5**

**Lab Sample ID: 440-216584-41**

Date Collected: 07/25/18 08:59

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 17:24	JM	TAL IRV

**Client Sample ID: ABC-1-0.5**

**Lab Sample ID: 440-216584-43**

Date Collected: 07/25/18 09:02

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.02 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 17:37	JM	TAL IRV

**Client Sample ID: ABC-1-2.5**

**Lab Sample ID: 440-216584-44**

Date Collected: 07/25/18 09:03

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.22 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 17:51	JM	TAL IRV

TestAmerica Irvine

# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-10-0.5**

**Lab Sample ID: 440-216584-46**

Date Collected: 07/25/18 09:05

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.29 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 18:05	JM	TAL IRV

**Client Sample ID: ABC-10-2.5**

**Lab Sample ID: 440-216584-47**

Date Collected: 07/25/18 09:06

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.40 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 18:18	JM	TAL IRV

**Client Sample ID: ABC-11-0.5**

**Lab Sample ID: 440-216584-49**

Date Collected: 07/25/18 09:08

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.34 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 18:32	JM	TAL IRV

**Client Sample ID: ABC-11-2.5**

**Lab Sample ID: 440-216584-50**

Date Collected: 07/25/18 09:09

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.25 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 18:46	JM	TAL IRV

**Client Sample ID: ABC-12-0.5**

**Lab Sample ID: 440-216584-52**

Date Collected: 07/25/18 09:11

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.23 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 18:59	JM	TAL IRV

**Client Sample ID: ABC-12-2.5**

**Lab Sample ID: 440-216584-53**

Date Collected: 07/25/18 09:12

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.17 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 19:13	JM	TAL IRV

TestAmerica Irvine



# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-13-0.5**

**Lab Sample ID: 440-216584-55**

Date Collected: 07/25/18 09:15

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.17 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 19:26	JM	TAL IRV

**Client Sample ID: ABC-13-2.5**

**Lab Sample ID: 440-216584-56**

Date Collected: 07/25/18 09:16

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.45 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 19:40	JM	TAL IRV

**Client Sample ID: ABC-14-0.5**

**Lab Sample ID: 440-216584-58**

Date Collected: 07/25/18 09:18

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 19:54	JM	TAL IRV

**Client Sample ID: ABC-14-2.5**

**Lab Sample ID: 440-216584-59**

Date Collected: 07/25/18 09:19

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.05 g	2 mL	489622	07/25/18 18:15	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 15:07	JM	TAL IRV

**Client Sample ID: ABC-17-DUP-0.5**

**Lab Sample ID: 440-216584-61**

Date Collected: 07/25/18 07:59

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.09 g	2 mL	489622	07/25/18 18:15	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 16:53	JM	TAL IRV

**Client Sample ID: ABC-19-DUP-0.5**

**Lab Sample ID: 440-216584-63**

Date Collected: 07/25/18 08:10

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	489622	07/25/18 18:15	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 17:07	JM	TAL IRV

TestAmerica Irvine

# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Client Sample ID: ABC-4-DUP-0.5**

**Lab Sample ID: 440-216584-64**

Date Collected: 07/25/18 08:41

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.14 g	2 mL	489622	07/25/18 18:15	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 17:20	JM	TAL IRV

**Client Sample ID: ABC-2-DUP-2.5**

**Lab Sample ID: 440-216584-65**

Date Collected: 07/25/18 09:00

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.12 g	2 mL	489622	07/25/18 18:15	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 17:34	JM	TAL IRV

**Client Sample ID: ABC-12-DUP-2.5**

**Lab Sample ID: 440-216584-66**

Date Collected: 07/25/18 09:13

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.07 g	2 mL	489622	07/25/18 18:15	VA	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 17:47	JM	TAL IRV

**Client Sample ID: EB-1**

**Lab Sample ID: 440-216584-67**

Date Collected: 07/25/18 09:49

Matrix: Water

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1045 mL	2 mL	489754	07/26/18 10:22	L1H	TAL IRV
Total/NA	Analysis	8082		1			489702	07/26/18 16:00	JM	TAL IRV

**Client Sample ID: DRUM**

**Lab Sample ID: 440-216584-68**

Date Collected: 07/25/18 09:55

Matrix: Solid

Date Received: 07/25/18 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5.05 g	10 mL	489957	07/27/18 09:26	AYL	TAL IRV
Total/NA	Analysis	8015B		1	5.05 g	10 mL	489977	07/27/18 11:21	LNP	TAL IRV
Total/NA	Prep	3546			15.29 g	1 mL	489609	07/25/18 17:41	VA	TAL IRV
Total/NA	Analysis	8015B		1			489710	07/26/18 19:08	LMB	TAL IRV
Total/NA	Prep	3546			15.14 g	2 mL	489620	07/25/18 18:04	VA	TAL IRV
Total/NA	Analysis	8082		1			489699	07/26/18 20:07	JM	TAL IRV
Total/NA	Prep	3050B			2.02 g	50 mL	489685	07/26/18 07:54	DT	TAL IRV
Total/NA	Analysis	6010B		5			489997	07/27/18 01:43	B1H	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	489625	07/25/18 18:50	DB	TAL IRV
Total/NA	Analysis	7471A		1			489802	07/25/18 20:54	DB	TAL IRV

TestAmerica Irvine

# Lab Chronicle

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

**Laboratory References:**

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Preliminary Data

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# QC Sample Results

Client: Leighton Consulting Inc  
 Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 440-489957/3**

**Matrix: Solid**

**Analysis Batch: 489957**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
1,1,1-Trichloroethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,1,2-Trichloroethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,1-Dichloroethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,1-Dichloroethene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
1,1-Dichloropropene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,2,3-Trichlorobenzene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
1,2,3-Trichloropropane	ND		10	1.0	ug/Kg			07/27/18 08:08	1
1,2,4-Trichlorobenzene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
1,2,4-Trimethylbenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/Kg			07/27/18 08:08	1
1,2-Dichlorobenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,2-Dichloroethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,2-Dichloropropane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,3,5-Trimethylbenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,3-Dichlorobenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
1,4-Dichlorobenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
2,2-Dichloropropane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
2-Chlorotoluene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
4-Chlorotoluene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Benzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Bromobenzene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Bromoform	ND		5.0	2.0	ug/Kg			07/27/18 08:08	1
Bromomethane	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Carbon tetrachloride	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Chlorobenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Chloroethane	ND		5.0	2.0	ug/Kg			07/27/18 08:08	1
Chloroform	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Chloromethane	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
cis-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
cis-1,3-Dichloropropane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Dibromomethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Dichlorodifluoromethane	ND		5.0	2.0	ug/Kg			07/27/18 08:08	1
Ethylbenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Hexachlorobutadiene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Isopropylbenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
m,p-Xylene	ND		4.0	2.0	ug/Kg			07/27/18 08:08	1
Methylene Chloride	ND		20	5.0	ug/Kg			07/27/18 08:08	1
Naphthalene	ND		5.0	2.0	ug/Kg			07/27/18 08:08	1
n-Butylbenzene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
N-Propylbenzene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
o-Xylene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
sec-Butylbenzene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Styrene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
tert-Butylbenzene	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Tetrachloroethene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1

TestAmerica Irvine

# QC Sample Results

Client: Leighton Consulting Inc  
 Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: MB 440-489957/3**  
**Matrix: Solid**  
**Analysis Batch: 489957**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
trans-1,2-Dichloroethene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
trans-1,3-Dichloropropene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Trichloroethene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Trichlorofluoromethane	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Vinyl chloride	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
1,2-Dibromoethane (EDB)	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Bromochloromethane	ND		5.0	1.0	ug/Kg			07/27/18 08:08	1
Bromodichloromethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
Dibromochloromethane	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1
p-Isopropyltoluene	ND		2.0	1.0	ug/Kg			07/27/18 08:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		79 - 123		07/27/18 08:08	1
4-Bromofluorobenzene (Surr)	98		79 - 120		07/27/18 08:08	1
Dibromofluoromethane (Surr)	102		60 - 120		07/27/18 08:08	1

