Appendix A – Laboratory Reports

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
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EMSL Order: 041726754
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.08 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:50 PM
Analysis Date: 09/12/2017 - 09/13/2017
Collected Date: 09/08/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0908-OFD-PMT-01	WP246 AM Intake Yard	1933.20	0.2050	1	Actinolite	1	0	0.0010	**4.90**	**0.00097**
041726754-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-PMT-02	WP247 AM Upper Overlook Entry	1935.90	0.2050	0	Actinolite	0	2	0.0010	**9.80**	**0.0019**
041726754-0002										
0908-OFD-PMT-03	WP248 AM Upper Overlook	1931.40	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041726754-0003										
0908-OFD-PMT-04	WP249 AM Canyon Drive	1941.30	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041726754-0004										
0908-OFD-PMT-05	WP246 PM Intake Yard	1957.50	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
041726754-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-PMT-06	WP247 PM Upper Overlook Entry	1957.50	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041726754-0006										
0908-OFD-PMT-07	WP248 PM Upper Overlook	1952.10	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
041726754-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-PMT-08	WP249 PM Canyon Drive	1949.40	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041726754-0008										
0908-OFD-PMT-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041726754-0009										
0908-OFD-PMT-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041726754-0010										

Analyst(s)
Matthew Dare (10)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/13/2017 16:21:26

EMSL Analytical, Inc.

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EMSL Order: 041726752
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.08 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:50 PM
Analysis Date: 09/12/2017 - 09/13/2017
Collected Date: 09/08/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0908-OFD-TPT-01	WP278 AM N. Diversion Dam	1871.10	0.2180	2	Actinolite	1	0	0.0009	**4.60**	**0.00095**
041726752-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-TPT-02	WP251 AM Diversion Dam Yard	1852.20	0.2180	3	None Detected			0.0010	**<4.60**	**<0.0010**
041726752-0002										
0908-OFD-TPT-03	WP279 AM SE Diversion Dam	1857.60	0.2180	4	None Detected			0.0010	**<4.60**	**<0.0010**
041726752-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-TPT-04	WP277 AM SW Diversion Dam	1864.50	0.2180	1	None Detected			0.0009	**<4.60**	**<0.0010**
041726752-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-TPT-05	WP019A AM E Diversion Dam	1858.80	0.2180	1	None Detected			0.0010	**<4.60**	**<0.0010**
041726752-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-TPT-06	WP020A AM SE Canal	1859.90	0.2180	1	None Detected			0.0010	**<4.60**	**<0.0010**
041726752-0006										
0908-OFD-TPT-07	WP021A AM SW Canal	1876.50	0.2180	0	None Detected			0.0009	**<4.60**	**<0.0009**
041726752-0007										
0908-OFD-TPT-08	WP281 AM Cherokee Rd.	1895.80	0.2050	0	Actinolite	1	0	0.0010	**4.90**	**0.00099**
041726752-0008										
0908-OFD-TPT-09	WP278 PM N. Diversion Dam	1964.80	0.2050	0	Actinolite	1	0	0.0010	4.90	0.00096
					Chrysotile	0	1		4.90	0.00096
041726752-0009					**Total for all types.....**				**9.80**	**0.0019**
0908-OFD-TPT-10	WP251 PM Diversion Dam Yard	1954.80	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041726752-0010										
0908-OFD-TPT-11	WP279 PM SE Diversion Dam	1983.80	0.2050	0	Actinolite	0	1	0.0009	**4.90**	**0.00095**
041726752-0011										
0908-OFD-TPT-12	WP277 PM SW Diversion Dam	1991.00	0.2050	1	None Detected			0.0009	**<4.90**	**<0.0009**
041726752-0012										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-TPT-13	WP019A PM E Diversion Dam	1969.30	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041726752-0013										
0908-OFD-TPT-14	WP020A PM SE Canal	1941.30	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041726752-0014										

Initial Report From: 09/13/2017 11:44:07

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EMSL Order: 041726752
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.08 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:50 PM
Analysis Date: 09/12/2017 - 09/13/2017
Collected Date: 09/08/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0908-OFD-TPT-15 *041726752-0015*	WP021A PM SW Canal	1949.40	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
0908-OFD-TPT-16 *041726752-0016*	WP281 PM Cherokee Rd.	1951.20	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
0908-OFD-TPT-FB1 *041726752-0017*	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
0908-OFD-TPT-FB2 *041726752-0018*	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
William Nguyen (18)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/13/2017 11:44:07

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EMSL Order: 041726761
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.08 Burma Rd. (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:50 PM
Analysis Date: 09/11/2017
Collected Date: 09/08/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0908-OFD-BPT-01	WP017A AM Burma Road	1962.00	0.2050	0	Actinolite	0	1	0.0010	**4.90**	**0.00096**
041726761-0001										
0908-OFD-BPT-02	WP017A PM Burma Road	1943.80	0.2050	2	Actinolite	2	0	0.0010	**9.80**	**0.0019**
041726761-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-BPT-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041726761-0003										
0908-OFD-BPT-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041726761-0004										

Analyst(s)
Matthew Dare (4)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/12/2017 10:32:05

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
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EMSL Order: 041726762
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.08 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/11/2017 3:50 PM
Analysis Date: 09/11/2017 - 09/12/2017
Collected Date: 09/08/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0908-OFD-LRP-01	WP009A AM Launch Ramp Parking	1933.20	0.2050	0	Actinolite	1	3	0.0010	**20.00**	**0.0039**
041726762-0001										
0908-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1927.80	0.2050	1	Actinolite	1	1	0.0010	**9.80**	**0.0020**
041726762-0002										
0908-OFD-LRP-03	WP009A PM Launch Ramp Parking	1954.80	0.2050	1	Actinolite	0	2	0.0010	**9.80**	**0.0019**
041726762-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1964.80	0.2050	0	Actinolite	1	3	0.0010	**20.00**	**0.0038**
041726762-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0908-OFD-LRP-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041726762-0005										
0908-OFD-LRP-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041726762-0006										

Analyst(s)
Matthew Dare (6)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/13/2017 11:38:22

EMSL Analytical, Inc.

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EMSL Order: 091717720
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.09 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:00 PM
Analysis Date: 09/12/2017
Collected Date: 09/09/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0909-OFDPMT-01	WP246 AM INTAKE YARD	1941.30	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0001										
0909-OFDPMT-02	WP247 AM UPPER OVERLOOK ENTRY	1934.10	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0002										
0909-OFDPMT-03	W248 AM UPPER OVERLOOK	1934.10	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0003										
0909-OFDPMT-04	WP249 AM CANYON DRIVE	1944.00	0.2110	3	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0004										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0909-OFDPMT-05	WP246 PM INTAKE YARD	1940.40	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0005										
0909-OFDPMT-06	WP247 PM UPPER OVERLOOK ENTRY	1934.90	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0006										
0909-OFDPMT-07	WP248 PM UPPER OVERLOOK	1937.70	0.2110	1	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0007										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0909-OFDPMT-08	WP249 PM CANYON DRIVE	1937.70	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
091717720-0008										
0909-OFDPMT-FB1	FIELD BLANK 1	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
091717720-0009										
0909-OFDPMT-FB2	FIELD BLANK 2	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
091717720-0010										

Analyst(s)
Derrick Young (10)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial Report From: 09/12/2017 18:26:48

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

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EMSL Order: 091717722
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.09 DIVERSION DAM (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:00 PM
Analysis Date: 09/18/2017 - 10/03/2017
Collected Date: 09/09/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0909-OFD-TPT-01	WP278 AM N. DIVERSION DAM	1851.90	0.2110	12	Actinolite	1	0	0.0010	**4.70**	**0.00098**
091717722-0001										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-02	WP251 AM DIVERSION DAM YARD	1840.70	0.2110	12	None Detected			0.0010	**<4.70**	**<0.0010**
091717722-0002										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-03	WP279 AM SE DIVERSION DAM	1872.20	0.2110	6	Actinolite	2	2	0.0010	**19.00**	**0.0039**
091717722-0003										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-04	WP277 AM SW DIVERSION DAM	1872.20	0.2110	9	Actinolite	1	1	0.0010	**9.50**	**0.0019**
091717722-0004										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-05	WP019A AM E. DIVERSION DAM	1876.00	0.2110	5	Actinolite	2	2	0.0010	**19.00**	**0.0039**
091717722-0005										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-06	WP020 AM SE CANAL	1884.00	0.2110	8	Actinolite	2	1	0.0010	**14.00**	**0.0029**
091717722-0006										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-07	WP021A AM SW CANAL	1891.10	0.2110	8	Actinolite	1	0	0.0010	**4.70**	**0.00096**
091717722-0007										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-08	WP281 AM CHEROKEE RD.	1913.30	0.2110	11	Actinolite Chrysotile	2 3	0 0	0.0010	9.50 14.00	0.0019 0.0029
091717722-0008					**Total for all types.....**				**23.50**	**0.0048**
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-09	WP278 PM N. DIVERSION DAM	2031.80	0.1980	15	None Detected			0.0010	**<5.10**	**<0.0010**
091717722-0009										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-10	WP251 PM DIVERSION DAM YARD	2024.40	0.1980	19	Chrysotile	1	0	0.0010	**5.10**	**0.00096**
091717722-0010										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-11	WP279 PM SE DIVERSION DAM	2011.50	0.1980	9	Actinolite	0	1	0.0010	**5.10**	**0.00097**
091717722-0011										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										

Report amended: 10/04/2017 11:20:11 Replaces initial report from: 10/03/2017 18:13:59 Reason Code: Data Entry-Results Changed

EMSL Analytical, Inc.

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EMSL Order: 091717722
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.09 DIVERSION DAM (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:00 PM
Analysis Date: 09/18/2017 - 10/03/2017
Collected Date: 09/09/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0909-OFD-TPT-12	WP277 PM SW DIVERSION DAM	2011.50	0.1980	10	Actinolite	1	0	0.0010	5.10	0.00097
					Chrysotile	1	0		5.10	0.00097
091717722-0012					**Total for all types.....**				**10.20**	**0.0019**
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-13	WP019A PM E DIVERSION DAM	2008.10	0.1980	9	Actinolite	1	1	0.0010	**10.00**	**0.0019**
091717722-0013										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-14	WP020A PM SE CANAL	1992.60	0.1980	8	Actinolite	1	1	0.0010	10.00	0.0020
					Chrysotile	0	1		5.10	0.00098
091717722-0014					**Total for all types.....**				**15.10**	**0.0030**
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-15	WP021A PM SW CANAL				Not Analyzed					
091717722-0015										
Sampling pump failure. Sample archived										
0909-OFD-TPT-16	WP281 PM CHEROKEE RD.	2014.20	0.1980	11	Actinolite	1	2	0.0010	**15.00**	**0.0029**
091717722-0016										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0909-OFD-TPT-FB1	FIELD BLANK 1	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
091717722-0017										
0909-OFD-TPT-FB2	FIELD BLANK 2	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
091717722-0018										

Analyst(s)
Stephen Bennett (17)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, Virginia 3333-000228, West Virginia LT000321

Report amended: 10/04/2017 11:20:11 Replaces initial report from: 10/03/2017 18:13:59 Reason Code: Data Entry-Results Changed

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EMSL Order: 091717721
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.09 BURMA RD (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:00 PM
Analysis Date: 09/12/2017
Collected Date: 09/09/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0909-OFD-BPT-01	WP017A AM BURMA ROAD	1964.80	0.2080	6	None Detected			0.0009	**<4.80**	**<0.0009**
091717721-0001										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0909-OFD-BPT-02	WP017A PM BURMA ROAD	1995.60	0.1950	1	None Detected			0.0010	**<5.10**	**<0.0010**
091717721-0002										
0909-OFD-BPT-FB1	FIELD BLANK 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
091717721-0003										
0909-OFD-BPT-FB2	FIELD BLANK 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
091717721-0004										

Analyst(s)
Aaron Hartley (4)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial Report From: 09/12/2017 17:13:07

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EMSL Order: 091717719
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.09 LAUNCH RAMP (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/10/2017 3:00 PM
Analysis Date: 09/12/2017
Collected Date: 09/09/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0909-OFD-LRP-01	WP009A AM LAUNCH RAMP PARKING	1941.30	0.2080	5	None Detected			0.0010	**<4.80**	**<0.0010**
091717719-0001										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0909-OFD-LRP-02	WP010 AM LAUNCH RAMP TURNAROUND	1948.50	0.2080	3	None Detected			0.0010	**<4.80**	**<0.0010**
091717719-0002										
0909-OFD-LRP-03	WP009A PM LAUNCH RAMP PARKING	1960.10	0.2080	1	None Detected			0.0009	**<4.80**	**<0.0009**
091717719-0003										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0909-OFD-LRP-04	WP010A PM LAUNCH RAMP TURNAROUND	1940.40	0.2080	1	None Detected			0.0010	**<4.80**	**<0.0010**
091717719-0004										
0909-OFD-LRP-FB1	FIELD BLANK 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
091717719-0005										
0909-OFD-LRP-FB2	FIELD BLANK 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
091717719-0006										

Analyst(s)
Aaron Hartley (6)

Matthew Batongbacal
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial Report From: 09/12/2017 17:10:12

EMSL Analytical, Inc.

