

## Appendix C – Errata Laboratory Reports



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

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<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order: 041712789

Customer ID: SMGS78B

Customer PO:

Project ID: Oroville EM OP

**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966

**Project:** 2017.05.05 Diversion Dam (Oroville EM OP)

**Phone:** (661) 699-9375

**Fax:**

**Received Date:** 5/7/2017 9:00 AM

**Analysis Date:** 05/09/2017 - 05/10/2017

**Collected Date:** 05/05/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5 μ	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
0505-OFD-TPT-01	WP 279- AM N. DIVERSION DAM	2467.50	0.1580	1	None Detected			0.0010	<6.30	<0.0010
041712789-0001										
0505-OFD-TPT-02	WP 251- AM DIVERSION DAM YARD	2456.80	0.1580	1	None Detected			0.0010	<6.30	<0.0010
041712789-0002										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0505-OFD-TPT-03	WP 279- AM SE DIVERSION DAM	2485.10	0.1580	0	None Detected			0.0010	<6.30	<0.0010
041712789-0003										
0505-OFD-TPT-04	WP 277- AM SW DIVERSION DAM	2291.80	0.1720	0	None Detected			0.0010	<5.80	<0.0010
041712789-0004										
0505-OFD-TPT-05	WP 281- AM CHEROKEE ROAD	2116.00	0.1850	1	None Detected			0.0010	<5.40	<0.0010
041712789-0005										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0505-OFD-TPT-06	WP 278- PM N. DIVERSION DAM	2550.80	0.1580	0	None Detected			0.0010	<6.30	<0.0010
041712789-0006										
0505-OFD-TPT-07	WP 251- PM DIVERSION DAM YARD	2583.40	0.1580	0	None Detected			0.0009	<6.30	<0.0009
041712789-0007										
0505-OFD-TPT-08	WP 279- PM SE DIVERSION DAM	2567.80	0.1580	0	None Detected			0.0009	<6.30	<0.0010
041712789-0008										
0505-OFD-TPT-09	WP 277- PM SW DIVERSION DAM	2543.90	0.1580	0	None Detected			0.0010	<6.30	<0.0010
041712789-0009										
0505-OFD-TPT-10	WP 281- PM CHEROKEE ROAD	2226.00	0.1850	0	Actinolite	1	0	0.0009	5.40	0.00094
041712789-0010										
0505-OFD-TPT-11	FIELD BLANK 1	0.00	0.1320	0	None Detected			N/A	<7.60	N/A
041712789-0011										
0505-OFD-TPT-12	FIELD BLANK 2	0.00	0.1320	0	None Detected			N/A	<7.60	N/A
041712789-0012										



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**EMSL Order:** 041712789  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP


**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966  
**Project:** 2017.05.05 Diversion Dam (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/ 7/2017 9:00 AM  
**Analysis Date:** 05/09/2017 - 05/10/2017  
**Collected Date:** 05/05/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ	< 5		≥5μ	(S/mm <sup>2</sup> )

Analyst(s)  
Frank Craig (12)

  
Benjamin Ellis, Laboratory Manager  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. Samples received in good condition unless otherwise noted. The test results meet the requirements of NELAC unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial Report From: 05/11/2017 13:04:20



# EMSL Analytical, Inc.

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**EMSL Order:** 091708755  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP

**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966  
**Project:** 2017.05.06 Diversion Dam (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/ 7/2017 4:45 PM  
**Analysis Date:** 05/11/2017  
**Collected Date:** 05/06/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
0506-OFD-TPT-01	WP 278 - AM N. DIVERSION DAM	2563.00	0.1630	3	None Detected			0.0009	<6.20	<0.0009
<i>091708755-0001</i> Non-asbestos structures reported contains a contribution from non-regulated amphiboles										
0506-OFD-TPT-02	WP 251 - AM DIVERSION DAM YARD	2602.80	0.1500	3	None Detected			0.0010	<6.70	<0.0010
<i>091708755-0002</i> Non-asbestos structures reported contains a contribution from non-regulated amphiboles										
0506-OFD-TPT-03	WP 279 - AM SE DIVERSION DAM	2552.30	0.1630	4	None Detected			0.0009	<6.20	<0.0009
<i>091708755-0003</i>										
0506-OFD-TPT-04	WP 277 - AM SW DIVERSION DAM	2534.50	0.1630	0	None Detected			0.0009	<6.20	<0.0009
<i>091708755-0004</i>										
0506-OFD-TPT-05	WP 281 - AM CHEROKEE RD.	2120.60	0.1880	1	None Detected			0.0010	<5.30	<0.0010
<i>091708755-0005</i> Non-asbestos structures reported contains a contribution from non-regulated amphiboles										
0506-OFD-TPT-06	WP 278 - PM N. DIVERSION DAM	2548.90	0.1630	2	None Detected			0.0009	<6.20	<0.0009
<i>091708755-0006</i>										
0506-OFD-TPT-07	WP 251 - PM DIVERSION DAM YARD	2459.60	0.1630	1	None Detected			0.0010	<6.20	<0.0010
<i>091708755-0007</i>										
0506-OFD-TPT-08	WP 279 - PM SE DIVERSION DAM	2480.60	0.1630	1	None Detected			0.0010	<6.20	<0.0010
<i>091708755-0008</i>										
0506-OFD-TPT-09	WP 277 - PM SW DIVERSION DAM	2494.30	0.1630	1	None Detected			0.0010	<6.20	<0.0010
<i>091708755-0009</i> Non-asbestos structures reported contains a contribution from non-regulated amphiboles										
0506-OFD-TPT-10	WP 281 - PM CHEROKEE RD.	2545.90	0.1630	0	None Detected			0.0009	<6.20	<0.0009
<i>091708755-0010</i>										
0506-OFD-TPT-FB1	FIELD BLANK 01	0.00	0.1250	0	None Detected			N/A	<8.00	N/A
<i>091708755-0011</i>										
0506-OFD-TPT-FB2	FIELD BLANK 02	0.00	0.1250	0	None Detected			N/A	<8.00	N/A
<i>091708755-0012</i>										



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**EMSL Order:** 091708755  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP

**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
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Oroville, CA 95966  
**Project:** 2017.05.06 Diversion Dam (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/ 7/2017 4:45 PM  
**Analysis Date:** 05/11/2017  
**Collected Date:** 05/06/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm <sup>2</sup> )	(S/cc)

Analyst(s)  
Matthew Batongbacal (12)

  
Matthew Batongbacal  
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. Results reported in both structures/cm3 and structures/mm2 are dependent on the volume of Airsampled and measured by non-laboratory personnel are not the responsibility of EMSL and are not covered by the laboratory's NVLAP accreditation. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial Report From: 05/11/2017 19:48:56



# LA Testing

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**LA Testing Order:** 331709470  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP


**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966  
**Project:** 2017.05.07 Upper Area (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/ 9/2017 10:20 AM  
**Analysis Date:** 05/12/2017  
**Collected Date:** 05/07/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
0507-OFD-PMT-01 331709470-0001	WP 246 - AM Intake Yard	2149.00	0.1800	1	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-02 331709470-0002	WP 247 - AM Upper Overlook Entry	2151.90	0.1800	0	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-03 331709470-0003	WP 248 - AM Upper Overlook	2146.00	0.1800	0	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-04 331709470-0004	WP 249 - AM Canyon Drive	2143.00	0.1800	0	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-05 331709470-0005	WP 246 - PM Intake Yard	2172.00	0.1800	0	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-06 331709470-0006	WP 247 - PM Upper Overlook Entry	2157.50	0.1800	0	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-07 331709470-0007	WP 248 - PM Upper Overlook	2164.80	0.1800	1	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-08 331709470-0008	WP 249 - PM Canyon Drive	2153.30	0.1800	0	None Detected			0.0010	<5.60	<0.0010
0507-OFD-PMT-FB1 331709470-0009	Field Blank 1	0.00	0.1200	0	None Detected			N/A	<8.30	N/A
0507-OFD-PMT-FB2 331709470-0010	Field Blank 2	0.00	0.1200	0	None Detected			N/A	<8.30	N/A

Analyst(s)  
Jeffrey Deboo (10)

  
Michael DeCavallas, Laboratory Manager  
or other approved signatory

LA Testing is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.

Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0

Initial Report From: 05/12/2017 12:04:37



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649  
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**LA Testing Order:** 331709785  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP

**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966  
**Project:** 2017.05.11 Upper Area (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/13/2017 9:00 AM  
**Analysis Date:** 05/16/2017 - 05/18/2017  
**Collected Date:** 05/11/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5μ	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
0511-OFD-PMT-01 331709785-0001	WP 246 - AM Intake Yard	2017.80	0.1920	3	Actinolite	1	0	0.0010	5.20	0.00099
0511-OFD-PMT-02 331709785-0002	WP 247 - AM Upper Overlook Entry	2014.80	0.1920	12	Actinolite	0	1	0.0010	5.20	0.0010
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0511-OFD-PMT-03 331709785-0003	WP 248 - AM Upper Overlook	2013.90	0.1920	10	None Detected			0.0010	<5.20	<0.0010
0511-OFD-PMT-04 331709785-0004	WP 249 - AM Canyon Drive	1994.20	0.2040	7	Actinolite	0	1	0.0009	4.90	0.00095
0511-OFD-PMT-05 331709785-0005	WP 246 - PM Intake Yard	2211.00	0.1800	11	Actinolite	0	1	0.0010	5.60	0.00097
0511-OFD-PMT-06 331709785-0006	WP 247 - PM Upper Overlook Entry	2221.40	0.1800	4	None Detected			0.0010	<5.60	<0.0010
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0511-OFD-PMT-07 331709785-0007	WP 248 - PM Upper Overlook	2228.80	0.1920	1	Actinolite	0	1	0.0009	5.20	0.0009
0511-OFD-PMT-08 331709785-0008	WP 249 - PM Canyon Drive	2242.20	0.1800	5	None Detected			0.0010	<5.60	<0.0010
0511-OFD-PMT-FB1 331709785-0009	Field Blank 1	0.00	0.1200	0	None Detected			N/A	<8.30	N/A
0511-OFD-PMT-FB2 331709785-0010	Field Blank 2	0.00	0.1200	0	None Detected			N/A	<8.30	N/A

Analyst(s)  
Larry Kolk (10)

Michael DeCavallas, Laboratory Manager  
or other approved signatory

LA Testing is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.  
Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649  
 Tel/Fax: (714) 828-4999 / (714) 828-4944  
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**LA Testing Order:** 331709786  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP

**Attention:** Dave Beadle, CIH  
 Safety Management Systems  
 460 Glen Drive  
 Industrial Hygiene 321  
 Oroville, CA 95966  
**Project:** 2017.05.11 Diversion Dam (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/13/2017 9:00 AM  
**Analysis Date:** 05/16/2017  
**Collected Date:** 05/11/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
0511-OFD-TPT-01	WP 278 - AM N. Diversion Dam	2668.70	0.1560	1	None Detected			0.0009	<6.40	<0.0009
331709786-0001										
0511-OFD-TPT-02	WP 251 - AM Diversion Dam Yard	2722.30	0.1440	2	None Detected			0.0010	<6.90	<0.0010
331709786-0002										
0511-OFD-TPT-03	WP 279 - AM SE Diversion Dam	2654.60	0.1560	0	None Detected			0.0009	<6.40	<0.0009
331709786-0003										
0511-OFD-TPT-04	WP 277 - AM SW Diversion Dam	2607.90	0.1560	1	None Detected			0.0009	<6.40	<0.0010
331709786-0004										
0511-OFD-TPT-05	WP 281 - AM Cherokee Rd.	2252.90	0.1800	0	None Detected			0.0009	<5.60	<0.0010
331709786-0005										
0511-OFD-TPT-06	WP 278 - PM N. Diversion Dam	2325.50	0.1680	0	None Detected			0.0010	<6.00	<0.0010
331709786-0006										
0511-OFD-TPT-07	WP 251 - PM Diversion Dam Yard	2277.30	0.1800	2	None Detected			0.0009	<5.60	<0.0009
331709786-0007										
0511-OFD-TPT-08	WP 279 - PM SE Diversion Dam	2383.50	0.1680	2	None Detected			0.0010	<6.00	<0.0010
331709786-0008										
0511-OFD-TPT-09	WP 277 - PM SW Diversion Dam	2401.20	0.1680	1	None Detected			0.0010	<6.00	<0.0010
331709786-0009										
0511-OFD-TPT-10	WP 281 - PM Cherokee Rd.	2071.70	0.1920	0	None Detected			0.0010	<5.20	<0.0010
331709786-0010										
0511-OFD-TPT-FB1	Field Blank 1	0.00	0.1200	0	None Detected			N/A	<8.30	N/A
331709786-0011										
0511-OFD-TPT-FB1	Field Blank 2	0.00	0.1200	0	None Detected			N/A	<8.30	N/A
331709786-0012										





# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649  
Tel/Fax: (714) 828-4999 / (714) 828-4944  
<http://www.LATesting.com> / [gardengrovelab@latesting.com](mailto:gardengrovelab@latesting.com)

**LA Testing Order:** 331709786  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP


**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966  
**Project:** 2017.05.11 Diversion Dam (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/13/2017 9:00 AM  
**Analysis Date:** 05/16/2017  
**Collected Date:** 05/11/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm <sup>2</sup> )	(S/cc)

Analyst(s)  
Jeffrey Deboo (12)

  
Michael DeCavallas, Laboratory Manager  
or other approved signatory

LA Testing is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above and may not be reproduced except in full, without written approval by LA Testing. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. LA Testing bears no responsibility for sample collection activities or analytical method limitations. Sample received in acceptable condition unless otherwise noted. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.  
Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0

Initial Report From: 05/16/2017 17:36:51



# LA Testing

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**LA Testing Order:** 331709784  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP


**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966  
**Project:** 2017.05.11 Burma Rd (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/13/2017 9:00 AM  
**Analysis Date:** 05/18/2017 - 05/22/2017  
**Collected Date:** 05/11/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
0511-OFD-BPT-01 331709784-0001	WP 017A - AM Burma	2217.10	0.1800	18	Actinolite	0	1	0.0010	5.60	0.00096
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0511-OFD-BPT-02 331709784-0002	WP 017A - PM Burma	2089.30	0.1920	2	None Detected			0.0010	<5.20	<0.0010
0511-OFD-BPT-FB1 331709784-0003	Field Blank 1	0.00	0.1200	0	None Detected			N/A	<8.30	N/A
0511-OFD-BPT-FB2 331709784-0004	Field Blank 2	0.00	0.1200	0	None Detected			N/A	<8.30	N/A

Analyst(s)  
Larry Kolk (4)

  
Michael DeCavallas, Laboratory Manager  
or other approved signatory

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Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0

Initial Report From: 05/24/2017 12:07:07



# LA Testing

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<http://www.LATesting.com> / [gardengrovelab@latestesting.com](mailto:gardengrovelab@latestesting.com)

**LA Testing Order:** 331709781  
**Customer ID:** SMGS78B  
**Customer PO:**  
**Project ID:** Oroville EM OP


**Attention:** Dave Beadle, CIH  
Safety Management Systems  
460 Glen Drive  
Industrial Hygiene 321  
Oroville, CA 95966  
**Project:** 2017.05.11 Launch Ramp (Oroville EM OP)

**Phone:** (661) 699-9375  
**Fax:**  
**Received Date:** 5/13/2017 9:00 AM  
**Analysis Date:** 05/17/2017  
**Collected Date:** 05/11/2017

## Test Report: Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by CARB-Modified AHERA

Sample	Location	Volume (Liters)	Area Analyzed (mm <sup>2</sup> )	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm <sup>2</sup> )	(S/cc)
0511-OFD-LRP-01	WP 009A - AM Launch Ramp Parking	1979.50	0.2040	5	None Detected			0.0010	<4.90	<0.0010
331709781-0001										
0511-OFD-LRP-02	WP 010A - AM Launch Ramp Turnaround	1998.80	0.2040	4	None Detected			0.0009	<4.90	<0.0009
331709781-0002										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0511-OFD-LRP-03	WP 009A - PM Launch Ramp Parking	2212.60	0.1800	0	None Detected			0.0010	<5.60	<0.0010
331709781-0003										
0511-OFD-LRP-04	WP 010A - PM Launch Ramp Turnaround	2236.40	0.1800	0	None Detected			0.0010	<5.60	<0.0010
331709781-0004										
0511-OFD-LRP-FB1	Field Blank 1	0.00	0.1200	0	None Detected			N/A	<8.30	N/A
331709781-0005										
0511-OFD-LRP-FB2	Field Blank 2	0.00	0.1200	0	None Detected			N/A	<8.30	N/A
331709781-0006										

Analyst(s)  
Jeffrey Deboo (6)

  
Michael DeCavallas, Laboratory Manager  
or other approved signatory

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Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0

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