**Lab Sample ID: LCS 440-489957/4**  
**Matrix: Solid**  
**Analysis Batch: 489957**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/Kg		103	70 - 130
1,1,1-Trichloroethane	50.0	50.9		ug/Kg		102	65 - 135
1,1,1,2,2-Tetrachloroethane	50.0	58.4		ug/Kg		117	55 - 140
1,1,2-Trichloroethane	50.0	59.2		ug/Kg		118	65 - 135
1,1-Dichloroethane	50.0	50.9		ug/Kg		102	70 - 130
1,1-Dichloroethene	50.0	50.5		ug/Kg		101	70 - 125
1,1-Dichloropropene	50.0	51.4		ug/Kg		103	70 - 130
1,2,3-Trichlorobenzene	50.0	54.8		ug/Kg		110	60 - 130
1,2,3-Trichloropropane	50.0	56.7		ug/Kg		113	60 - 135
1,2,4-Trichlorobenzene	50.0	53.0		ug/Kg		106	70 - 135
1,2,4-Trimethylbenzene	50.0	52.5		ug/Kg		105	70 - 125
1,2-Dibromo-3-Chloropropane	50.0	60.6		ug/Kg		121	50 - 135
1,2-Dichlorobenzene	50.0	51.6		ug/Kg		103	75 - 120
1,2-Dichloroethane	50.0	53.5		ug/Kg		107	60 - 140
1,2-Dichloropropane	50.0	53.8		ug/Kg		108	70 - 130
1,3,5-Trimethylbenzene	50.0	53.3		ug/Kg		107	70 - 125
1,3-Dichlorobenzene	50.0	50.5		ug/Kg		101	75 - 125
1,3-Dichloropropane	50.0	57.9		ug/Kg		116	70 - 125
1,4-Dichlorobenzene	50.0	52.7		ug/Kg		105	75 - 120
2,2-Dichloropropane	50.0	61.5		ug/Kg		123	60 - 145
2-Chlorotoluene	50.0	53.3		ug/Kg		107	70 - 125
4-Chlorotoluene	50.0	53.3		ug/Kg		107	75 - 125
Benzene	50.0	50.9		ug/Kg		102	65 - 120
Bromobenzene	50.0	51.6		ug/Kg		103	75 - 120
Bromoform	50.0	59.2		ug/Kg		118	55 - 135
Bromomethane	50.0	46.2		ug/Kg		92	60 - 145

TestAmerica Irvine

# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: LCS 440-489957/4**

**Matrix: Solid**

**Analysis Batch: 489957**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	50.8		ug/Kg		102	65 - 140
Chlorobenzene	50.0	51.8		ug/Kg		104	75 - 120
Chloroethane	50.0	45.0		ug/Kg		90	60 - 140
Chloroform	50.0	53.3		ug/Kg		107	70 - 130
Chloromethane	50.0	41.3		ug/Kg		83	45 - 145
cis-1,2-Dichloroethene	50.0	50.8		ug/Kg		102	70 - 125
cis-1,3-Dichloropropene	50.0	58.5		ug/Kg		117	75 - 125
Dibromomethane	50.0	50.6		ug/Kg		101	70 - 130
Dichlorodifluoromethane	50.0	36.3		ug/Kg		73	35 - 160
Ethylbenzene	50.0	54.4		ug/Kg		109	70 - 125
Hexachlorobutadiene	50.0	54.6		ug/Kg		109	60 - 135
Isopropylbenzene	50.0	54.3		ug/Kg		109	75 - 130
m,p-Xylene	50.0	53.5		ug/Kg		107	70 - 125
Methylene Chloride	50.0	46.3		ug/Kg		93	55 - 135
Naphthalene	50.0	57.8		ug/Kg		116	55 - 135
n-Butylbenzene	50.0	56.6		ug/Kg		113	70 - 130
N-Propylbenzene	50.0	55.5		ug/Kg		111	70 - 130
o-Xylene	50.0	52.3		ug/Kg		105	70 - 125
sec-Butylbenzene	50.0	55.3		ug/Kg		111	70 - 125
Styrene	50.0	54.9		ug/Kg		110	75 - 130
tert-Butylbenzene	50.0	53.3		ug/Kg		107	70 - 125
Tetrachloroethene	50.0	54.4		ug/Kg		109	70 - 125
Toluene	50.0	58.0		ug/Kg		116	70 - 125
trans-1,2-Dichloroethene	50.0	51.7		ug/Kg		103	70 - 125
trans-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	70 - 135
Trichloroethene	50.0	53.4		ug/Kg		107	70 - 125
Trichlorofluoromethane	50.0	50.0		ug/Kg		100	60 - 145
Vinyl chloride	50.0	44.5		ug/Kg		89	55 - 135
1,2-Dibromoethane (EDB)	50.0	55.9		ug/Kg		112	70 - 130
Bromochloromethane	50.0	50.5		ug/Kg		101	70 - 135
Bromodichloromethane	50.0	53.1		ug/Kg		106	70 - 135
Dibromochloromethane	50.0	51.1		ug/Kg		102	65 - 140
p-Isopropyltoluene	50.0	53.6		ug/Kg		107	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		79 - 123
4-Bromofluorobenzene (Surr)	101		79 - 120
Dibromofluoromethane (Surr)	99		60 - 120

**Lab Sample ID: 440-216584-68 MS**

**Matrix: Solid**

**Analysis Batch: 489957**

**Client Sample ID: DRUM**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		49.5	54.5		ug/Kg		110	65 - 145
1,1,1-Trichloroethane	ND		49.5	51.6		ug/Kg		104	65 - 145
1,1,2,2-Tetrachloroethane	ND		49.5	60.0		ug/Kg		121	40 - 160
1,1,2-Trichloroethane	ND		49.5	61.8		ug/Kg		125	65 - 140

TestAmerica Irvine

# QC Sample Results

Client: Leighton Consulting Inc  
 Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 440-216584-68 MS**

**Matrix: Solid**

**Analysis Batch: 489957**

**Client Sample ID: DRUM**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		49.5	49.4		ug/Kg		100	65 - 135
1,1-Dichloroethene	ND		49.5	51.1		ug/Kg		103	65 - 135
1,1-Dichloropropene	ND		49.5	51.6		ug/Kg		104	65 - 135
1,2,3-Trichlorobenzene	ND		49.5	52.8		ug/Kg		107	45 - 145
1,2,3-Trichloropropane	ND		49.5	63.0		ug/Kg		127	50 - 150
1,2,4-Trichlorobenzene	ND		49.5	49.6		ug/Kg		100	50 - 140
1,2,4-Trimethylbenzene	ND		49.5	51.2		ug/Kg		103	65 - 140
1,2-Dibromo-3-Chloropropane	ND		49.5	57.7		ug/Kg		117	40 - 150
1,2-Dichlorobenzene	ND		49.5	49.0		ug/Kg		99	70 - 130
1,2-Dichloroethane	ND		49.5	51.6		ug/Kg		104	60 - 150
1,2-Dichloropropane	ND		49.5	53.0		ug/Kg		107	65 - 130
1,3,5-Trimethylbenzene	ND		49.5	51.8		ug/Kg		105	65 - 135
1,3-Dichlorobenzene	ND		49.5	48.0		ug/Kg		97	70 - 130
1,3-Dichloropropane	ND		49.5	61.5		ug/Kg		124	65 - 140
1,4-Dichlorobenzene	ND		49.5	50.3		ug/Kg		102	70 - 130
2,2-Dichloropropane	ND		49.5	60.5		ug/Kg		122	65 - 150
2-Chlorotoluene	ND		49.5	51.2		ug/Kg		103	60 - 135
4-Chlorotoluene	ND		49.5	51.5		ug/Kg		104	65 - 135
Benzene	ND		49.5	49.4		ug/Kg		100	65 - 130
Bromobenzene	ND		49.5	51.0		ug/Kg		103	65 - 140
Bromoform	ND		49.5	66.9		ug/Kg		135	50 - 145
Bromomethane	ND		49.5	46.1		ug/Kg		93	60 - 155
Carbon tetrachloride	ND		49.5	51.1		ug/Kg		103	60 - 145
Chlorobenzene	ND		49.5	55.5		ug/Kg		112	70 - 130
Chloroethane	ND		49.5	43.9		ug/Kg		89	60 - 150
Chloroform	ND		49.5	52.0		ug/Kg		105	65 - 135
Chloromethane	ND		49.5	41.1		ug/Kg		83	40 - 145
cis-1,2-Dichloroethene	ND		49.5	49.7		ug/Kg		100	65 - 135
cis-1,3-Dichloropropene	ND		49.5	63.0		ug/Kg		127	70 - 135
Dibromomethane	ND		49.5	51.4		ug/Kg		104	65 - 140
Dichlorodifluoromethane	ND		49.5	36.3		ug/Kg		73	30 - 160
Ethylbenzene	ND		49.5	55.8		ug/Kg		113	70 - 135
Hexachlorobutadiene	ND		49.5	46.4		ug/Kg		94	50 - 145
Isopropylbenzene	ND		49.5	55.3		ug/Kg		112	70 - 145
m,p-Xylene	ND		49.5	56.4		ug/Kg		114	70 - 130
Methylene Chloride	ND		49.5	49.5		ug/Kg		100	55 - 145
Naphthalene	ND		49.5	59.0		ug/Kg		119	40 - 150
n-Butylbenzene	ND		49.5	50.9		ug/Kg		103	55 - 145
N-Propylbenzene	ND		49.5	54.3		ug/Kg		110	65 - 140
o-Xylene	ND		49.5	57.9		ug/Kg		117	65 - 130
sec-Butylbenzene	ND		49.5	50.9		ug/Kg		103	60 - 135
Styrene	ND		49.5	54.6		ug/Kg		110	70 - 140
tert-Butylbenzene	ND		49.5	49.8		ug/Kg		101	60 - 140
Tetrachloroethene	ND		49.5	58.5		ug/Kg		118	65 - 135
Toluene	ND		49.5	59.8		ug/Kg		121	70 - 130
trans-1,2-Dichloroethene	ND		49.5	50.0		ug/Kg		101	70 - 135
trans-1,3-Dichloropropene	ND		49.5	58.4		ug/Kg		118	60 - 145
Trichloroethene	ND		49.5	52.2		ug/Kg		106	65 - 140