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http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 161717278
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: Oroville EM OP - 2017.09.10 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:15 AM
Analysis Date: 09/25/2017
Collected Date: 09/10/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0910-OFD-PMT-01	WP246 AM Intake Yard	1934.10	0.2020	4	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
0910-OFD-PMT-02	WP247 AM Upper Overlook Entry	1939.50	0.2020	2	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
0910-OFD-PMT-03	WP248 AM Upper Overlook	1918.90	0.2020	1	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0003										
0910-OFD-PMT-04	WP249 AM Canyon Drive	1935.90	0.2020	1	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0004										
0910-OFD-PMT-05	WP246 PM Intake Yard	1951.20	0.2020	1	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0005										
0910-OFD-PMT-06	WP247 PM Upper Overlook Entry	1938.60	0.2020	4	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
0910-OFD-PMT-07	WP248 PM Upper Overlook	1946.70	0.2020	5	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0007										
Non-asbestos structures includes a contributions from non-regulated amphiboles.										
0910-OFD-PMT-08	WP249 PM Canyon Drive	1935.90	0.2020	1	None Detected			0.0010	**<5.00**	**<0.0010**
161717278-0008										
Non-asbestos structures includes a contribtuion from non-regulated amphiboles.										
0910-OFD-PMT-FB1	Field Blank 1	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
161717278-0009										
0910-OFD-PMT-FB2	Field Blank 2	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
161717278-0010										

Initial report from: 09/25/2017 11:17:51

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EMSL Order: 161717278
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
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Oroville, CA 95965
Project: Oroville EM OP - 2017.09.10 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:15 AM
Analysis Date: 09/25/2017
Collected Date: 09/10/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Craig Nixon (6)
Melissa Newkirk (4)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, CO AL-15132, TX 300262

Initial report from: 09/25/2017 11:17:51

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EMSL Order: 141704849
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
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1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.10 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:05 AM
Analysis Date: 09/13/2017 - 09/15/2017
Collected Date: 09/10/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0910-0FD-TPT-01	WP278 AM N. Diversion Dam	1864.20	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0001										
0910-0FD-TPT-02	WP251 AM Diversion Dam Yard	1859.90	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0002										
0910-0FD-TPT-03	WP279 AM SE Diversion Dam	1864.20	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0003										
0910-0FD-TPT-04	WP277 AM SW Diversion Dam	1873.80	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0004										
0910-0FD-TPT-05	WP019A AM E. Diversion Dam	1846.00	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0005										
0910-0FD-TPT-06	WP020A AM SE Canal	1858.30	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0006										
0910-0FD-TPT-07	WP021A AM SW Canal	1845.30	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0007										
0910-0FD-TPT-08	WP281 AM Cherokee Rd.	1842.80	0.2140	0	None Detected			0.0010	**<4.70**	**<0.0010**
141704849-0008										
0910-0FD-TPT-09	WP278 PM N. Diversion Dam	2122.20	0.1880	0	None Detected			0.0010	**<5.30**	**<0.0010**
141704849-0009										
0910-0FD-TPT-10	WP251 PM Diversion Dam Yard	2116.80	0.1880	2	None Detected			0.0010	**<5.30**	**<0.0010**
141704849-0010										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0910-0FD-TPT-11	WP279 PM SE Diversion Dam	2114.10	0.1880	0	None Detected			0.0010	**<5.30**	**<0.0010**
141704849-0011										
0910-0FD-TPT-12	WP277 PM SW Diversion Dam	2116.80	0.1880	0	None Detected			0.0010	**<5.30**	**<0.0010**
141704849-0012										
0910-0FD-TPT-13	WP019A PM E Diversion Dam	2132.80	0.1880	0	None Detected			0.0010	**<5.30**	**<0.0010**
141704849-0013										
0910-0FD-TPT-14	WP020A PM SE Canal	2133.00	0.1880	1	None Detected			0.0010	**<5.30**	**<0.0010**
141704849-0014										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0910-0FD-TPT-15	WP021A PM SW Canal	2162.20	0.1880	1	None Detected			0.0009	**<5.30**	**<0.0010**
141704849-0015										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										

Initial report from: 09/14/2017 11:32:48

EMSL Analytical, Inc.

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EMSL Order: 141704849
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.10 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:05 AM
Analysis Date: 09/13/2017 - 09/15/2017
Collected Date: 09/10/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0910-0FD-TPT-16 *141704849-0016*	WP281 PM Cherokee Rd.	2138.40	0.1880	0	None Detected			0.0010	**<5.30**	**<0.0010**
0910-0FD-TPT-FB1 *141704849-0017*	Field Blank 1	0.00	0.1340	0	None Detected			N/A	**<7.50**	**N/A**
0910-0FD-TPT-FB2 *141704849-0018*	Field Blank 2	0.00	0.1340	0	None Detected			N/A	**<7.50**	**N/A**

Analyst(s)
Peter Donato (18)

Rhonda McGee, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Depew, NY NYS ELAP 11606, NVLAP Lab Code 200056-0

Initial report from: 09/14/2017 11:32:48

EMSL Analytical, Inc.

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EMSL Order: 161717287
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.10 BURMA RD. (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:15 AM
Analysis Date: 09/19/2017 - 09/20/2017
Collected Date: 09/10/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0910-OFD-BPT-01	WP017A AM Burma Road	1917.00	0.2020	6	Actinolite	0	1	0.0010	**5.00**	**0.0010**
161717287-0001										
Non-asbestos structures includes a contribution from non-regulated amphiboles.										
0910-OFD-BPT-02	WP017A PM Burma Rd	1960.10	0.2020	10	Actinolite	1	0	0.0010	**5.00**	**0.00097**
161717287-0002										
Non-asbestos structures includes a contribution from non-regulated amphiboles.										
0910-OFD-BPT-FB1	Field Blank 1	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
161717287-0003										
0910-OFD-BPT-FB2	Field Blank 2	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
161717287-0004										

Analyst(s)
Melissa Newkirk (4)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, CO AL-15132, TX 300262

Initial report from: 09/20/2017 15:20:25

EMSL Analytical, Inc.

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EMSL Order: 161717298
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.10 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:15 AM
Analysis Date: 09/25/2017
Collected Date: 09/10/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0910-OFD-LRP-01	WP009A AM Launch Ramp Parking	1898.80	0.2140	4	None Detected			0.0009	**<4.70**	**<0.0010**
161717298-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
0910-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1944.00	0.2020	4	None Detected			0.0010	**<5.00**	**<0.0010**
161717298-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
0910-OFD-LRP-03	WP009A PM Launch Ramp Parking	1946.70	0.2020	1	None Detected			0.0010	**<5.00**	**<0.0010**
161717298-0003										
0910-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1949.40	0.2020	3	None Detected			0.0010	**<5.00**	**<0.0010**
161717298-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles										
0910-OFD-LRP-FB1	Field Blank 1	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
161717298-0005										
0910-OFD-LRP-FB2	Field Blank 2	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
161717298-0006										

Analyst(s)
Craig Nixon (6)

Richard H. Harding

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, CO AL-15132, TX 300262

Initial report from: 09/25/2017 07:23:50

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321721752
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.11 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:45 AM
Analysis Date: 09/19/2017 - 09/21/2017
Collected Date: 09/11/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0911-OFD-PMT-01	WP246 AM Intake Yard	1987.20	0.2050	13	None Detected			0.0009	**<4.90**	**<0.0010**
321721752-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-PMT-02	WP247 AM Upper overlook entry	1948.50	0.2050	12	Actinolite	0	1	0.0010	4.90	0.00096
					Tremolite	0	1		4.90	0.00096
321721752-0002					**Total for all types.....**				**9.80**	**0.0019**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-PMT-03	WP248 AM Upper overlook	1934.10	0.2050	5	None Detected			0.0010	**<4.90**	**<0.0010**
321721752-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-PMT-04	WP249 AM Canyon drive	1944.00	0.2050	17	None Detected			0.0010	**<4.90**	**<0.0010**
321721752-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-PMT-05	WP246 PM Intake Yard	1902.40	0.2050	1	Actinolite	1	0	0.0010	**4.90**	**0.00099**
321721752-0005										
0911-OFD-PMT-06	WP247 PM Upper overlook entry	1955.70	0.2050	5	None Detected			0.0010	**<4.90**	**<0.0010**
321721752-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-PMT-07	WP248 PM Upper overlook	1970.10	0.2050	11	Actinolite	0	2	0.0010	9.80	0.0019
					Chrysotile	1	0		4.90	0.00095
321721752-0007					**Total for all types.....**				**14.70**	**0.0029**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-PMT-08	WP249 AM Canyon drive	1953.90	0.2050	12	Actinolite	2	1	0.0010	**15.00**	**0.0029**
321721752-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-PMT-FB1	Field blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321721752-0009										
0911-OFD-PMT-FB2	Field blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321721752-0010										

Initial report from: 09/20/2017 16:49:09

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	321721752
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	9/13/2017 10:45 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	09/19/2017 - 09/21/2017
	Oroville, CA 95965	**Collected Date:**	09/11/2017
Project:	2017.09.11 Upper Area (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Feng Liang (10)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial report from: 09/20/2017 16:49:09

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331718195
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.11 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 9:30 AM
Analysis Date: 09/18/2017 - 09/20/2017
Collected Date: 09/11/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0911-OFD-TPT-01	WP278 AM N. Diversion Dam	1853.40	0.2090	3	Actinolite	1	0	0.0010	**4.80**	**0.00099**
331718195-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-TPT-02	WP251 AM Diversion Dam Yard	1841.20	0.2210	2	None Detected			0.0009	**<4.50**	**<0.0009**
331718195-0002										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0911-OFD-TPT-03	WP279 AM SE Diversion Dam	1838.50	0.2210	1	None Detected			0.0009	**<4.50**	**<0.0010**
331718195-0003										
0911-OFD-TPT-04	WP277 AM SW Diversion Dam	1842.70	0.2090	0	Actinolite	1	0	0.0010	**4.80**	**0.0010**
331718195-0004										
0911-OFD-TPT-05	WP019A AM E. Diversion Dam	1840.00	0.2210	0	None Detected			0.0009	**<4.50**	**<0.0010**
331718195-0005										
0911-OFD-TPT-06	WP020A AM SE Canal	1831.90	0.2210	1	None Detected			0.0009	**<4.50**	**<0.0010**
331718195-0006										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0911-OFD-TPT-07	WP021A AM SW Canal	1825.20	0.2210	0	None Detected			0.0010	**<4.50**	**<0.0010**
331718195-0007										
0911-OFD-TPT-08	WP281 AM Cherokee Rd.	1829.30	0.2210	0	Actinolite	0	1	0.0010	**4.50**	**0.00095**
331718195-0008										
0911-OFD-TPT-09	WP278 PM N. Diversion Dam	1922.00	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
331718195-0009										
0911-OFD-TPT-10	WP251 PM Diversion Dam Yard	1715.30	0.2340	0	None Detected			0.0010	**<4.30**	**<0.0010**
331718195-0010										
0911-OFD-TPT-11	WP279 PM SE Diversion Dam	1931.20	0.2090	1	None Detected			0.0010	**<4.80**	**<0.0010**
331718195-0011										
0911-OFD-TPT-12	WP277 PM SW Diversion Dam	1917.00	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
331718195-0012										
0911-OFD-TPT-13	WP019A PM E Diversion Dam	1913.30	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
331718195-0013										
0911-OFD-TPT-14	WP020A PM SE Canal	1936.60	0.2090	1	None Detected			0.0010	**<4.80**	**<0.0010**
331718195-0014										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0911-OFD-TPT-15	WP021A PM SW Canal	1948.10	0.2090	0	None Detected			0.0009	**<4.80**	**<0.0010**
331718195-0015										