TestAmerica Irvine

# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

**Lab Sample ID: 440-216584-68 MS**

**Matrix: Solid**

**Analysis Batch: 489957**

**Client Sample ID: DRUM**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichlorofluoromethane	ND		49.5	48.7		ug/Kg		98	55 - 155
Vinyl chloride	ND		49.5	46.9		ug/Kg		95	55 - 140
1,2-Dibromoethane (EDB)	ND		49.5	59.8		ug/Kg		121	65 - 140
Bromochloromethane	ND		49.5	52.8		ug/Kg		107	65 - 145
Bromodichloromethane	ND		49.5	52.0		ug/Kg		105	65 - 145
Dibromochloromethane	ND		49.5	57.8		ug/Kg		117	60 - 145
p-Isopropyltoluene	ND		49.5	50.7		ug/Kg		103	60 - 140
<b>MS MS</b>									
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	112		79 - 123						
4-Bromofluorobenzene (Surr)	98		79 - 120						
Dibromofluoromethane (Surr)	105		60 - 120						

**Lab Sample ID: 440-216584-68 MSD**

**Matrix: Solid**

**Analysis Batch: 489957**

**Client Sample ID: DRUM**

**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	49.7		ug/Kg		99	65 - 145	9	20
1,1,1-Trichloroethane	ND		50.0	50.5		ug/Kg		101	65 - 145	2	20
1,1,1,2,2-Tetrachloroethane	ND		50.0	63.6		ug/Kg		127	40 - 160	6	30
1,1,2-Trichloroethane	ND		50.0	61.1		ug/Kg		122	65 - 140	1	30
1,1-Dichloroethane	ND		50.0	50.5		ug/Kg		101	65 - 135	2	25
1,1-Dichloroethene	ND		50.0	49.7		ug/Kg		99	65 - 135	3	25
1,1-Dichloropropene	ND		50.0	50.0		ug/Kg		100	65 - 135	3	20
1,2,3-Trichlorobenzene	ND		50.0	58.4		ug/Kg		117	45 - 145	10	30
1,2,3-Trichloropropane	ND		50.0	65.3		ug/Kg		131	50 - 150	4	30
1,2,4-Trichlorobenzene	ND		50.0	52.4		ug/Kg		105	50 - 140	6	30
1,2,4-Trimethylbenzene	ND		50.0	54.6		ug/Kg		109	65 - 140	6	25
1,2-Dibromo-3-Chloropropane	ND		50.0	63.9		ug/Kg		128	40 - 150	10	30
1,2-Dichlorobenzene	ND		50.0	52.8		ug/Kg		106	70 - 130	7	25
1,2-Dichloroethane	ND		50.0	53.7		ug/Kg		107	60 - 150	4	25
1,2-Dichloropropane	ND		50.0	51.8		ug/Kg		104	65 - 130	2	20
1,3,5-Trimethylbenzene	ND		50.0	56.3		ug/Kg		113	65 - 135	8	25
1,3-Dichlorobenzene	ND		50.0	54.4		ug/Kg		109	70 - 130	12	25
1,3-Dichloropropane	ND		50.0	57.4		ug/Kg		115	65 - 140	7	25
1,4-Dichlorobenzene	ND		50.0	54.4		ug/Kg		109	70 - 130	8	25
2,2-Dichloropropane	ND		50.0	56.6		ug/Kg		113	65 - 150	7	25
2-Chlorotoluene	ND		50.0	55.9		ug/Kg		112	60 - 135	9	25
4-Chlorotoluene	ND		50.0	56.0		ug/Kg		112	65 - 135	8	25
Benzene	ND		50.0	50.0		ug/Kg		100	65 - 130	1	20
Bromobenzene	ND		50.0	55.8		ug/Kg		112	65 - 140	9	25
Bromoform	ND		50.0	59.0		ug/Kg		118	50 - 145	12	30
Bromomethane	ND		50.0	45.8		ug/Kg		92	60 - 155	1	25
Carbon tetrachloride	ND		50.0	47.3		ug/Kg		95	60 - 145	8	25
Chlorobenzene	ND		50.0	49.9		ug/Kg		100	70 - 130	11	25
Chloroethane	ND		50.0	41.5		ug/Kg		83	60 - 150	6	25
Chloroform	ND		50.0	50.1		ug/Kg		100	65 - 135	4	20

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-216584-68 MSD

Matrix: Solid

Analysis Batch: 489957

Client Sample ID: DRUM

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane	ND		50.0	40.1		ug/Kg		80	40 - 145	2	25
cis-1,2-Dichloroethene	ND		50.0	50.5		ug/Kg		101	65 - 135	2	25
cis-1,3-Dichloropropene	ND		50.0	58.7		ug/Kg		117	70 - 135	7	25
Dibromomethane	ND		50.0	49.4		ug/Kg		99	65 - 140	4	25
Dichlorodifluoromethane	ND		50.0	34.0		ug/Kg		68	30 - 160	6	35
Ethylbenzene	ND		50.0	52.5		ug/Kg		105	70 - 135	6	25
Hexachlorobutadiene	ND		50.0	49.0		ug/Kg		98	50 - 145	5	35
Isopropylbenzene	ND		50.0	51.8		ug/Kg		104	70 - 145	6	25
m,p-Xylene	ND		50.0	51.5		ug/Kg		103	70 - 130	9	25
Methylene Chloride	ND		50.0	52.6		ug/Kg		105	55 - 145	6	25
Naphthalene	ND		50.0	60.0		ug/Kg		120	40 - 150	2	40
n-Butylbenzene	ND		50.0	55.2		ug/Kg		110	55 - 145	8	30
N-Propylbenzene	ND		50.0	59.6		ug/Kg		119	65 - 140	9	25
o-Xylene	ND		50.0	52.4		ug/Kg		105	65 - 130	10	25
sec-Butylbenzene	ND		50.0	55.7		ug/Kg		111	60 - 135	9	25
Styrene	ND		50.0	50.6		ug/Kg		101	70 - 140	8	25
tert-Butylbenzene	ND		50.0	54.5		ug/Kg		109	60 - 140	9	25
Tetrachloroethene	ND		50.0	53.6		ug/Kg		107	65 - 135	9	25
Toluene	ND		50.0	57.0		ug/Kg		114	70 - 130	5	20
trans-1,2-Dichloroethene	ND		50.0	52.4		ug/Kg		105	70 - 135	5	25
trans-1,3-Dichloropropene	ND		50.0	55.1		ug/Kg		110	60 - 145	6	25
Trichloroethene	ND		50.0	53.3		ug/Kg		107	65 - 140	2	25
Trichlorofluoromethane	ND		50.0	48.7		ug/Kg		97	55 - 155	0	25
Vinyl chloride	ND		50.0	42.8		ug/Kg		86	55 - 140	9	30
1,2-Dibromoethane (EDB)	ND		50.0	55.7		ug/Kg		111	65 - 140	7	25
Bromochloromethane	ND		50.0	50.3		ug/Kg		101	65 - 145	5	25
Bromodichloromethane	ND		50.0	49.6		ug/Kg		99	65 - 145	5	20
Dibromochloromethane	ND		50.0	56.8		ug/Kg		114	60 - 145	2	25
p-Isopropyltoluene	ND		50.0	55.2		ug/Kg		110	60 - 140	8	25

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
Toluene-d8 (Surr)	102		79 - 123
4-Bromofluorobenzene (Surr)	107		79 - 120
Dibromofluoromethane (Surr)	100		60 - 120

## Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-489977/5

Matrix: Solid

Analysis Batch: 489977

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		400	150	ug/Kg			07/27/18 10:07	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		65 - 140		07/27/18 10:07	1

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8015B - Gasoline Range Organics - (GC) (Continued)

**Lab Sample ID: LCS 440-489977/3**  
**Matrix: Solid**  
**Analysis Batch: 489977**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	1600	1420		ug/Kg		89	70 - 135
<b>Surrogate</b>		<b>LCS %Recovery</b>	<b>LCS Qualifier</b>				<b>Limits</b>
4-Bromofluorobenzene (Surr)		89					65 - 140

**Lab Sample ID: LCSD 440-489977/4**  
**Matrix: Solid**  
**Analysis Batch: 489977**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	1600	1550		ug/Kg		97	70 - 135	9	20
<b>Surrogate</b>		<b>LCSD %Recovery</b>	<b>LCSD Qualifier</b>				<b>Limits</b>		
4-Bromofluorobenzene (Surr)		108					65 - 140		

**Lab Sample ID: 440-216584-68 MS**  
**Matrix: Solid**  
**Analysis Batch: 489977**

**Client Sample ID: DRUM**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C4-C12)	ND		1580	1240		ug/Kg		78	60 - 140
<b>Surrogate</b>		<b>MS %Recovery</b>							<b>Limits</b>
4-Bromofluorobenzene (Surr)		87							65 - 140

**Lab Sample ID: 440-216584-68 MSD**  
**Matrix: Solid**  
**Analysis Batch: 489977**

**Client Sample ID: DRUM**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C4-C12)	ND		1580	1170		ug/Kg		74	60 - 140	5	30
<b>Surrogate</b>		<b>MSD %Recovery</b>							<b>Limits</b>		
4-Bromofluorobenzene (Surr)		82							65 - 140		

## Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO)

**Lab Sample ID: MB 440-489609/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489710**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489609**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C13-C22	ND		5.0	2.5	mg/Kg		07/25/18 17:41	07/26/18 12:06	1
C23-C40	ND		5.0	2.5	mg/Kg		07/25/18 17:41	07/26/18 12:06	1

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 8015B - Diesel Range Organics(DRO)/Oil Range Organics (ORO) (Continued)

**Lab Sample ID: MB 440-489609/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489710**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489609**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane	80		40 - 140	07/25/18 17:41	07/26/18 12:06	1

**Lab Sample ID: LCS 440-489609/2-A**  
**Matrix: Solid**  
**Analysis Batch: 489710**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 489609**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
C10-C28	66.7	53.6		mg/Kg		80	45 - 115

Surrogate	LCS %Recovery	LCS Qualifier	Limits
<i>n</i> -Octacosane	79		40 - 140

**Lab Sample ID: 440-216531-A-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 489710**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 489609**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
C10-C28	ND		65.0	39.0		mg/Kg		60	40 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>n</i> -Octacosane	60		40 - 140

**Lab Sample ID: 440-216531-A-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 489710**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 489609**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
C10-C28	ND		66.4	45.8		mg/Kg		69	40 - 120	16	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
<i>n</i> -Octacosane	69		40 - 140

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

**Lab Sample ID: MB 440-489617/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489617**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:00	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:00	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:00	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:00	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:00	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:00	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 17:52	07/26/18 12:00	1

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

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

**Lab Sample ID: MB 440-489617/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489617**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	82		45 - 120	07/25/18 17:52	07/26/18 12:00	1

**Lab Sample ID: LCS 440-489617/2-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 489617**  
**%Rec.**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aroclor 1016	267	198		ug/Kg		74	65 - 115
Aroclor 1260	267	195		ug/Kg		73	65 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	75		45 - 120

**Lab Sample ID: 440-216584-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: ABC-15-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 489617**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Aroclor 1016	ND		259	158		ug/Kg		61	50 - 120
Aroclor 1260	ND		259	202		ug/Kg		78	50 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	61		45 - 120

**Lab Sample ID: 440-216584-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: ABC-15-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 489617**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
Aroclor 1016	ND		260	163		ug/Kg		63	50 - 120	3	30
Aroclor 1260	ND		260	204		ug/Kg		79	50 - 125	1	30

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	63		45 - 120

**Lab Sample ID: MB 440-489620/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489620**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 13:06	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 13:06	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 13:06	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 13:06	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 13:06	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 13:06	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:04	07/26/18 13:06	1

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

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

**Lab Sample ID: MB 440-489620/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489620**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	74		45 - 120	07/25/18 18:04	07/26/18 13:06	1

**Lab Sample ID: LCS 440-489620/2-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 489620**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aroclor 1016	267	196		ug/Kg		73	65 - 115
Aroclor 1260	267	186		ug/Kg		70	65 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	69		45 - 120

**Lab Sample ID: 440-216584-31 MS**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: ABC-5-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 489620**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Aroclor 1016	ND		265	176		ug/Kg		66	50 - 120
Aroclor 1260	ND		265	193		ug/Kg		73	50 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	59		45 - 120

**Lab Sample ID: 440-216584-31 MSD**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: ABC-5-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 489620**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
Aroclor 1016	ND		261	167		ug/Kg		64	50 - 120	6	30
Aroclor 1260	ND		261	183		ug/Kg		70	50 - 125	5	30

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	57		45 - 120

**Lab Sample ID: MB 440-489622/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489622**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 14:13	1
Aroclor 1221	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 14:13	1
Aroclor 1232	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 14:13	1
Aroclor 1242	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 14:13	1
Aroclor 1248	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 14:13	1
Aroclor 1254	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 14:13	1
Aroclor 1260	ND		50	17	ug/Kg		07/25/18 18:15	07/26/18 14:13	1

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

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

**Lab Sample ID: MB 440-489622/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489622**

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	74		45 - 120	07/25/18 18:15	07/26/18 14:13	1

**Lab Sample ID: LCS 440-489622/2-A**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 489622**  
**%Rec.**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Aroclor 1016	267	192		ug/Kg		72	65 - 115
Aroclor 1260	267	185		ug/Kg		69	65 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	69		45 - 120

**Lab Sample ID: 440-216584-59 MS**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: ABC-14-2.5**  
**Prep Type: Total/NA**  
**Prep Batch: 489622**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Aroclor 1016	ND		265	154		ug/Kg		58	50 - 120
Aroclor 1260	ND		265	149		ug/Kg		56	50 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	56		45 - 120

**Lab Sample ID: 440-216584-59 MSD**  
**Matrix: Solid**  
**Analysis Batch: 489702**

**Client Sample ID: ABC-14-2.5**  
**Prep Type: Total/NA**  
**Prep Batch: 489622**  
**%Rec.**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
Aroclor 1016	ND		266	160		ug/Kg		60	50 - 120	4	30
Aroclor 1260	ND		266	157		ug/Kg		59	50 - 125	6	30