Initial Report From: 09/21/2017 12:40:48

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331718195
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.11 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 9:30 AM
Analysis Date: 09/18/2017 - 09/20/2017
Collected Date: 09/11/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0911-OFD-TPT-16 *331718195-0016*	WP281 PM Cherokee Rd.	1956.40	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
0911-OFD-TPT-FB1 *331718195-0017*	Field Blank 1	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
0911-OFD-TPT-FB2 *331718195-0018*	Field Blank 2	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**

Analyst(s)
Jeffrey Deboo (13)
Larry Kolk (5)

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: 09/21/2017 12:40:48

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321721751
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: Oroville EM OP - 2017.09.11 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:45 AM
Analysis Date: 09/14/2017
Collected Date: 09/11/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0911-OFD-BPT-01	WP017A AM Burma Road	1917.00	0.2050	20	Actinolite	2	0	0.0010	**9.80**	**0.0020**
321721751-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-BPT-02	WP017A PM Burma Road	1980.20	0.0000	0	Overloaded					
321721751-0002										
Particulate loading greater than 10%.										
0911-OFD-BPT-FB1	Field blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321721751-0003										
0911-OFD-BPT-FB2	Field blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321721751-0004										

Analyst(s)
Feng Liang (3)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial Report From: 09/15/2017 07:33:11

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321721755
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.11 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/13/2017 10:45 AM
Analysis Date: 09/15/2017 - 09/19/2017
Collected Date: 09/11/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0911-OFD-LRP-01	WP009A AM Launch ramp parking	1659.70	0.2430	17	None Detected			0.0010	**<4.10**	**<0.0010**
321721755-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-LRP-02	WP010A AM Launch ramp turnaround	1976.40	0.2050	27	Actinolite	0	1	0.0010	**4.90**	**0.00095**
321721755-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-LRP-03	WP009A PM Launch ramp parking	1924.70	0.2050	14	Actinolite	1	2	0.0010	**15.00**	**0.0029**
321721755-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-LRP-04	WP010A PM Launch ramp turnaround	1924.10	0.2050	19	None Detected			0.0010	**<4.90**	**<0.0010**
321721755-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0911-OFD-LRP-FB1	Field blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321721755-0005										
0911-OFD-LRP-FB2	Field blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321721755-0006										

Analyst(s)
Feng Liang (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial report from: 09/19/2017 15:53:28

EMSL Analytical, Inc.

161 John Roberts Road South Portland, ME 04106

Tel/Fax: (207) 517-6921 / (207) 517-6922

http://www.EMSL.com / portlandlab@emsl.com

EMSL Order: 621701532
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 09.12 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/14/2017 10:30 AM
Analysis Date: 09/22/2017 - 09/25/2017
Collected Date: 09/12/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0912-OFD-PMT-01	WP246 AM Intake Yard	1941.30	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0009**
621701532-0001										
0912-OFD-PMT-02	WP247 AM Upper Overlook Entry	1941.30	0.2110	1	None Detected			0.0009	**<4.70**	**<0.0009**
621701532-0002										
0912-OFD-PMT-03	WP248 AM Upper Overlook	1928.70	0.2110	0	None Detected			0.0009	**<4.70**	**<0.0010**
621701532-0003										
0912-OFD-PMT-04	WP249 AM Canyon Drive	1930.50	0.2110	1	None Detected			0.0009	**<4.70**	**<0.0009**
621701532-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-PMT-05	WP246 PM Intake Yard	1968.30	0.1980	1	None Detected			0.0010	**<5.10**	**<0.0010**
621701532-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-PMT-06	WP247 PM Upper Overlook Entry	1989.20	0.1980	2	None Detected			0.0010	**<5.10**	**<0.0010**
621701532-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-PMT-07	WP248 PM Upper Overlook	1987.40	0.1980	1	None Detected			0.0010	**<5.10**	**<0.0010**
621701532-0007										
0912-OFD-PMT-08	WP249 PM Canyon Drive	1966.60	0.1980	2	None Detected			0.0010	**<5.10**	**<0.0010**
621701532-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-PMT-FB1	Field Blank 1	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
621701532-0009										
0912-OFD-PMT-FB2	Field Blank 2	0.00	0.1320	0	None Detected			N/A	**<7.60**	**N/A**
621701532-0010										

Initial Report From: 09/25/2017 16:12:33

EMSL Analytical, Inc.
161 John Roberts Road South Portland, ME 04106
Tel/Fax: (207) 517-6921 / (207) 517-6922
http://www.EMSL.com / portlandlab@emsl.com

EMSL Order:	621701532
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	9/14/2017 10:30 AM
		Analysis Date:	09/22/2017 - 09/25/2017
		Collected Date:	09/12/2017
Project:	09.12 Upper Area (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Christina Lentz (10)

Christina Lentz, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. South Portland, ME

Initial Report From: 09/25/2017 16:12:33

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order: 241703946
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.12 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/15/2017 10:20 AM
Analysis Date: 09/18/2017 - 09/20/2017
Collected Date: 09/12/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0912-OFD-TPT-01	WP278 AM N. Diversion Dam	1876.50	0.2100	7	None Detected			0.0010	**<4.80**	**<0.0010**
241703946-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-02	WP251 AM Diversion Dam Yard	1874.90	0.2100	8	None Detected			0.0010	**<4.80**	**<0.0010**
241703946-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-03	WP 279 AM SE Diversion Dam	1876.50	0.2100	4	Actinolite	1	1	0.0010	**9.50**	**0.0020**
241703946-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-04	WP 277 AM SW Diversion Dam	1886.20	0.2100	5	None Detected			0.0010	**<4.80**	**<0.0010**
241703946-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-05	WP019A AM E. Diversion Dam	1862.60	0.2100	5	None Detected			0.0010	**<4.80**	**<0.0010**
241703946-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-06	WP020A AM SE Canal	1857.20	0.2100	1	None Detected			0.0010	**<4.80**	**<0.0010**
241703946-0006										
0912-OFD-TPT-07	WP021A AM SW Canal	1873.80	0.2100	2	Actinolite	0	1	0.0010	**4.80**	**0.00098**
241703946-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-08	WP281 AM. Cherokee Rd.	1875.30	0.2100	5	Actinolite	2	2	0.0010	**19.00**	**0.0039**
241703946-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-09	WP278 PM N. Diversion Dam	2006.10	0.1970	6	None Detected			0.0010	**<5.10**	**<0.0010**
241703946-0009										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-10	WP019A PM E Diversion Dam	2039.30	0.1970	4	Actinolite	1	2	0.0010	**15.00**	**0.0029**
241703946-0010										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-11	WP020A PM SE Canal	2051.50	0.1970	8	Actinolite	3	1	0.0010	**20.00**	**0.0038**
241703946-0011										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-12	WP021A PM SE Canal	2046.80	0.1970	5	None Detected			0.0010	**<5.10**	**<0.0010**
241703946-0012										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										

Initial report from: 09/20/2017 16:04:20

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order:	241703946
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	9/15/2017 10:20 AM
		Analysis Date:	09/18/2017 - 09/20/2017
		Collected Date:	09/12/2017
Project:	2017.09.12 Diversion Dam (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0912-OFD-TPT-13	WP281 PM Cherokee Rd.	2029.80	0.1970	7	None Detected			0.0010	**<5.10**	**<0.0010**
241703946-0013										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0912-OFD-TPT-FB1	Field Blank 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
241703946-0014										
0912-OFD-TPT-FB2	Field Blank 2	0.00	0.1310	1	None Detected			N/A	**<7.60**	**N/A**
241703946-0015										

Analyst(s)

Almedina Hodzic (15)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0, CT PH-0322, MA AA000191, RI AAL-108T3, VT AL357101

Initial report from: 09/20/2017 16:06:20

EMSL Analytical, Inc.

3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134
Tel/Fax: (206) 269-6310 / (206) 900-8789
http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511702485
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.12 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/14/2017 9:10 AM
Analysis Date: 09/22/2017
Collected Date:

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0912-OFD-BPT-01	WP017A AM Burma Road	1984.50	0.1950	8	None Detected			0.0010	**<5.10**	**<0.0010**
511702485-0001										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0912-OFD-BPT-02	WP017A PM Burma Road 01	1954.80	0.2080	5	None Detected			0.0009	**<4.80**	**<0.0010**
511702485-0002										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0912-OFD-BPT-03	WP036A PM Burma Road 02	1959.30	0.2080	5	None Detected			0.0009	**<4.80**	**<0.0010**
511702485-0003										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0912-OFD-BPT-04	WP037A PM Burma Road 03	1970.20	0.2080	8	None Detected			0.0009	**<4.80**	**<0.0009**
511702485-0004										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0912-OFD-BPT-FB1	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
511702485-0005										
0912-OFD-BPT-FB2	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
511702485-0006										

Analyst(s)
Aaron Hartley (6)

Lauren Kerber, 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. 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. Seattle, WA

Initial Report From: 09/22/2017 14:54:14

EMSL Analytical, Inc.

3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134
Tel/Fax: (206) 269-6310 / (206) 900-8789
http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511702486
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.12 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/14/2017 9:10 AM
Analysis Date: 09/22/2017
Collected Date:

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0912-OFD-LRP-01	WP009A AM Launch Ramp Parking	1944.90	0.2000	14	None Detected			0.0010	**<5.00**	**<0.0010**
511702486-0001										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0912-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1952.10	0.2000	9	None Detected			0.0010	**<5.00**	**<0.0010**
511702486-0002										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0912-OFD-LRP-03	WP009A PM Launch Ramp Parking	1966.50	0.2000	1	None Detected			0.0010	**<5.00**	**<0.0010**
511702486-0003										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0912-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1972.00	0.2000	0	None Detected			0.0010	**<5.00**	**<0.0010**
511702486-0004										
0912-OFD-LRP-FB1	Field Blank 1	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**
511702486-0005										
0912-OFD-LRP-FB2	Field Blank 2	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**
511702486-0006										

Analyst(s)
Derrick Young (6)

Lauren Kerber, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Seattle, WA

Initial Report From: 09/25/2017 09:01:11

EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854

Tel/Fax: (732) 981-0550 / (732) 981-0551

http://www.EMSL.com / piscatawaylab@emsl.com

EMSL Order: 051704392
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.13 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/15/2017 9:50 AM
Analysis Date: 09/15/2017 - 09/18/2017
Collected Date: 09/13/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0913-OFD-PMT-01	WP246 AM Intake Yard	1433.70	0.2730	3	None Detected			0.0010	**<3.70**	**<0.0010**
051704392-0001										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0913-OFD-PMT-02	WP247 AM Upper Overlook Entry	1926.80	0.2110	5	Actinolite	2	0	0.0009	**9.50**	**0.0019**
051704392-0002										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0913-OFD-PMT-03	WP248 AM Upper Overlook	1919.70	0.2110	13	None Detected			0.0010	**<4.70**	**<0.0010**
051704392-0003										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0913-OFD-PMT-04	WP249 AM Canyon Drive	1933.20	0.2110	8	None Detected			0.0009	**<4.70**	**<0.0010**
051704392-0004										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0913-OFD-PMT-05	WP246 PM Intake Yard	1914.30	0.2110	11	None Detected			0.0010	**<4.70**	**<0.0010**
051704392-0005										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0913-OFD-PMT-06	WP247 PM Upper Overlook Entry	1964.80	0.1980	6	Actinolite	1	1	0.0010	**10.00**	**0.0020**
051704392-0006										
Non-asbestos structures reported above include a contrbution from non-regulated amphiboles.										
0913-OFD-PMT-07	WP248 PM Upper Overlook	1962.00	0.1980	8	Actinolite	0	1	0.0010	**5.00**	**0.00099**
051704392-0007										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0913-OFD-PMT-08	WP249 PM Canyon Drive	1401.10	0.2850	5	Actinolite	1	0	0.0010	**3.50**	**0.00096**
051704392-0008										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0913-OFD-PMT-FB1	Field Blank 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
051704392-0009										
0913-OFD-PMT-FB2	Field Blank 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
051704392-0010										