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	58		45 - 120

**Lab Sample ID: MB 440-489754/1-A**  
**Matrix: Water**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489754**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	ND		1.0	0.25	ug/L		07/26/18 10:22	07/26/18 15:20	1
Aroclor 1221	ND		1.0	0.25	ug/L		07/26/18 10:22	07/26/18 15:20	1
Aroclor 1232	ND		1.0	0.25	ug/L		07/26/18 10:22	07/26/18 15:20	1
Aroclor 1242	ND		1.0	0.25	ug/L		07/26/18 10:22	07/26/18 15:20	1
Aroclor 1248	ND		1.0	0.25	ug/L		07/26/18 10:22	07/26/18 15:20	1
Aroclor 1254	ND		1.0	0.25	ug/L		07/26/18 10:22	07/26/18 15:20	1
Aroclor 1260	ND		1.0	0.25	ug/L		07/26/18 10:22	07/26/18 15:20	1

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

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

**Lab Sample ID: MB 440-489754/1-A**  
**Matrix: Water**  
**Analysis Batch: 489702**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489754**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	73		29 - 115	07/26/18 10:22	07/26/18 15:20	1

**Lab Sample ID: LCS 440-489754/2-A**  
**Matrix: Water**  
**Analysis Batch: 489702**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 489754**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aroclor 1016	4.00	2.88		ug/L		72	39 - 145
Aroclor 1260	4.00	2.81		ug/L		70	37 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	71		29 - 115

**Lab Sample ID: LCSD 440-489754/3-A**  
**Matrix: Water**  
**Analysis Batch: 489702**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 489754**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aroclor 1016	4.00	2.84		ug/L		71	39 - 145	1	30
Aroclor 1260	4.00	2.78		ug/L		69	37 - 137	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	70		29 - 115

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 440-489685/1-A ^5**  
**Matrix: Solid**  
**Analysis Batch: 489997**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489685**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.9	5.0	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Arsenic	ND		3.0	1.5	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Barium	ND		1.5	0.74	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Beryllium	ND		0.50	0.25	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Cadmium	ND		0.50	0.25	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Chromium	ND		0.99	0.50	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Cobalt	ND		0.99	0.50	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Copper	ND		2.0	1.1	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Lead	ND		2.0	0.99	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Molybdenum	ND		2.0	0.99	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Nickel	ND		2.0	0.99	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Selenium	ND		3.0	1.7	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Silver	ND		1.5	0.88	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Thallium	ND		9.9	5.0	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Vanadium	ND		0.99	0.50	mg/Kg		07/26/18 07:54	07/27/18 00:40	5
Zinc	ND		5.0	2.5	mg/Kg		07/26/18 07:54	07/27/18 00:40	5

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# QC Sample Results

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: LCS 440-489685/2-A ^5**

**Matrix: Solid**

**Analysis Batch: 489997**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 489685**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	49.8	47.9		mg/Kg		96	80 - 120
Arsenic	49.8	45.8		mg/Kg		92	80 - 120
Barium	49.8	48.1		mg/Kg		97	80 - 120
Beryllium	49.8	46.3		mg/Kg		93	80 - 120
Cadmium	49.8	46.1		mg/Kg		93	80 - 120
Chromium	49.8	48.0		mg/Kg		97	80 - 120
Cobalt	49.8	47.4		mg/Kg		95	80 - 120
Copper	49.8	48.7		mg/Kg		98	80 - 120
Lead	49.8	47.3		mg/Kg		95	80 - 120
Molybdenum	49.8	47.7		mg/Kg		96	80 - 120
Nickel	49.8	47.3		mg/Kg		95	80 - 120
Selenium	49.8	43.6		mg/Kg		88	80 - 120
Silver	24.9	23.9		mg/Kg		96	80 - 120
Thallium	49.8	47.7		mg/Kg		96	80 - 120
Vanadium	49.8	47.7		mg/Kg		96	80 - 120
Zinc	49.8	44.9		mg/Kg		90	80 - 120

**Lab Sample ID: 440-216617-A-1-G MS ^5**

**Matrix: Solid**

**Analysis Batch: 489997**

**Client Sample ID: Matrix Spike**

**Prep Type: Total/NA**

**Prep Batch: 489685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	ND	F1	49.8	17.5	F1	mg/Kg		35	75 - 125
Arsenic	6.8		49.8	51.0		mg/Kg		89	75 - 125
Barium	180		49.8	226		mg/Kg		101	75 - 125
Beryllium	0.54		49.8	47.6		mg/Kg		95	75 - 125
Cadmium	1.4		49.8	45.7		mg/Kg		89	75 - 125
Chromium	22		49.8	77.3		mg/Kg		111	75 - 125
Cobalt	8.2		49.8	52.4		mg/Kg		89	75 - 125
Copper	28		49.8	76.4		mg/Kg		98	75 - 125
Lead	32		49.8	80.1		mg/Kg		97	75 - 125
Molybdenum	2.9		49.8	47.2		mg/Kg		89	75 - 125
Nickel	25		49.8	68.8		mg/Kg		88	75 - 125
Selenium	ND		49.8	44.7		mg/Kg		90	75 - 125
Silver	ND		24.9	23.9		mg/Kg		96	75 - 125
Thallium	ND		49.8	48.0		mg/Kg		97	75 - 125
Vanadium	49	F1	49.8	121	F1	mg/Kg		143	75 - 125
Zinc	110		49.8	146		mg/Kg		76	75 - 125

**Lab Sample ID: 440-216617-A-1-H MSD ^5**

**Matrix: Solid**

**Analysis Batch: 489997**

**Client Sample ID: Matrix Spike Duplicate**

**Prep Type: Total/NA**

**Prep Batch: 489685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	ND	F1	50.0	18.4	F1	mg/Kg		37	75 - 125	5	20
Arsenic	6.8		50.0	52.1		mg/Kg		91	75 - 125	2	20
Barium	180		50.0	235		mg/Kg		118	75 - 125	4	20
Beryllium	0.54		50.0	48.2		mg/Kg		95	75 - 125	1	20

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# QC Sample Results

Client: Leighton Consulting Inc  
 Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: 440-216617-A-1-H MSD ^5**  
**Matrix: Solid**  
**Analysis Batch: 489997**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 489685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Cadmium	1.4		50.0	46.0		mg/Kg		89	75 - 125	1	20	
Chromium	22		50.0	77.9		mg/Kg		111	75 - 125	1	20	
Cobalt	8.2		50.0	52.9		mg/Kg		89	75 - 125	1	20	
Copper	28		50.0	77.4		mg/Kg		99	75 - 125	1	20	
Lead	32		50.0	74.8		mg/Kg		86	75 - 125	7	20	
Molybdenum	2.9		50.0	47.8		mg/Kg		90	75 - 125	1	20	
Nickel	25		50.0	68.9		mg/Kg		88	75 - 125	0	20	
Selenium	ND		50.0	44.8		mg/Kg		90	75 - 125	0	20	
Silver	ND		25.0	24.3		mg/Kg		97	75 - 125	1	20	
Thallium	ND		50.0	48.3		mg/Kg		97	75 - 125	1	20	
Vanadium	49	F1	50.0	122	F1	mg/Kg		145	75 - 125	1	20	
Zinc	110		50.0	145		mg/Kg		75	75 - 125	0	20	

## Method: 7471A - Mercury (CVAA)

**Lab Sample ID: MB 440-489625/1-A**  
**Matrix: Solid**  
**Analysis Batch: 489802**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 489625**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.020	0.012	mg/Kg		07/25/18 18:50	07/25/18 20:37	1

**Lab Sample ID: LCS 440-489625/2-A**  
**Matrix: Solid**  
**Analysis Batch: 489802**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 489625**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Mercury	0.800	0.860		mg/Kg		108	80 - 120

**Lab Sample ID: 440-216551-B-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 489802**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 489625**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Mercury	0.046		0.784	0.820		mg/Kg		99	70 - 130			

**Lab Sample ID: 440-216551-B-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 489802**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 489625**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Mercury	0.046		0.784	0.839		mg/Kg		101	70 - 130	2	20	

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# QC Association Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## GC/MS VOA

### Analysis Batch: 489957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	8260B	
MB 440-489957/3	Method Blank	Total/NA	Solid	8260B	
LCS 440-489957/4	Lab Control Sample	Total/NA	Solid	8260B	
440-216584-68 MS	DRUM	Total/NA	Solid	8260B	
440-216584-68 MSD	DRUM	Total/NA	Solid	8260B	

## GC VOA

### Analysis Batch: 489977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	8015B	
MB 440-489977/5	Method Blank	Total/NA	Solid	8015B	
LCS 440-489977/3	Lab Control Sample	Total/NA	Solid	8015B	
LCSD 440-489977/4	Lab Control Sample Dup	Total/NA	Solid	8015B	
440-216584-68 MS	DRUM	Total/NA	Solid	8015B	
440-216584-68 MSD	DRUM	Total/NA	Solid	8015B	

## GC Semi VOA

### Prep Batch: 489609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	3546	
MB 440-489609/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-489609/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-216531-A-1-B MS	Matrix Spike	Total/NA	Solid	3546	
440-216531-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

### Prep Batch: 489617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-1	ABC-15-0.5	Total/NA	Solid	3546	
440-216584-2	ABC-15-2.5	Total/NA	Solid	3546	
440-216584-4	ABC-16-0.5	Total/NA	Solid	3546	
440-216584-5	ABC-16-2.5	Total/NA	Solid	3546	
440-216584-7	ABC-17-0.5	Total/NA	Solid	3546	
440-216584-8	ABC-17-2.5	Total/NA	Solid	3546	
440-216584-10	ABC-18-0.5	Total/NA	Solid	3546	
440-216584-11	ABC-18-2.5	Total/NA	Solid	3546	
440-216584-13	ABC-9-0.5	Total/NA	Solid	3546	
440-216584-14	ABC-9-2.5	Total/NA	Solid	3546	
440-216584-16	ABC-19-0.5	Total/NA	Solid	3546	
440-216584-17	ABC-19-2.5	Total/NA	Solid	3546	
440-216584-19	ABC-20-0.5	Total/NA	Solid	3546	
440-216584-20	ABC-20-2.5	Total/NA	Solid	3546	
440-216584-22	ABC-8-0.5	Total/NA	Solid	3546	
440-216584-23	ABC-8-2.5	Total/NA	Solid	3546	
440-216584-25	ABC-7-0.5	Total/NA	Solid	3546	
440-216584-26	ABC-7-2.5	Total/NA	Solid	3546	
440-216584-28	ABC-6-0.5	Total/NA	Solid	3546	
440-216584-29	ABC-6-2.5	Total/NA	Solid	3546	
MB 440-489617/1-A	Method Blank	Total/NA	Solid	3546	

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# QC Association Summary

Client: Leighton Consulting Inc  
 Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## GC Semi VOA (Continued)

### Prep Batch: 489617 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-489617/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-216584-1 MS	ABC-15-0.5	Total/NA	Solid	3546	
440-216584-1 MSD	ABC-15-0.5	Total/NA	Solid	3546	

### Prep Batch: 489620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-31	ABC-5-0.5	Total/NA	Solid	3546	
440-216584-32	ABC-5-2.5	Total/NA	Solid	3546	
440-216584-34	ABC-4-0.5	Total/NA	Solid	3546	
440-216584-35	ABC-4-2.5	Total/NA	Solid	3546	
440-216584-37	ABC-3-0.5	Total/NA	Solid	3546	
440-216584-38	ABC-3-2.5	Total/NA	Solid	3546	
440-216584-40	ABC-2-0.5	Total/NA	Solid	3546	
440-216584-41	ABC-2-2.5	Total/NA	Solid	3546	
440-216584-43	ABC-1-0.5	Total/NA	Solid	3546	
440-216584-44	ABC-1-2.5	Total/NA	Solid	3546	
440-216584-46	ABC-10-0.5	Total/NA	Solid	3546	
440-216584-47	ABC-10-2.5	Total/NA	Solid	3546	
440-216584-49	ABC-11-0.5	Total/NA	Solid	3546	
440-216584-50	ABC-11-2.5	Total/NA	Solid	3546	
440-216584-52	ABC-12-0.5	Total/NA	Solid	3546	
440-216584-53	ABC-12-2.5	Total/NA	Solid	3546	
440-216584-55	ABC-13-0.5	Total/NA	Solid	3546	
440-216584-56	ABC-13-2.5	Total/NA	Solid	3546	
440-216584-58	ABC-14-0.5	Total/NA	Solid	3546	
440-216584-68	DRUM	Total/NA	Solid	3546	
MB 440-489620/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-489620/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-216584-31 MS	ABC-5-0.5	Total/NA	Solid	3546	
440-216584-31 MSD	ABC-5-0.5	Total/NA	Solid	3546	

### Prep Batch: 489622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-59	ABC-14-2.5	Total/NA	Solid	3546	
440-216584-61	ABC-17-DUP-0.5	Total/NA	Solid	3546	
440-216584-63	ABC-19-DUP-0.5	Total/NA	Solid	3546	
440-216584-64	ABC-4-DUP-0.5	Total/NA	Solid	3546	
440-216584-65	ABC-2-DUP-2.5	Total/NA	Solid	3546	
440-216584-66	ABC-12-DUP-2.5	Total/NA	Solid	3546	
MB 440-489622/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-489622/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-216584-59 MS	ABC-14-2.5	Total/NA	Solid	3546	
440-216584-59 MSD	ABC-14-2.5	Total/NA	Solid	3546	

### Analysis Batch: 489699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-2	ABC-15-2.5	Total/NA	Solid	8082	489617
440-216584-4	ABC-16-0.5	Total/NA	Solid	8082	489617
440-216584-5	ABC-16-2.5	Total/NA	Solid	8082	489617
440-216584-7	ABC-17-0.5	Total/NA	Solid	8082	489617
440-216584-8	ABC-17-2.5	Total/NA	Solid	8082	489617

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# QC Association Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## GC Semi VOA (Continued)

### Analysis Batch: 489699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-10	ABC-18-0.5	Total/NA	Solid	8082	489617
440-216584-11	ABC-18-2.5	Total/NA	Solid	8082	489617
440-216584-13	ABC-9-0.5	Total/NA	Solid	8082	489617
440-216584-14	ABC-9-2.5	Total/NA	Solid	8082	489617
440-216584-16	ABC-19-0.5	Total/NA	Solid	8082	489617
440-216584-17	ABC-19-2.5	Total/NA	Solid	8082	489617
440-216584-19	ABC-20-0.5	Total/NA	Solid	8082	489617
440-216584-20	ABC-20-2.5	Total/NA	Solid	8082	489617
440-216584-22	ABC-8-0.5	Total/NA	Solid	8082	489617
440-216584-23	ABC-8-2.5	Total/NA	Solid	8082	489617
440-216584-25	ABC-7-0.5	Total/NA	Solid	8082	489617
440-216584-26	ABC-7-2.5	Total/NA	Solid	8082	489617
440-216584-28	ABC-6-0.5	Total/NA	Solid	8082	489617
440-216584-29	ABC-6-2.5	Total/NA	Solid	8082	489617
440-216584-32	ABC-5-2.5	Total/NA	Solid	8082	489620
440-216584-34	ABC-4-0.5	Total/NA	Solid	8082	489620
440-216584-35	ABC-4-2.5	Total/NA	Solid	8082	489620
440-216584-37	ABC-3-0.5	Total/NA	Solid	8082	489620
440-216584-38	ABC-3-2.5	Total/NA	Solid	8082	489620
440-216584-40	ABC-2-0.5	Total/NA	Solid	8082	489620
440-216584-41	ABC-2-2.5	Total/NA	Solid	8082	489620
440-216584-43	ABC-1-0.5	Total/NA	Solid	8082	489620
440-216584-44	ABC-1-2.5	Total/NA	Solid	8082	489620
440-216584-46	ABC-10-0.5	Total/NA	Solid	8082	489620
440-216584-47	ABC-10-2.5	Total/NA	Solid	8082	489620
440-216584-49	ABC-11-0.5	Total/NA	Solid	8082	489620
440-216584-50	ABC-11-2.5	Total/NA	Solid	8082	489620
440-216584-52	ABC-12-0.5	Total/NA	Solid	8082	489620
440-216584-53	ABC-12-2.5	Total/NA	Solid	8082	489620
440-216584-55	ABC-13-0.5	Total/NA	Solid	8082	489620
440-216584-56	ABC-13-2.5	Total/NA	Solid	8082	489620
440-216584-58	ABC-14-0.5	Total/NA	Solid	8082	489620
440-216584-68	DRUM	Total/NA	Solid	8082	489620