Initial report from: 09/19/2017 08:45:14

EMSL Analytical, Inc.
1056 Stelton Road Piscataway, NJ 08854
Tel/Fax: (732) 981-0550 / (732) 981-0551
http://www.EMSL.com / piscatawaylab@emsl.com

EMSL Order: 051704392
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.13 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/15/2017 9:50 AM
Analysis Date: 09/15/2017 - 09/18/2017
Collected Date: 09/13/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Susan Pollack (10)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037, Philadelphia 289

Initial report from: 09/19/2017 08:45:14

EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411707095
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.13 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/15/2017 9:45 AM
Analysis Date: 09/15/2017
Collected Date: 09/13/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0913-OFD-TPT-01	WP278 AM N. Diversion Dam	1849.20	0.2210	3	None Detected			0.0009	**<4.50**	**<0.0009**
411707095-0001										
0913-OFD-TPT-02	WP019A AM E. Diversion Dam	1848.00	0.2210	0	None Detected			0.0009	**<4.50**	**<0.0009**
411707095-0002										
0913-OFD-TPT-03	WP020A AM SE Canal	1843.80	0.2210	1	None Detected			0.0009	**<4.50**	**<0.0010**
411707095-0003										
0913-OFD-TPT-04	WP021A AM SW Canal	1867.20	0.2080	1	None Detected			0.0010	**<4.80**	**<0.0010**
411707095-0004										
0913-OFD-TPT-05	WP281 AM Cherokee Rd.	1864.50	0.2080	1	None Detected			0.0010	**<4.80**	**<0.0010**
411707095-0005										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0913-OFD-TPT-06	WP278 PM N. Diversion Dam	1993.30	0.1950	1	None Detected			0.0010	**<5.10**	**<0.0010**
411707095-0006										
0913-OFD-TPT-07	WP019A PM E. Diversion Dam	1963.70	0.2080	0	None Detected			0.0009	**<4.80**	**<0.0009**
411707095-0007										
0913-OFD-TPT-08	WP020A PM SE Canal	1968.30	0.2080	2	None Detected			0.0009	**<4.80**	**<0.0009**
411707095-0008										
0913-OFD-TPT-09	WP021A PM SW Canal	1955.60	0.2080	1	None Detected			0.0009	**<4.80**	**<0.0010**
411707095-0009										
0913-OFD-TPT-10	WP281 PM Cherokee Rd.	1952.90	0.2080	2	None Detected			0.0009	**<4.80**	**<0.0010**
411707095-0010										
0913-OFD-TPT-FB1	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
411707095-0011										
0913-OFD-TPT-FB2	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
411707095-0012										

Initial Report From: 09/15/2017 17:25:05

EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order:	411707095
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	9/15/2017 9:45 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	09/15/2017
	Oroville, CA 95965	**Collected Date:**	09/13/2017
Project:	2017.09.13 Diversion Dam (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Aaron Hartley (12)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial Report From: 09/15/2017 17:25:05

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311700491
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.13 Burma Road (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/15/2017 9:30 AM
Analysis Date: 09/20/2017 - 09/25/2017
Collected Date: 09/13/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0913-OFD-BPT-01	WP017A AM Burma Road 01	2033.10	0.1940	4	None Detected			0.0010	**<5.20**	**<0.0010**
311700491-0001										
0913-OFD-BPT-02	WP036A AM Burma Road 02	1937.60	0.2060	17	Actinolite	0	1	0.0010	**4.80**	**0.00096**
311700491-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0913-OFD-BPT-03	WP037A AM Burma Road 03	1932.30	0.2030	8	Actinolite	1	0	0.0010	**4.90**	**0.00098**
311700491-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0913-OFD-BPT-04	WP017A PM Burma Road 01	1958.30	0.2030	4	None Detected			0.0010	**<4.90**	**<0.0010**
311700491-0004										
0913-OFD-BPT-05	WP036A PM Burma Road 02	1883.00	0.2160	5	None Detected			0.0009	**<4.60**	**<0.0010**
311700491-0005										
0913-OFD-BPT-06	WP037A PM Burma Road 03	1934.10	0.2030	4	None Detected			0.0010	**<4.90**	**<0.0010**
311700491-0006										
0913-OFD-BPT-FB1	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
311700491-0007										
0913-OFD-BPT-FB2	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
311700491-0008										

Analyst(s)
William Bradford (8)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 09/26/2017 09:59:16

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120

Tel/Fax: (702) 931-3532 / (702) 931-3533

http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311700490
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.13 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/15/2017 9:30 AM
Analysis Date: 09/18/2017 - 09/28/2017
Collected Date: 09/13/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0913-OFD-LRP-01	WP009A AM Launch Ramp Parking	1941.30	0.2060	12	Actinolite	0	1	0.0010	**4.80**	**0.00096**
311700490-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0913-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1930.50	0.2030	9	Actinolite	1	1	0.0010	**9.80**	**0.0020**
311700490-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0913-OFD-LRP-03	WP009A PM Launch Ramp Parking	1911.00	0.2060	16	None Detected			0.0010	**<4.80**	**<0.0010**
311700490-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0913-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1977.40	0.2190	7	Actinolite	1	3	0.0009	**18.00**	**0.0036**
311700490-0004										
0913-OFD-LRP-FB1	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
311700490-0005										
0913-OFD-LRP-FB2	Field Blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
311700490-0006										

Analyst(s)
William Bradford (6)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial Report From: 09/29/2017 15:22:26

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321722032
Customer ID: SMGS78B
Customer PO:
Project ID:

Attention: Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965

Project: Oroville EM OP - 2017.09.14 Upper Area

Phone: (661) 699-9375
Fax:
Received Date: 9/16/2017 11:30 AM
Analysis Date: 09/22/2017 - 09/23/2017
Collected Date: 09/14/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0914-OFD-PMT-01	WP246 AM Intake yard	1922.40	0.2050	3	Actinolite	1	0	0.0010	**4.90**	**0.00098**
321722032-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-02	WP247 AM Upper Overlook Entry	1927.80	0.2050	3	Actinolite	1	0	0.0010	**4.90**	**0.00098**
321722032-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-03	WP248 AM Upper Overlook	1930.50	0.2050	5	None Detected			0.0010	**<4.90**	**<0.0010**
321722032-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-04	WP249 AM Canyon Drive	1933.20	0.2050	6	Actinolite	1	0	0.0010	4.90	0.00097
					Chrysotile	1	0		4.90	0.00097
321722032-0004					**Total for all types.....**				**9.80**	**0.0019**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-05	WP246 PM Intake Yard	1973.80	0.2050	9	Actinolite	0	1	0.0010	**4.90**	**0.00095**
321722032-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-06	WP247 PM Upper Overlook Entry	1968.30	0.2050	7	Actinolite	0	1	0.0010	**4.90**	**0.00096**
321722032-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-07	WP248 PM Upper Overlook	1973.80	0.2050	7	Chrysotile	0	1	0.0010	**4.90**	**0.00095**
321722032-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-08	WP249 PM Canyon Drive	1971.10	0.2050	11	Actinolite	2	1	0.0010	**15.00**	**0.0029**
321722032-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0914-OFD-PMT-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722032-0009										
0914-OFD-PMT-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722032-0010										

Initial report from: 09/25/2017 07:50:50

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321722032
Customer ID: SMGS78B
Customer PO:
Project ID:

Attention: Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965

Project: Oroville EM OP - 2017.09.14 Upper Area

Phone: (661) 699-9375
Fax:
Received Date: 9/16/2017 11:30 AM
Analysis Date: 09/22/2017 - 09/23/2017
Collected Date: 09/14/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Feng Liang (10)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial report from: 09/25/2017 07:50:50

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331718475
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.14 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/16/2017 9:00 AM
Analysis Date: 09/20/2017 - 09/21/2017
Collected Date: 09/14/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0914-OFD-TPT-01 *331718475-0001*	WP278 AM N. Diversion Dam	1862.60	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
0914-OFD-TPT-02 *331718475-0002*	WP019A AM E. Diversion Dam	1892.10	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
0914-OFD-TPT-03 *331718475-0003*	WP020A AM SE Canal	1901.80	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
0914-OFD-TPT-04 *331718475-0004*	WP021A AM SW Canal	1918.70	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
0914-OFD-TPT-05 *331718475-0005*	WP281 AM Cherokee Rd.	1932.20	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
0914-OFD-TPT-06 *331718475-0006*	WP278 PM N. Diversion Dam	2025.00	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
0914-OFD-TPT-07 *331718475-0007*	WP019A PM E. Diversion Dam	1993.30	0.1970	0	Actinolite	0	1	0.0010	**5.10**	**0.00098**
0914-OFD-TPT-08 *331718475-0008*	WP020A PM SE Canal	2002.70	0.1970	1	Actinolite	0	1	0.0010	**5.10**	**0.00098**
0914-OFD-TPT-09 *331718475-0009*	WP021A PM SW Canal	2002.70	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
0914-OFD-TPT-10 *331718475-0010*	WP281 PM Cherokee Rd.	1992.60	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
0914-OFD-TPT-FB1 *331718475-0011*	Field Blank 1	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
0914-OFD-TPT-FB2 *331718475-0012*	Field Blank 2	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**

Initial Report From: 09/22/2017 14:40:06

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order:	331718475
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	9/16/2017 9:00 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	09/20/2017 - 09/21/2017
	Oroville, CA 95965	**Collected Date:**	09/14/2017
Project:	2017.09.14 Diversion Dam (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Jeffrey Deboo (4)

Larry Kolk (8)

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: 09/22/2017 14:40:06

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321722031
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: Oroville EM OP - 2017.09.14 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/16/2017 11:30 AM
Analysis Date: 09/25/2017
Collected Date: 09/14/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0914-OFD-BPT-01	WP017A AM Burma Road 01	1848.20	0.2180	3	None Detected			0.0010	**<4.60**	**<0.0010**
321722031-0001										
0914-OFD-BPT-02	WP036A AM Burma Road 02	1891.10	0.2050	1	Actinolite	0	2	0.0010	**9.80**	**0.0020**
321722031-0002										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0914-OFD-BPT-03	WP037A AM Burma Road 03	1891.10	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
321722031-0003										
0914-OFD-BPT-04	WP017A PM Burma Road 01	1959.30	0.2050	3	Actinolite	1	0	0.0010	**4.90**	**0.00096**
321722031-0004										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0914-OFD-BPT-05	WP036A PM Burma Road 02	1970.20	0.2050	2	Actinolite	1	0	0.0010	**4.90**	**0.00095**
321722031-0005										
0914-OFD-BPT-06	WP037A PM Burma Road 03	1962.90	0.2050	7	Actinolite	0	1	0.0010	**4.90**	**0.00096**
321722031-0006										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0914-OFD-BPT-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722031-0007										
0914-OFD-BPT-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722031-0008										

Analyst(s)
Kyeong Corbin (8)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial Report From: 09/25/2017 14:28:13

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331718474
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.14 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/16/2017 9:00 AM
Analysis Date: 09/19/2017 - 09/20/2017
Collected Date: 09/14/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0914-OFD-LRP-01	WP009A AM Launch Ramp Parking	1931.40	0.2090	3	None Detected			0.0010	**<4.80**	**<0.0010**
331718474-0001										
0914-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1922.40	0.2090	10	None Detected			0.0010	**<4.80**	**<0.0010**
331718474-0002										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0914-OFD-LRP-03	WP009A PM Launch Ramp Parking	1962.90	0.1970	4	None Detected			0.0010	**<5.10**	**<0.0010**
331718474-0003										
0914-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1979.30	0.1970	2	None Detected			0.0010	**<5.10**	**<0.0010**
331718474-0004										
0914-OFD-LRP-FB1	Field Blank 1	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
331718474-0005										
0914-OFD-LRP-FB2	Field Blank 2	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
331718474-0006										

Analyst(s)
Larry Kolk (6)

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: 09/20/2017 19:27:38

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041727355
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 0217.09.15 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/17/2017 8:15 AM
Analysis Date: 09/20/2017
Collected Date: 09/15/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0915-OFD-PMT-01 *041727355-0001*	WP246 AM Intake Yard	1941.30	0.2060	0	Actinolite	0	1	0.0010	**4.80**	**0.00096**
0915-OFD-PMT-02 *041727355-0002*	WP247 AM Upper Overlook Entry	1930.50	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-PMT-03 *041727355-0003*	WP248 AM Upper Overlook	1933.20	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-PMT-04 *041727355-0004*	WP249 AM Canyon Drive	1940.40	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-PMT-05 *041727355-0005*	WP246 PM Intake Yard	1954.80	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-PMT-06 *041727355-0006*	WP247 PM Upper Overlook Entry	1942.20	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-PMT-07 *041727355-0007*	WP248 PM Upper Overlook	1953.90	0.2060	2	None Detected			0.0010	**<4.80**	**<0.0010**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0915-OFD-PMT-08 *041727355-0008*	WP249 PM Canyon Drive	1952.10	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-PMT-FB1 *041727355-0009*	Field Blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
0915-OFD-PMT-FB2 *041727355-0010*	Field Blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
William Nguyen (10)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/20/2017 12:27:52

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041727354
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.15 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/17/2017 8:15 AM
Analysis Date: 09/18/2017 - 09/20/2017
Collected Date: 09/15/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0915-OFD-TPT-01 *041727354-0001*	WP278 AM N Diversion Dam	1854.90	0.2190	0	None Detected			0.0009	**<4.60**	**<0.0010**
0915-OFD-TPT-02 *041727354-0002*	WP019A AM E Diversion Dam	1883.00	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-TPT-03 *041727354-0003*	WP020A AM SE Canal	1884.00	0.2060	0	Chrysotile	0	1	0.0010	**4.80**	**0.00099**
0915-OFD-TPT-04 *041727354-0004*	WP021A AM SW Canal	1895.40	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-TPT-05 *041727354-0005*	WP281 AM Cherokee Rd	1884.60	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-TPT-06 *041727354-0006*	WP278 PM N Diversion Dam	2025.00	0.1940	0	None Detected			0.0010	**<5.20**	**<0.0010**
0915-OFD-TPT-07 *041727354-0007*	WP019A PM E Diversion Dam	2023.40	0.1940	0	None Detected			0.0010	**<5.20**	**<0.0010**
0915-OFD-TPT-08 *041727354-0008*	WP020A PM SE Canal	1965.60	0.2060	0	None Detected			0.0009	**<4.80**	**<0.0010**
0915-OFD-TPT-09 *041727354-0009*	WP021A PM SW Canal	1955.60	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-TPT-10 *041727354-0010*	WP281 PM Cherokee Rd	1981.80	0.2060	0	None Detected			0.0009	**<4.80**	**<0.0009**
0915-OFD-TPT-FB1 *041727354-0011*	Field Blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
0915-OFD-TPT-FB2 *041727354-0012*	Field Blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Initial Report From: 09/20/2017 13:47:03

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041727354
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.15 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/17/2017 8:15 AM
Analysis Date: 09/18/2017 - 09/20/2017
Collected Date: 09/15/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Matthew Dare (12)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/20/2017 13:47:03

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041727356
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.15 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/17/2017 8:15 AM
Analysis Date: 09/20/2017
Collected Date: 09/15/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0915-OFD-BPT-01 *041727356-0001*	WP017A AM Burma Road 01	1919.70	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-BPT-02 *041727356-0002*	WP036A AM Burma Road 02	1923.30	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-BPT-03 *041727356-0003*	WP037A AM Burma Road 03	1935.90	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-BPT-04 *041727356-0004*	WP017A PM Burma Road 01	1946.70	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-BPT-05 *041727356-0005*	WP036A PM Burma Road 02	1941.30	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-BPT-06 *041727356-0006*	WP037A PM Burma Road 03	1934.10	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
0915-OFD-BPT-FB1 *041727356-0007*	Field Blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
0915-OFD-BPT-FB2 *041727356-0008*	Field Blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**

Analyst(s)
William Nguyen (8)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/20/2017 12:44:30

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041727353
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.15 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/17/2017 8:15 AM
Analysis Date: 09/18/2017 - 09/19/2017
Collected Date: 09/15/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0915-OFD-LRP-01	WP009A AM Launch Ramp Parking	1934.70	0.2060	2	Actinolite	1	0	0.0010	**4.80**	**0.00096**
041727353-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0915-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1930.50	0.2060	0	Actinolite	2	0	0.0010	**9.70**	**0.0019**
041727353-0002										
0915-OFD-LRP-03	WP009A PM Launch Ramp Parking	1951.20	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
041727353-0003										
0915-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1933.20	0.2060	0	None Detected			0.0010	**<4.80**	**<0.0010**
041727353-0004										
0915-OFD-LRP-FB1	Field Blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
041727353-0005										
0915-OFD-LRP-FB2	Field Blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
041727353-0006										

Analyst(s)
Matthew Dare (6)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/19/2017 17:55:02

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321722299
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.16 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 11:25 AM
Analysis Date: 09/25/2017 - 09/26/2017
Collected Date: 09/16/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0916-OFD-PMT-01	WP246 AM Intake Yard	1909.90	0.2050	18	Actinolite	1	0	0.0010	**4.90**	**0.00098**
321722299-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0916-OFD-PMT-02	WP247 AM Upper Overlook Entry	1926.00	0.2050	19	Actinolite	3	0	0.0010	**15.00**	**0.0029**
321722299-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0916-OFD-PMT-03	WP248 AM Upper Overlook	1925.10	0.2050	17	Actinolite	2	0	0.0010	**9.80**	**0.0020**
321722299-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0916-OFD-PMT-04	WP249 AM Canyon Drive	1922.40	0.2050	15	Actinolite	1	3	0.0010	**20.00**	**0.0039**
321722299-0004										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0916-OFD-PMT-05	WP246 PM Intake Yard	1918.70	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
321722299-0005										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0916-OFD-PMT-06	WP247 PM Upper Overlook Entry	1914.30	0.2050	6	Actinolite	0	1	0.0010	**4.90**	**0.00098**
321722299-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0916-OFD-PMT-07	WP248 PM Upper Overlook	1929.50	0.2050	9	None Detected			0.0010	**<4.90**	**<0.0010**
321722299-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0916-OFD-PMT-08	WP249 PM Canyon Drive	1946.50	0.2050	6	None Detected			0.0010	**<4.90**	**<0.0010**
321722299-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0916-OFD-PMT-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722299-0009										
0916-OFD-PMT-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722299-0010										

Initial Report From: 09/27/2017 07:19:04

LA Testing

520 Mission Street South Pasadena, CA 91030

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LA Testing Order:	321722299
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	9/20/2017 11:25 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	09/25/2017 - 09/26/2017
	Oroville, CA 95965	**Collected Date:**	09/16/2017
Project:	2017.09.16 Upper Area (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Feng Liang (8)

Kyeong Corbin (2)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial Report From: 09/27/2017 07:19:04

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331718744
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.16 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 10:10 AM
Analysis Date: 09/22/2017 - 09/26/2017
Collected Date: 09/16/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0916-OFT-TPT-01	WP278 AM N. Diversion Dam	1856.10	0.2090	5	None Detected			0.0010	**<4.80**	**<0.0010**
331718744-0001										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0916-OFT-TPT-02	WP019A AM E. Diversion Dam	1810.40	0.2210	1	None Detected			0.0010	**<4.50**	**<0.0010**
331718744-0002										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0916-OFT-TPT-03	WP020A AM SE Canal	1870.60	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
331718744-0003										
0916-OFT-TPT-04	WP021A AM SW Canal	1884.60	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
331718744-0004										
0916-OFT-TPT-05	WP281 AM Cherokee Rd.	1882.20	0.2090	3	None Detected			0.0010	**<4.80**	**<0.0010**
331718744-0005										
0916-OFT-TPT-06	WP278 PM N Diversion Dam	2011.50	0.2160	1	Actinolite	0	1	0.0009	**4.60**	**0.00089**
331718744-0006										
0916-OFT-TPT-07	WP019A PM E Diversion Dam	2014.20	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
331718744-0007										
0916-OFT-TPT-08	WP020A PM SE Canal	2008.80	0.1970	6	None Detected			0.0010	**<5.10**	**<0.0010**
331718744-0008										
0916-OFT-TPT-09	WP021A PM SW Canal	2008.80	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
331718744-0009										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0916-OFT-TPT-10	WP281 PM Cherokee Rd.	2021.00	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
331718744-0010										
0916-OFT-TPT-FB1	Field blank 1	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
331718744-0011										
0916-OFT-TPT-FB2	Field blank 2	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
331718744-0012										

Initial Report From: 09/28/2017 09:45:00

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order:	331718744
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	9/20/2017 10:10 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	09/22/2017 - 09/26/2017
	Oroville, CA 95965	**Collected Date:**	09/16/2017
Project:	2017.09.16 Diversion Dam (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Jeffrey Deboo (6)

Larry Kolk (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

Initial Report From: 09/28/2017 09:45:00

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321722298
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.16 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 11:25 AM
Analysis Date: 09/27/2017
Collected Date: 09/16/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0916-OFD-BPT-01	WP017A AM Burma Road 01	1908.90	0.2050	7	None Detected			0.0010	**<4.90**	**<0.0010**
321722298-0001										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0916-OFD-BPT-02	WP036A AM Burma Road 02	1894.80	0.2050	3	None Detected			0.0010	**<4.90**	**<0.0010**
321722298-0002										
0916-OFD-BPT-03	WP037A AM Burma Road 03	1884.00	0.2050	5	None Detected			0.0010	**<4.90**	**<0.0010**
321722298-0003										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0916-OFD-BPT-04	WP017A PM Burma Road 01	1979.10	0.2050	2	Actinolite	1	0	0.0010	**4.90**	**0.00095**
321722298-0004										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0916-OFD-BPT-05	WP036A PM Burma Road 02	1989.90	0.2050	5	None Detected			0.0009	**<4.90**	**<0.0010**
321722298-0005										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0916-OFD-BPT-06	WP037A PM Burma Road 03	1996.00	0.2050	11	Actinolite	0	1	0.0009	**4.90**	**0.00094**
321722298-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0916-OFD-BPT-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722298-0007										
0916-OFD-BPT-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722298-0008										

Analyst(s)
Feng Liang (3)
Kyeong Corbin (5)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial report from: 09/27/2017 13:52:05

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331718735
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.16 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 10:10 AM
Analysis Date: 09/22/2017
Collected Date: 09/16/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0916-OFD-LRP-01	WP009A AM Launch Ramp Parking	1927.80	0.2040	3	Actinolite	0	1	0.0010	**4.90**	**0.00098**
331718735-0001										
0916-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1919.70	0.2040	2	None Detected			0.0010	**<4.90**	**<0.0010**
331718735-0002										
0916-OFD-LRP-03	WP009A PM Launch Ramp Parking	1914.30	0.2040	0	None Detected			0.0010	**<4.90**	**<0.0010**
331718735-0003										
0916-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1933.20	0.2040	0	None Detected			0.0010	**<4.90**	**<0.0010**
331718735-0004										
0916-OFD-LRP-FB1	Field blank 1	0.00	0.1200	0	None Detected			N/A	**<8.30**	**N/A**
331718735-0005										
0916-OFD-LRP-FB2	Field blank 2	0.00	0.1200	0	None Detected			N/A	**<8.30**	**N/A**
331718735-0006										

Analyst(s)
Jeffrey Deboo (6)

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: 09/22/2017 14:27:09

EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411707215
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.17 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 11:00 AM
Analysis Date: 09/20/2017 - 09/21/2017
Collected Date: 09/17/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0917-OFD-TPT-01	WP278 AM N. Diversion Dam	1873.80	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
411707215-0001										
0917-OFD-TPT-02	WP019A AM E. Diversion Dam	1880.30	0.2080	1	None Detected			0.0010	**<4.80**	**<0.0010**
411707215-0002										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0917-OFD-TPT-03	WP020A AM SE Canal	1866.30	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
411707215-0003										
0917-OFD-TPT-04	WP021A AM SW Canal	1890.00	0.2080	3	None Detected			0.0010	**<4.80**	**<0.0010**
411707215-0004										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0917-OFD-TPT-05	WP281 AM Cherokee Rd.	1905.10	0.2080	2	None Detected			0.0010	**<4.80**	**<0.0010**
411707215-0005										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0917-OFD-TPT-06	WP278 PM N. Diversion Dam	2006.10	0.1950	2	None Detected			0.0010	**<5.10**	**<0.0010**
411707215-0006										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0917-OFD-TPT-07	WP019A PM E. Diversion Dam	2019.00	0.1950	5	None Detected			0.0010	**<5.10**	**<0.0010**
411707215-0007										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0917-OFD-TPT-08	WP020A PM SE Canal	2014.20	0.1950	3	None Detected			0.0010	**<5.10**	**<0.0010**
411707215-0008										
0917-OFD-TPT-09	WP021A PM SW Canal	2014.20	0.1950	2	None Detected			0.0010	**<5.10**	**<0.0010**
411707215-0009										
0917-OFD-TPT-10	WP281 PM Cherokee Rd.	2004.00	0.1950	1	None Detected			0.0010	**<5.10**	**<0.0010**
411707215-0010										
0917-OFD-TPT-FB1	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
411707215-0011										
0917-OFD-TPT-FB2	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
411707215-0012										

Initial Report From: 09/21/2017 14:19:47

EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411707215
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.17 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 11:00 AM
Analysis Date: 09/20/2017 - 09/21/2017
Collected Date: 09/17/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Aaron Hartley (9)
Derrick Young (3)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial Report From: 09/21/2017 14:19:47

EMSL Analytical, Inc.