### Analysis Batch: 489702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-1	ABC-15-0.5	Total/NA	Solid	8082	489617
440-216584-31	ABC-5-0.5	Total/NA	Solid	8082	489620
440-216584-59	ABC-14-2.5	Total/NA	Solid	8082	489622
440-216584-61	ABC-17-DUP-0.5	Total/NA	Solid	8082	489622
440-216584-63	ABC-19-DUP-0.5	Total/NA	Solid	8082	489622
440-216584-64	ABC-4-DUP-0.5	Total/NA	Solid	8082	489622
440-216584-65	ABC-2-DUP-2.5	Total/NA	Solid	8082	489622
440-216584-66	ABC-12-DUP-2.5	Total/NA	Solid	8082	489622
440-216584-67	EB-1	Total/NA	Water	8082	489754
MB 440-489617/1-A	Method Blank	Total/NA	Solid	8082	489617
MB 440-489620/1-A	Method Blank	Total/NA	Solid	8082	489620
MB 440-489622/1-A	Method Blank	Total/NA	Solid	8082	489622
MB 440-489754/1-A	Method Blank	Total/NA	Water	8082	489754
LCS 440-489617/2-A	Lab Control Sample	Total/NA	Solid	8082	489617
LCS 440-489620/2-A	Lab Control Sample	Total/NA	Solid	8082	489620

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# QC Association Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## GC Semi VOA (Continued)

### Analysis Batch: 489702 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-489622/2-A	Lab Control Sample	Total/NA	Solid	8082	489622
LCS 440-489754/2-A	Lab Control Sample	Total/NA	Water	8082	489754
LCSD 440-489754/3-A	Lab Control Sample Dup	Total/NA	Water	8082	489754
440-216584-1 MS	ABC-15-0.5	Total/NA	Solid	8082	489617
440-216584-1 MSD	ABC-15-0.5	Total/NA	Solid	8082	489617
440-216584-31 MS	ABC-5-0.5	Total/NA	Solid	8082	489620
440-216584-31 MSD	ABC-5-0.5	Total/NA	Solid	8082	489620
440-216584-59 MS	ABC-14-2.5	Total/NA	Solid	8082	489622
440-216584-59 MSD	ABC-14-2.5	Total/NA	Solid	8082	489622

### Analysis Batch: 489710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	8015B	489609
MB 440-489609/1-A	Method Blank	Total/NA	Solid	8015B	489609
LCS 440-489609/2-A	Lab Control Sample	Total/NA	Solid	8015B	489609
440-216531-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B	489609
440-216531-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B	489609

### Prep Batch: 489754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-67	EB-1	Total/NA	Water	3510C	
MB 440-489754/1-A	Method Blank	Total/NA	Water	3510C	
LCS 440-489754/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 440-489754/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

## Metals

### Prep Batch: 489625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	7471A	
MB 440-489625/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-489625/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-216551-B-1-B MS	Matrix Spike	Total/NA	Solid	7471A	
440-216551-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

### Prep Batch: 489685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	3050B	
MB 440-489685/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-489685/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-216617-A-1-G MS ^5	Matrix Spike	Total/NA	Solid	3050B	
440-216617-A-1-H MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

### Analysis Batch: 489802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	7471A	489625
MB 440-489625/1-A	Method Blank	Total/NA	Solid	7471A	489625
LCS 440-489625/2-A	Lab Control Sample	Total/NA	Solid	7471A	489625
440-216551-B-1-B MS	Matrix Spike	Total/NA	Solid	7471A	489625
440-216551-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	489625

TestAmerica Irvine

# QC Association Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Metals (Continued)

### Analysis Batch: 489997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216584-68	DRUM	Total/NA	Solid	6010B	489685
MB 440-489685/1-A ^5	Method Blank	Total/NA	Solid	6010B	489685
LCS 440-489685/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	489685
440-216617-A-1-G MS ^5	Matrix Spike	Total/NA	Solid	6010B	489685
440-216617-A-1-H MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	489685

Preliminary Data

- 1
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# Definitions/Glossary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## 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.
X	Surrogate is outside control limits

### Metals

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.
F1	MS and/or MSD Recovery is outside acceptance limits.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

# Accreditation/Certification Summary

Client: Leighton Consulting Inc  
Project/Site: Malibu HS A B/C

TestAmerica Job ID: 440-216584-1

## Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	CA ELAP 2706	06-30-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8015B		Solid	GRO (C4-C12)
8015B	3546	Solid	C13-C22
8015B	3546	Solid	C23-C40
8260B		Solid	m,p-Xylene

Preliminary Data



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 Irvine, CA 92614  
 Phone: 949.261.1822 Fax:

**Chain of Custody Record**

209667

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING  
**TestAmerica Laboratories, Inc.**  
 TAL-8210 (0713)

Regulatory Program:  DW  NPDES  RCRA  Other:

Company Name: <i>Lighten Consulting</i>		Client Contact		Project Manager:		Site Contact: <i>Dr. Steve Andrews</i>		COC No. _____ of <u>4</u> COCs	
Address: <i>17781 / Cowan</i>		City/State/Zip: <i>Irvine, CA 92614</i>		Phone: <i>949-250-1421</i>		Lab Contact: <i>David Roberts</i>		Sampler: _____	
Project Name: <i>Malibu HS A B/C</i>		Site: <i>Malibu HS</i>		PO # <i>11382-025</i>		Analysis Turnaround Time		For Lab Use Only:	
						<input checked="" type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS TAT if different from Below:		Walk-in Client: _____	
						<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input checked="" type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Sampling: _____	
						Sample Date		Job / SDG No.: _____	
						Sample Time			
						Sample Type (C-Comp, G-Grab)			
						Matrix			
						# of Cont.			
						Filtered Sample (Y/N)			
						Perform MS / MSD (Y/N)			
						Sample Identification		Sample Specific Notes:	
						ABC-15-0.5			
						ABC-15-2.5			
						ABC-15-5.0			
						ABC-16-0.5			
						ABC-16-2.5			
						ABC-16-5.0			
						ABC-17-0.5			
						ABC-17-2.5			
						ABC-17-5.0			
						ABC-18-0.5			
						ABC-18-2.5			
						ABC-18-5.0			
						Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification: _____ Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample			
						<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown			
						<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months			
						Special Instructions/QC Requirements & Comments: <i>Practice all 0.5 samples first, then 2.5!</i>			
						Custody Seal No: _____		Therm ID No _____	
						Relinquished by: <i>[Signature]</i>		Date/Time: <i>7/25/18</i>	
						Relinquished by: <i>[Signature]</i>		Date/Time: _____	
						Relinquished by: <i>[Signature]</i>		Date/Time: <i>7/25/18 1300</i>	



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**TestAmerica Irvine**  
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**Chain of Custody Record**

209666

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING  
 TestAmerica Laboratories, Inc.  
 TAL-8210 (0719)

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: **Sera Anicheta** Date: **7/25/10** COC No: **2** of **4** COCs

Client Contact: **Wynona Consulting** Lab Contact: **Danielle Roberts** Carrier:

Company Name: **Wynona Consulting**  
 Address: **17410 Cowan**  
 City/State/Zip: **Irvine, CA 92614**  
 Phone: **949-250-1411**  
 Fax:  
 Project Name: **Malibu HS A B/C**  
 Site: **Malibu HS**  
 P O #: **11587-005**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes:
ABC-9-0.5	7/25/10	0806	G	S	1			
ABC-9-2.5		0807						
ABC-9-5.0		0808						
ABC-19-0.5		0809						
ABC-19-2.5		0811						
ABC-19-5.0		0812						
ABC-20-0.5		0813						
ABC-20-2.5		0814						
ABC-20-5.0		0815						
ABC-8-0.5		0816						
ABC-8-2.5		0817						
ABC-8-5.0		0818						