376 Crompton Street Charlotte, NC 28273
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 411707216
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.17 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 11:00 AM
Analysis Date: 09/20/2017
Collected Date: 09/17/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0917-OFD-LRP-01	WP009A AM Launch Ramp Parking	1919.70	0.2080	3	None Detected			0.0010	**<4.80**	**<0.0010**
411707216-0001										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0917-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1893.80	0.2080	4	None Detected			0.0010	**<4.80**	**<0.0010**
411707216-0002										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles										
0917-OFD-LRP-03	WP009A PM Launch Ramp Parking	1978.30	0.1950	3	None Detected			0.0010	**<5.10**	**<0.0010**
411707216-0003										
0917-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1986.40	0.1950	2	None Detected			0.0010	**<5.10**	**<0.0010**
411707216-0004										
0917-OFD-LRP-FB1	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
411707216-0005										
0917-OFD-LRP-FB2	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
411707216-0006										

Analyst(s)
Aaron Hartley (6)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial Report From: 09/20/2017 17:59:32

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order: 241704005
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.18 UPPER AREA (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 10:20 AM
Analysis Date: 09/21/2017
Collected Date: 09/18/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0918-OFD-PMT-01	WP246 AM INTAKE YARD	1932.20	0.2100	4	None Detected			0.0010	**<4.80**	**<0.0010**
241704005-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-PMT-02	WP247 AM UPPER OVERLOOK ENTRY	1929.50	0.2100	3	Actinolite	0	2	0.0010	**9.50**	**0.0019**
241704005-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-PMT-03	WP248 AM UPPER OVERLOOK	1925.10	0.2100	2	Actinolite	1	2	0.0010	**14.00**	**0.0029**
241704005-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-PMT-04	WP249 AM CANYON DRIVE	1943.10	0.2100	3	Actinolite	2	2	0.0009	**19.00**	**0.0038**
241704005-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-PMT-05	WP246 PM INTAKE YARD	1935.90	0.2100	1	None Detected			0.0009	**<4.80**	**<0.0010**
241704005-0005										
0918-OFD-PMT-06	WP247 PM UPPER OVERLOOK ENTRY	1953.00	0.2100	2	None Detected			0.0009	**<4.80**	**<0.0009**
241704005-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-PMT-07	WP248 PM UPPER OVERLOOK	1944.00	0.2100	3	None Detected			0.0009	**<4.80**	**<0.0010**
241704005-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-PMT-08	WP249 PM CANYON DRIVE	1965.60	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
241704005-0008										
0918-OFD-PMT-FB1	FIELD BLANK 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
241704005-0009										
0918-OFD-PMT-FB2	FIELD BLANK 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
241704005-0010										

Initial report from: 09/22/2017 08:27:33

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order:	241704005
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	9/20/2017 10:20 AM
		Analysis Date:	09/21/2017
		Collected Date:	09/18/2017
Project:	2017.09.18 UPPER AREA (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Almedina Hodzic (10)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0, CT PH-0322, MA AA000191, RI AAL-108T3, VT AL357101

Initial report from: 09/22/2017 08:27:33

EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

Tel/Fax: (763) 449-4922 / (763) 449-4924

http://www.EMSL.com / minneapolislab@emsl.com

EMSL Order: 351706936
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.18 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 9:20 AM
Analysis Date: 09/25/2017 - 09/27/2017
Collected Date: 09/18/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0918-OFD-TPT-01 *351706936-0001*	WP278 AM N. Diversion Dam	1857.20	0.2140	12	None Detected			0.0010	**<4.70**	**<0.0010**
0918-OFD-TPT-02 *351706936-0002*	WP019A AM E. Diversion Dam	1858.80	0.2140	3	Chrysotile	1	0	0.0010	**4.70**	**0.00097**
0918-OFD-TPT-03 *351706936-0003*	WP020A AM SE Canal	1865.70	0.2140	5	None Detected			0.0010	**<4.70**	**<0.0010**
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0918-OFD-TPT-04 *351706936-0004*	WP021A AM SW Canal	1860.30	0.2140	4	Actinolite	1	0	0.0010	**4.70**	**0.00097**
0918-OFD-TPT-05 *351706936-0005*	WP281 AM Cherokee Rd.	1849.50	0.2140	9	Actinolite	0	1	0.0010	**4.70**	**0.00097**
0918-OFD-TPT-06 *351706936-0006*	WP278 PM N. Diversion Dam	2008.80	0.2020	4	None Detected			0.0010	**<5.00**	**<0.0010**
0918-OFD-TPT-07 *351706936-0007*	WP019A PM E Diversion Dam	2003.40	0.2020	7	None Detected			0.0010	**<5.00**	**<0.0010**
0918-OFD-TPT-08 *351706936-0008*	WP020A PM SE Canal	2000.70	0.2020	2	None Detected			0.0010	**<5.00**	**<0.0010**
0918-OFD-TPT-09 *351706936-0009*	WP021A PM SW Canal	2001.40	0.2020	8	None Detected			0.0010	**<5.00**	**<0.0010**
0918-OFD-TPT-10 *351706936-0010*	WP281 PM Cherokee Rd.	2008.80	0.2020	8	None Detected			0.0010	**<5.00**	**<0.0010**
0918-OFD-TPT-FB1 *351706936-0011*	Field Blank 1	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
0918-OFD-TPT-FB2 *351706936-0012*	Field Blank 2	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**

Initial Report From: 09/28/2017 12:36:23

EMSL Analytical, Inc.
14375 23rd Avenue North Minneapolis, Mn 55447
Tel/Fax: (763) 449-4922 / (763) 449-4924
http://www.EMSL.com / minneapolislab@emsl.com

EMSL Order: 351706936
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.18 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 9:20 AM
Analysis Date: 09/25/2017 - 09/27/2017
Collected Date: 09/18/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Rachel Travis (12)

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 09/28/2017 12:36:23

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 041727613
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.18 Burma Rd. (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 9:15 AM
Analysis Date: 09/20/2017
Collected Date: 09/18/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0918-OFD-BPT-01	WP017A AM Burma Road 01	1902.40	0.2050	2	None Detected			0.0010	**<4.90**	**<0.0010**
041727613-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-BPT-02	WP036A AM Burma Road 02	1888.90	0.2050	2	Actinolite	1	0	0.0010	**4.90**	**0.0010**
041727613-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-BPT-03	WP037A AM Burma Road 03	1879.20	0.2180	2	None Detected			0.0009	**<4.60**	**<0.0009**
041727613-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0918-OFD-BPT-04	WP017A PM Burma Road 01	1924.10	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041727613-0004										
0918-OFD-BPT-05	WP036A PM Burma Road 02	1930.50	0.2050	0	None Detected			0.0010	**<4.90**	**<0.0010**
041727613-0005										
0918-OFD-BPT-06	WP037A PM Burma Road 03	1953.90	0.2050	0	Actinolite	0	1	0.0010	**4.90**	**0.00096**
041727613-0006										
0918-OFD-BPT-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041727613-0007										
0918-OFD-BPT-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
041727613-0008										

Analyst(s)
Matthew Dare (8)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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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: 09/21/2017 13:16:52

EMSL Analytical, Inc.

14375 23rd Avenue North Minneapolis, Mn 55447

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EMSL Order: 351706934
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.18 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/20/2017 9:20 AM
Analysis Date: 09/20/2017 - 09/25/2017
Collected Date: 09/18/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0918-OFD-LRP-01	WP009A AM Launch Ramp Parking	1932.20	0.2020	21	Actinolite	0	1	0.0010	**5.00**	**0.00099**
351706934-0001										
0918-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1919.70	0.2020	22	Actinolite	2	0	0.0010	**9.90**	**0.0020**
351706934-0002										
0918-OFD-LRP-03	WP009A PM Launch Ramp Parking	1941.30	0.2020	21	Actinolite	1	0	0.0010	**5.00**	**0.00098**
351706934-0003										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0918-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1950.20	0.2020	16	None Detected			0.0010	**<5.00**	**<0.0010**
351706934-0004										
0918-OFD-LRP-FB1	Field Blank 1	0.00	0.1260	1	None Detected			N/A	**<7.90**	**N/A**
351706934-0005										
0918-OFD-LRP-FB2	Field Blank 2	0.00	0.1260	0	None Detected			N/A	**<7.90**	**N/A**
351706934-0006										

Analyst(s)
Rachel Travis (6)

Rachel Travis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn NVLAP Lab Code 200019-0

Initial Report From: 09/25/2017 11:50:47

EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854

Tel/Fax: (732) 981-0550 / (732) 981-0551

http://www.EMSL.com / piscatawaylab@emsl.com

EMSL Order: 051704468
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.19 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/21/2017 10:00 AM
Analysis Date: 09/25/2017 - 09/26/2017
Collected Date: 09/19/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0919-OFD-PMT-01	WP246 AM Intake Yard	1938.60	0.2110	0	Actinolite	3	2	0.0009	**24.00**	**0.0047**
051704468-0001										
0919-OFD-PMT-02	WP247 AM Upper Overlook Entry	1946.70	0.1980	26	Actinolite	5	2	0.0010	**35.00**	**0.0070**
051704468-0002										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-PMT-03	WP248AM Upper Overlook	1933.20	0.2110	18	Actinolite	0	2	0.0009	**9.50**	**0.0019**
051704468-0003										
Non-asbestos structures reported above contain a contribution from non-regulated amphiboles.										
0919-OFD-PMT-04	WP249 AM Canyon Drive	1935.90	0.2110	18	Actinolite	3	0	0.0009	**14.00**	**0.0028**
051704468-0004										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-PMT-05	WP246 PM Intake Yard	1965.60	0.1980	4	Actinolite	0	2	0.0010	**10.00**	**0.0020**
051704468-0005										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-PMT-06	WP247 PM Upper Overlook Entry	1928.70	0.2110	3	Actinolite	0	1	0.0009	**4.70**	**0.00095**
051704468-0006										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-PMT-07	WP248 PM Upper Overlook	1946.70	0.1980	1	None Detected			0.0010	**<5.00**	**<0.0010**
051704468-0007										
0919-OFD-PMT-08	WP249 PM Canyon Drive	1961.10	0.1980	4	None Detected			0.0010	**<5.00**	**<0.0010**
051704468-0008										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-PMT-FB1	Field Blank 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
051704468-0009										
0919-OFD-PMT-FB2	Field Blank 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
051704468-0010										

Initial report from: 09/26/2017 21:18:06

EMSL Analytical, Inc.
1056 Stelton Road Piscataway, NJ 08854
Tel/Fax: (732) 981-0550 / (732) 981-0551
http://www.EMSL.com / piscatawaylab@emsl.com

EMSL Order: 051704468
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.19 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/21/2017 10:00 AM
Analysis Date: 09/25/2017 - 09/26/2017
Collected Date: 09/19/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Nicholas Maslowski (3)
Susan Pollack (7)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037, Philadelphia 289

Initial report from: 09/26/2017 21:18:06

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

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http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order: 241704025
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.19 DIVERSION DAM (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/21/2017 10:00 AM
Analysis Date: 09/25/2017 - 09/26/2017
Collected Date: 09/19/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0919-OFD-TPT-01	WP278 AM N. DIVERSION DAM	1868.40	0.2100	3	None Detected			0.0010	**<4.80**	**<0.0010**
241704025-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-TPT-02	WP019A AM E. DIVERSION DAM	1851.90	0.2100	2	None Detected			0.0010	**<4.80**	**<0.0010**
241704025-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-TPT-03	WP020A AM SE CANAL	1851.90	0.2100	2	Actinolite	2	1	0.0010	**14.00**	**0.0030**
241704025-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-TPT-04	WP021A AM SW CANAL	1867.20	0.2100	3	Actinolite	0	1	0.0010	**4.80**	**0.00098**
241704025-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-TPT-05	WP281 AM CHEROKEE RD.	1876.50	0.2100	5	None Detected			0.0010	**<4.80**	**<0.0010**
241704025-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-TPT-06	WP278 PM N. DIVERSION DAM	2031.00	0.1970	6	None Detected			0.0010	**<5.10**	**<0.0010**
241704025-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-TPT-07	WP019A PM E DIVERSION DAM	2004.60	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
241704025-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-TPT-08	WP020A PM SE CANAL	2052.50	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
241704025-0008										
0919-OFD-TPT-09	WP021A PM SW CANAL	2055.20	0.1970	2	None Detected			0.0010	**<5.10**	**<0.0010**
241704025-0009										
0919-OFD-TPT-10	WP281 PM CHEROKEE RD.	2031.40	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
241704025-0010										
0919-OFD-TPT-FB1	FIELD BLANK 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
241704025-0011										
0919-OFD-TPT-FB2	FIELD BLANK 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
241704025-0012										

Initial report from: 09/26/2017 11:15:46

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

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http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order:	241704025
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	9/21/2017 10:00 AM
		Analysis Date:	09/25/2017 - 09/26/2017
		Collected Date:	09/19/2017
Project:	2017.09.19 DIVERSION DAM (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Almedina Hodzic (12)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0, CT PH-0322, MA AA000191, RI AAL-108T3, VT AL357101

Initial report from: 09/26/2017 11:15:46

EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854
Tel/Fax: (732) 981-0550 / (732) 981-0551
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EMSL Order: 051704481
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.19 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/21/2017 10:00 AM
Analysis Date: 09/22/2017 - 09/25/2017
Collected Date: 09/19/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0919-OFD-BPT-01	WP017A AM Burma Road 01	1964.80	0.1980	15	Actinolite	0	1	0.0010	**5.00**	**0.00099**
051704481-0001										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-BPT-02	WP036A AM Burma Road 02	1944.90	0.1980	28	Actinolite	0	1	0.0010	**5.00**	**0.0010**
051704481-0002										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-BPT-03	WP037A AM Burma Road 03	1947.60	0.1980	8	None Detected			0.0010	**<5.00**	**<0.0010**
051704481-0003										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-BPT-04	WP017A PM Burma Road 01	1930.50	0.2110	10	Actinolite	0	1	0.0009	**4.70**	**0.00095**
051704481-0004										
0919-OFD-BPT-05	WP036A PM Burma Road 02	1933.20	0.2110	26	None Detected			0.0009	**<4.70**	**<0.0010**
051704481-0005										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-BPT-06	WP037A PM Burma Road 03	1930.50	0.2110	7	Actinolite	2	0	0.0009	**9.50**	**0.0019**
051704481-0006										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0919-OFD-BPT-FB1	Field Blank 1	0.00	0.1240	1	None Detected			N/A	**<8.10**	**N/A**
051704481-0007										
0919-OFD-BPT-FB2	Field Blank 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
051704481-0008										

Analyst(s)
Nicholas Maslowski (6)
Susan Pollack (2)

Chaiyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037, Philadelphia 289

Initial report from: 09/26/2017 09:39:36

EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492

Tel/Fax: (203) 284-5948 / (203) 284-5978

http://www.EMSL.com / wallingfordlab@emsl.com

EMSL Order:	241704023
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	9/21/2017 10:00 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	09/22/2017
	Oroville, CA 95965	**Collected Date:**	09/19/2017
Project:	2017.09.19 LAUNCH RAMP (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0919-OFD-LRP-01	WP009A AM LAUNCH RAMP PARKING	1923.30	0.2100	12	Actinolite	1	2	0.0010	**14.00**	**0.0029**
241704023-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-LRP-02	WP010A AM LAUNCH RAMP TURNAROUND	1935.90	0.2100	12	None Detected			0.0009	**<4.80**	**<0.0010**
241704023-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0919-OFD-LRP-03	WP009A PM LAUNCH RAMP PARKING	1963.80	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
241704023-0003										
0919-OFD-LRP-04	WP010A PM LAUNCH RAMP TURNAROUND	1952.10	0.2100	2	None Detected			0.0009	**<4.80**	**<0.0009**
241704023-0004										
0919-OFD-LRP-FB1	FIELD BLANK 1	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
241704023-0005										
0919-OFD-LRP-FB2	FIELD BLANK 2	0.00	0.1310	0	None Detected			N/A	**<7.60**	**N/A**
241704023-0006										

Analyst(s)

Almedina Hodzic (6)

Lauren Brennan, Asbestos Lab Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0, CT PH-0322, MA AA000191, RI AAL-108T3, VT AL357101

Initial Report From: 09/22/2017 14:29:10

EMSL Analytical, Inc.

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Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311700510
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.20 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/22/2017 10:00 AM
Analysis Date: 09/29/2017 - 10/03/2017
Collected Date: 09/20/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0920-OFD-PMT-01	WP246 AM Intake Yard	1951.20	0.2060	5	None Detected			0.0010	**<4.80**	**<0.0010**
311700510-0001										
0920-OFD-PMT-02	WP247 AM Upper Overlook Entry	1946.70	0.2060	11	Actinolite	1	1	0.0010	9.70	0.0019
					Tremolite	1	0		4.80	0.00096
311700510-0002					**Total for all types.....**				**14.50**	**0.0029**
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-PMT-03	WP248 AM Upper Overlook	1953.90	0.2060	2	Actinolite	0	1	0.0010	**4.80**	**0.00095**
311700510-0003										
0920-OFD-PMT-04	WP249 AM Canyon Drive	1938.60	0.2060	6	Actinolite	1	0	0.0010	**4.80**	**0.00096**
311700510-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-PMT-05	WP246 PM Intake Yard	1960.20	0.2060	1	None Detected			0.0010	**<4.80**	**<0.0010**
311700510-0005										
0920-OFD-PMT-06	WP247 PM Upper Overlook Entry	1982.00	0.2060	5	Actinolite	3	1	0.0009	**19.00**	**0.0038**
311700510-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-PMT-07	WP248 PM Upper Overlook	1974.70	0.2060	7	None Detected			0.0009	**<4.80**	**<0.0010**
311700510-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-PMT-08	WP249 PM Canyon Drive	1972.00	0.2030	4	Actinolite	2	1	0.0010	**15.00**	**0.0029**
311700510-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-PMT-FB1	Field Blank 1	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
311700510-0009										
0920-OFD-PMT-FB2	Field Blank 2	0.00	0.1270	0	None Detected			N/A	**<7.90**	**N/A**
311700510-0010										

Initial report from: 10/03/2017 13:00:24

EMSL Analytical, Inc.
6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311700510
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.20 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/22/2017 10:00 AM
Analysis Date: 09/29/2017 - 10/03/2017
Collected Date: 09/20/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
William Bradford (10)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial report from: 10/03/2017 13:00:24

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321722504
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.20 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/22/2017 9:25 AM
Analysis Date: 09/27/2017 - 09/28/2017
Collected Date: 09/20/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0920-OFD-TPT-01	WP278 AM N. Diversion dam	1918.70	0.2050	10	Actinolite	0	1	0.0010	**4.90**	**0.00098**
321722504-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-TPT-02	WP019A AM E. Diversion dam	1952.10	0.2050	4	None Detected			0.0010	**<4.90**	**<0.0010**
321722504-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-TPT-03	WP020A AM SE Canal	1924.10	0.2050	5	Actinolite	0	3	0.0010	**15.00**	**0.0029**
321722504-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-TPT-04	WP021A AM SW Canal	1926.80	0.2050	2	None Detected			0.0010	**<4.90**	**<0.0010**
321722504-0004										
0920-OFD-TPT-05	WP281 AM Cherokee Rd	1929.50	0.2050	1	None Detected			0.0010	**<4.90**	**<0.0010**
321722504-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-TPT-06	WP278 PM N. Diversion dam	2054.70	0.1920	0	None Detected			0.0010	**<5.20**	**<0.0010**
321722504-0006										
0920-OFD-TPT-07	WP019A PM E. Diversion dam	2068.20	0.1920	1	None Detected			0.0010	**<5.20**	**<0.0010**
321722504-0007										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0920-OFD-TPT-08	WP020A PM SE Canal	2073.60	0.1920	1	None Detected			0.0010	**<5.20**	**<0.0010**
321722504-0008										
0920-OFD-TPT-09	WP021A PM SW Canal	2068.20	0.1920	1	None Detected			0.0010	**<5.20**	**<0.0010**
321722504-0009										
Non-asbestos structures reported includes a contribution from non-regulated amphiboles.										
0920-OFD-TPT-10	WP281 PM Cherokee Rd	2073.60	0.1920	1	None Detected			0.0010	**<5.20**	**<0.0010**
321722504-0010										
0920-OFD-TPT-FB1	Field blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722504-0011										
0920-OFD-TPT-FB2	Field blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722504-0012										

Initial Report From: 09/28/2017 10:48:50

LA Testing

520 Mission Street South Pasadena, CA 91030

Tel/Fax: (323) 254-9960 / (323) 254-9982

http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order:	321722504
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH	**Phone:**	(661) 699-9375
	Safety Management Systems	**Fax:**	
	1001 Brad Freeman Trail	**Received Date:**	9/22/2017 9:25 AM
	Trailer #2 / Safety Mgmt Systems	**Analysis Date:**	09/27/2017 - 09/28/2017
	Oroville, CA 95965	**Collected Date:**	09/20/2017
Project:	2017.09.20 Diversion Dam (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Feng Liang (7)

Kyeong Corbin (5)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial Report From: 09/28/2017 10:48:50

EMSL Analytical, Inc.

6325 Harrison Dr. Suites 3 and 4 Las Vegas, NV 89120
Tel/Fax: (702) 931-3532 / (702) 931-3533
http://www.EMSL.com / lasvegaslab@EMSL.com

EMSL Order: 311700509
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.20 Burma Road (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/22/2017 10:00 AM
Analysis Date: 09/28/2017 - 09/29/2017
Collected Date: 09/20/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0920-OFD-BPT-01	WP017A AM Burma Road 01	1906.20	0.2060	12	Actinolite	0	1	0.0010	**4.80**	**0.00098**
311700509-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-BPT-02	WP036A AM Burma Road 02	1906.20	0.2060	20	None Detected			0.0010	**<4.80**	**<0.0010**
311700509-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-BPT-03	WP037A AM Burma Road 03	1903.50	0.2060	12	None Detected			0.0010	**<4.80**	**<0.0010**
311700509-0003										
0920-OFD-BPT-04	WP017A PM Burma Road 01	2010.80	0.1940	8	None Detected			0.0010	**<5.20**	**<0.0010**
311700509-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-BPT-05	WP036A PM Burma Road 02	2003.40	0.1940	4	Actinolite	1	0	0.0010	**5.20**	**0.00099**
311700509-0005										
0920-OFD-BPT-06	WP037A PM Burma Road 03	1971.00	0.2060	6	None Detected			0.0009	**<4.80**	**<0.0010**
311700509-0006										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-BPT-FB1	Field Blank 1	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
311700509-0007										
0920-OFD-BPT-FB2	Field Blank 2	0.00	0.1290	0	None Detected			N/A	**<7.80**	**N/A**
311700509-0008										

Analyst(s)
William Bradford (8)

Shannon Ferguson, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Las Vegas, NV

Initial report from: 09/29/2017 14:14:05

LA Testing

520 Mission Street South Pasadena, CA 91030

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http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order: 321722502
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.20 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/22/2017 9:25 AM
Analysis Date: 09/28/2017
Collected Date: 09/20/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0920-OFD-LRP-01	WP009A AM Launch Ramp Parking	1945.80	0.2050	15	Actinolite	0	1	0.0010	**4.90**	**0.00097**
321722502-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1941.30	0.2050	28	Actinolite	0	1	0.0010	**4.90**	**0.00097**
321722502-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-LRP-03	WP009A PM Launch Ramp Parking	1977.40	0.2050	9	Actinolite	1	1	0.0010	**9.80**	**0.0019**
321722502-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1972.00	0.2050	4	Actinolite	1	0	0.0010	**4.90**	**0.00095**
321722502-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0920-OFD-LRP-FB1	Field Blank 1	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722502-0005										
0920-OFD-LRP-FB2	Field Blank 2	0.00	0.1280	0	None Detected			N/A	**<7.80**	**N/A**
321722502-0006										