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other  
 Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments: **Prioritize 0.5 samples first!**

Relinquished by	Company	Date/Time	Relinquished by	Company	Date/Time
<i>[Signature]</i>	CC1	7/25/10 1300			



**TestAmerica Irvine**  
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 Phone: 949.261.1022 Fax:

**Chain of Custody Record** 209665

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING  
**TestAmerica Laboratories, Inc.**  
 TAL-8210 (0713)

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: <b>SAM</b>		Date: <b>7/15/18</b>		COC No: <b>3</b> of <b>6</b> COCs	
Tel/Fax:		Carrier:		Sampler:	
Analysis Turnaround Time		Lab Contact: <b>DE</b>		For Lab Use Only:	
<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below:		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input checked="" type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Walk-in Client Lab Sampling	
Project Name: <b>Avilim HS A v1c</b>		Job / SDG No.:		Sample Specific Notes	
Site: <b>Mulhisa HS</b>					
P O #: <b>11382-005</b>					
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
ABC-7-0.5	7/15/18	0819	G	S	1
ABC-7-2.5		0820			
ABC-7-5.0		0821			
ABC-6-0.5		0830			
ABC-6-2.5		0831			
ABC-6-5.0		0837			
ABC-5-0.5		0833			
ABC-5-2.5		0834			
ABC-5-5.0		0835			
ABC-4-0.5		0840			
ABC-4-2.5		0841			
ABC-4-5.0		0843			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.					
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown					
Special Instructions/QC Requirements & Comments: <b>Prioritiz 0.5 samples</b>					
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temp. (°C):		Therm ID No.:	
Relinquished by: <b>SLO</b>		Company: <b>CC</b>		Date/Time: <b>7/15/18 1300</b>	
Relinquished by:		Company:		Date/Time:	
Relinquished by:		Company:		Date/Time:	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received in Laboratory by: \_\_\_\_\_ Date/Time: **7/25/18 1300**

Company: **TA IRV**



**TestAmerica Irvine**  
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 Irvine, CA 92614  
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**Chain of Custody Record** 209661

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING  
**TestAmerica Laboratories, Inc.**  
 TAL-8210 (0713)

Regulatory Program:  DW  NPDES  RCRA  Other:

Company Name: <u>Gingher Consulting</u> Address: <u>17461 Berian Ave Suite 100</u> City/State/Zip: <u>Irvine CA 92614</u> Phone: <u>949-261-1411</u> Fax: _____ Project Name: <u>Malibu HS A BLC</u> Site: <u>Malibu HS</u> P O #: <u>1387.005</u>		Client Contact Name: _____ Title: _____ Phone: _____ Fax: _____		Project Manager: Name: <u>SAM</u> Title: <u>DR</u>		Date: <u>7/15/18</u> Carrier: _____		COC No: <u>4</u> of <u>6</u> COCs Sampler: _____ For Lab Use Only: Walk-in Client _____ Lab Sampling _____ Job / SDG No: _____			
Analysis Turnaround Time <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input checked="" type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Sample Date: <u>7/15/18</u>		Sample Time: _____		Sample Type (C=Comp, G=Grab): <u>G</u>		Matrix: <u>S</u>		# of Cont.: _____	
Sample Identification <u>ABC-3-0.5</u> <u>ABC-3-2.5</u> <u>ABC-3-5.0</u> <u>ABC-2-0.5</u> <u>ABC-2-2.5</u> <u>ABC-2-5.0</u> <u>ABC-1-0.5</u> <u>ABC-1-5.0</u> <u>ABC-10-0.5</u> <u>ABC-10-2.5</u> <u>ABC-10-5.0</u>		Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		Return to Client <input type="checkbox"/>		Disposal by Lab <input type="checkbox"/>		Archive for _____ Months	
Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other		Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown									
Special Instructions/QC Requirements & Comments: <u>Priority 0.5 samples</u> <u>3.7 4.0 6.6</u>											
Relinquished by: <u>SM</u>		Relinquished by: _____		Relinquished by: _____		Relinquished by: _____		Relinquished by: _____		Relinquished by: _____	
Date/Time: <u>7/15/18 1300</u>		Date/Time: _____		Date/Time: _____		Date/Time: _____		Date/Time: _____		Date/Time: <u>7/25/18 1300</u>	
Company: <u>CLL</u>		Company: _____		Company: _____		Company: _____		Company: _____		Company: <u>HA REV</u>	
Custody Seal No: _____		Cooler Temp. (°C): Obs'd _____		Cooler Temp. (°C): Corr'd _____		Therm ID No.: _____		Therm ID No.: _____		Therm ID No.: _____	



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 Irvine, CA 92614  
 Phone: 949.261.1022 Fax:

**Chain of Custody Record**

209662

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING  
**TestAmerica Laboratories, Inc.**  
 TAL-8210 (0713)

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: SM Date: 7/25/18 of 4 COCs  
 Tell/Fax: SM Carrier: YR  
 Analysis Turnaround Time  
 CALENDAR DAYS  WORKING DAYS  
 TAT if different from Below  
 2 weeks  1 week  2 days  1 day

Client Contact  
 Company Name: Lighter Consulting  
 Address: 17481 Cowan  
 City/State/Zip: IRVINE, CA 92614  
 Phone: 949-290-1424  
 Fax:  
 Project Name: Malibu HS A BIL  
 Site: Malibu HI  
 P O #: 11387-055

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes:
APC-11-D-5	7/25/18		G	S	1	X		
APC-11-7-5						X		
APC-11-5-0						X		
APC-11-D-5						X		
APC-12-7-5						X		
APC-12-5-0						X		
APC-13-7-5						X		
APC-13-5-0						X		
APC-14-D-5						X		
APC-14-7-5						X		
APC-14-5-0						X		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other  
 Possible Hazard Identification: \_\_\_\_\_  
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  
 Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Special Instructions/QC Requirements & Comments:  
Priority 0.5 samples  
 Cooler Temp (°C) Obs'd: 3.7 Corrid: 4.0 Therm ID No.: CCP

Relinquished by:	Company:	Date/Time:
<u>[Signature]</u>	<u>CCI</u>	<u>7/25/18</u>
Relinquished by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:



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**Chain of Custody Record** 209663

**TestAmerica**  
 THE LEADER IN ENVIRONMENTAL TESTING  
 TestAmerica Laboratories, Inc.  
 TAL-8210 (0713)

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: <b>SJM</b>		Date: <b>7/25/18</b>		COC No: <b>6</b> of <b>4</b> COCs	
Tel/Fax:		Carrier:		Sampler:	
Analysis Turnaround Time		Lab Contact: <b>DIL</b>		For Lab Use Only:	
<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below:		<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Walk-in Client:	
<input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Perform MS/MSD (Y/N)		Lab Sampling	
Filtered Sample (Y/N)		PCBs HOLD VOCs Lead Metals TPH G/D/D		Job / SDG No.:	
Sample Identification		Sample Type (C=Comp, G=Grab)		Sample Specific Notes:	
Sample Date	Sample Time	Matrix	# of Cont.		
ABC-17-DUP-0.5	7/25/18 0759	S	1		
ABC-17-DUP-5.0	0802				
ABC-19-DUP-0.5	0810				
ABC-4-DUP-0.5	0841				
ABC-2-DUP-2.5	0910				
ABC-17-PUP-2.5	0913	W	2		
EB-1	0945	S	1		
DUM	0955				

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments: **STANDARD AT FOR THIS PAGE ONLY**

Cooler Temp. (°C): Obs'd: **3-7** Corr'd: **4.0** Therm ID No. **649**

Received by: **LLI** Date/Time: **7/25/18 1300**

Received by: **[Signature]** Date/Time: **7/25/18 1300**

Received in Laboratory: **[Signature]** Date/Time: **7/25/18 1300**



## Login Sample Receipt Checklist

Client: Leighton Consulting Inc

Job Number: 440-216584-1

**Login Number: 216584**

**List Source: TestAmerica Irvine**

**List Number: 1**

**Creator: Escalante, Maria I**

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	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
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?	False	Refer to Job Narrative for details.
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.	False	No date or time on COC, logged in per container labels.
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	