Analyst(s)
Feng Liang (6)

Jerry Drapala Ph.D, Laboratory Manager
or other approved signatory

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Samples analyzed by LA Testing South Pasadena, CA NVLAP Lab Code 200232-0

Initial report from: 09/28/2017 20:13:10

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331719054
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.21 Upper Area (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/23/2017 9:55 AM
Analysis Date: 09/27/2017 - 09/28/2017
Collected Date: 09/21/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0921-OFD-PMT-01	WP246 AM Intake Yard	1933.20	0.2110	3	Actinolite	0	2	0.0009	**9.50**	**0.0019**
331719054-0001										
0921-OFD-PMT-02	WP247 AM Upper Overlook Entry	1932.20	0.2110	4	Actinolite	4	2	0.0009	**28.00**	**0.0057**
331719054-0002										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0921-OFD-PMT-03	WP248 AM Upper Overlook	1921.40	0.2110	7	Actinolite	2	1	0.0010	**14.00**	**0.0029**
331719054-0003										
Non-asbestos structures reported above include a contribution from non-regulated amphibole.										
0921-OFD-PMT-04	WP249 AM Canyon Drive	1932.20	0.2110	14	None Detected			0.0009	**<4.70**	**<0.0010**
331719054-0004										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0921-OFD-PMT-05	WP246 PM Intake Yd	1949.20	0.1980	0	None Detected			0.0010	**<5.00**	**<0.0010**
331719054-0005										
0921-OFD-PMT-06	WP247 PM Upper Overlook Entry	1957.50	0.1980	3	None Detected			0.0010	**<5.00**	**<0.0010**
331719054-0006										
0921-OFD-PMT-07	WP248 PM Upper Overlook	1968.30	0.1980	6	None Detected			0.0010	**<5.00**	**<0.0010**
331719054-0007										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0921-OFD-PMT-08	Wp249 PM Canyon Drive	1955.60	0.1980	4	None Detected			0.0010	**<5.00**	**<0.0010**
331719054-0008										
Non-asbestos structures reported above include a contribution from non-regulated amphiboles.										
0921-OFD-PMT-FB1	Field Blank 1	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
331719054-0009										
0921-OFD-PMT-FB2	Field Blank 2	0.00	0.1240	0	None Detected			N/A	**<8.10**	**N/A**
331719054-0010										

Initial report from: 09/28/2017 21:54:52

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order:	331719054
Customer ID:	SMGS78B
Customer PO:	
Project ID:	Oroville EM OP

Attention:	Dave Beadle, CIH Safety Management Systems 1001 Brad Freeman Trail Trailer #2 / Safety Mgmt Systems Oroville, CA 95965	**Phone:**	(661) 699-9375
		Fax:	
		Received Date:	9/23/2017 9:55 AM
		Analysis Date:	09/27/2017 - 09/28/2017
		Collected Date:	09/21/2017
Project:	2017.09.21 Upper Area (Oroville EM OP)		

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)

Nicholas Maslowski (4)

Susan Pollack (6)

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 EMSL Analytical, Inc. Piscataway, NJ NYS ELAP 11423, NVLAP Lab Code 101048-2, NJ NELAC 12037, Philadelphia 289

Initial report from: 09/28/2017 21:54:52

EMSL Analytical, Inc.

5950 Fairbanks N. Houston Rd. Houston, TX 77040

Tel/Fax: (713) 686-3635 / (713) 686-3645

http://www.EMSL.com / houstonlab@emsl.com

EMSL Order: 151705994
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017 09.21 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/23/2017 8:45 AM
Analysis Date: 09/29/2017 - 10/03/2017
Collected Date: 09/21/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0921-OFD-TPT-01	WP278 AM N. Diversion Dam	1876.80	0.2090	1	None Detected			0.0010	**<4.80**	**<0.0010**
151705994-0001										
0921-OFD-TPT-02	WP019A AM E. Diversion Dam	1859.10	0.2090	2	None Detected			0.0010	**<4.80**	**<0.0010**
151705994-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-TPT-03	WP020A AM SE Canal	1864.50	0.2090	3	None Detected			0.0010	**<4.80**	**<0.0010**
151705994-0003										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-TPT-04	WP021A AM SW Canal	1871.40	0.2090	3	None Detected			0.0010	**<4.80**	**<0.0010**
151705994-0004										
0921-OFD-TPT-05	WP281 AM Cherokee Rd.	1868.60	0.2090	4	None Detected			0.0010	**<4.80**	**<0.0010**
151705994-0005										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-TPT-06	WP278 PM N. Diversion Dam	1959.30	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
151705994-0006										
0921-OFD-TPT-07	WP019A PM E. Diversion Dam	1964.80	0.1970	2	None Detected			0.0010	**<5.10**	**<0.0010**
151705994-0007										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-TPT-08	WP020A PM SE Canal	1956.60	0.1970	3	None Detected			0.0010	**<5.10**	**<0.0010**
151705994-0008										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-TPT-09	WP021A PM SW Canal	1967.50	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
151705994-0009										
0921-OFD-TPT-10	WP281 PM Cherokee Rd.	1968.30	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
151705994-0010										
0921-OFD-TPT-FB1	Field Blank 1	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
151705994-0011										
0921-OFD-TPT-FB2	Field Blank 2	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
151705994-0012										

Initial report from: 10/03/2017 13:04:42

EMSL Analytical, Inc.
5950 Fairbanks N. Houston Rd. Houston, TX 77040
Tel/Fax: (713) 686-3635 / (713) 686-3645
http://www.EMSL.com / houstonlab@emsl.com

EMSL Order: 151705994
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017 09.21 Diversion Dam (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/23/2017 8:45 AM
Analysis Date: 09/29/2017 - 10/03/2017
Collected Date: 09/21/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)

Analyst(s)
Michelle Leggett (12)

Michelle Leggett, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Houston, TX NVLAP Lab Code 102106-0, AZ 0925, CO AL-15355, LA 04126, TX 300159

Initial report from: 10/03/2017 13:04:42

LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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http://www.LATesting.com / gardengrovelab@latesting.com

LA Testing Order: 331719052
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.21 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/23/2017 9:55 AM
Analysis Date: 09/27/2017
Collected Date: 09/21/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0921-OFD-BPT-01	WP017A AM Burma Road 01	1966.60	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
331719052-0001										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0921-OFD-BPT-02	WP036A AM Burma Road 02	1941.30	0.2090	5	None Detected			0.0009	**<4.80**	**<0.0010**
331719052-0002										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles										
0921-OFD-BPT-03	WP037A AM Burma Road 03	1964.80	0.1970	0	None Detected			0.0010	**<5.10**	**<0.0010**
331719052-0003										
0921-OFD-BPT-04	WP037A AM Burma Road 01	1902.40	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
331719052-0004										
0921-OFD-BPT-05	WP036A PM Burma Road 02	1910.50	0.2090	0	None Detected			0.0010	**<4.80**	**<0.0010**
331719052-0005										
0921-OFD-BPT-06	WP037A PM Burma Road 03	1914.30	0.2080	0	None Detected			0.0010	**<4.80**	**<0.0010**
331719052-0006										
0921-OFD-BPT-FB1	Field Blank 1	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
331719052-0007										
0921-OFD-BPT-FB2	Field Blank 2	0.00	0.1300	0	None Detected			N/A	**<7.70**	**N/A**
331719052-0008										

Analyst(s)
Aaron Hartley (3)
Derrick Young (5)

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 EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial Report From: 09/28/2017 11:05:26

EMSL Analytical, Inc.

5950 Fairbanks N. Houston Rd. Houston, TX 77040

Tel/Fax: (713) 686-3635 / (713) 686-3645

http://www.EMSL.com / houstonlab@emsl.com

EMSL Order: 151705993
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017 09.21 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/23/2017 8:45 AM
Analysis Date: 09/29/2017
Collected Date: 09/21/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0921-OFD-LRP-01	WP009A AM Launch Ramp Parking	1921.40	0.2090	7	None Detected			0.0010	**<4.80**	**<0.0010**
151705993-0001										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1961.10	0.1970	3	Actinolite	1	0	0.0010	**5.10**	**0.0010**
151705993-0002										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-LRP-03	WP009A PM Launch Ramp Parking	1968.30	0.1970	1	None Detected			0.0010	**<5.10**	**<0.0010**
151705993-0003										
0921-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1938.60	0.2090	3	Chrysotile	1	0	0.0010	**4.80**	**0.00095**
151705993-0004										
Non-asbestos structures reported include a contribution from non-regulated amphiboles.										
0921-OFD-LRP-FB1	Field Blank 1	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
151705993-0005										
0921-OFD-LRP-FB2	Field Blank 2	0.00	0.1230	0	None Detected			N/A	**<8.10**	**N/A**
151705993-0006										

Analyst(s)
Michelle Leggett (6)

Michelle Leggett, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Houston, TX NVLAP Lab Code 102106-0, AZ 0925, CO AL-15355, LA 04126, TX 300159

Initial report from: 10/03/2017 12:49:37

EMSL Analytical, Inc.

3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134

Tel/Fax: (206) 269-6310 / (206) 900-8789

http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511702407
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: Burma Rd, 2017.08.29 (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 8/31/2017 9:00 AM
Analysis Date: 09/19/2017 - 09/20/2017
Collected Date: 08/29/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0829-OFD-BPT-01 *511702407-0001*	WP017A AM Burma Road	1966.60	0.2000	6	None Detected			0.0010	**<5.00**	**<0.0010**
0829-OFD-BPT-02 *511702407-0002*	WP017A PM Burma Road	1906.20	0.2130	3	None Detected			0.0010	**<4.70**	**<0.0010**
0829-OFD-BPT-FB1 *511702407-0003*	Field Blank 1	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**
0829-OFD-BPT-FB2 *511702407-0004*	Field Blank 2	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**

Analyst(s)
Lauren Kerber (4)

Lauren Kerber, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Seattle, WA

Initial Report From: 09/20/2017 15:21:24

EMSL Analytical, Inc.

3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134

Tel/Fax: (206) 269-6310 / (206) 900-8789

http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511702488
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.06 Burma Rd (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/ 8/2017 9:10 AM
Analysis Date: 09/21/2017
Collected Date: 09/06/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0906-OFD-BPT-01 *511702488-0001*	WP017A AM Burma Road	1890.00	0.2130	1	None Detected			0.0010	**<4.70**	**<0.0010**
0906-OFD-BPT-02 *511702488-0002*	WP017A PM Burma Road	1937.70	0.2000	3	None Detected			0.0010	**<5.00**	**<0.0010**
0906-OFD-BPT-FB1 *511702488-0003*	Field Blank 1	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**
0906-OFD-BPT-FB2 *511702488-0004*	Field Blank 2	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**

Analyst(s)
Lauren Kerber (4)

Lauren Kerber, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Seattle, WA

Initial Report From: 09/21/2017 15:53:31

EMSL Analytical, Inc.

3317 3rd Ave S, Suite D 2nd floor Seattle, WA 98134

Tel/Fax: (206) 269-6310 / (206) 900-8789

http://www.emsl.com / seattlelab@emsl.com

EMSL Order: 511702487
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
1001 Brad Freeman Trail
Trailer #2 / Safety Mgmt Systems
Oroville, CA 95965
Project: 2017.09.06 Launch Ramp (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 9/ 8/2017 9:25 AM
Analysis Date: 09/20/2017
Collected Date: 09/06/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm²)	Non Asb	Asbestos Types	#Structures ≥0.5µ < 5	#Structures ≥5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)
0906-OFD-LRP-01	WP009A AM Launch Ramp Parking	1922.40	0.2130	9	None Detected			0.0009	**<4.70**	**<0.0009**
511702487-0001										
0906-OFD-LRP-02	WP010A AM Launch Ramp Turnaround	1928.50	0.2000	6	None Detected			0.0010	**<5.00**	**<0.0010**
511702487-0002										
0906-OFD-LRP-03	WP009A PM Launch Ramp Parking	1961.80	0.2000	1	Actinolite	0	1	0.0010	**5.00**	**0.00098**
511702487-0003										
0906-OFD-LRP-04	WP010A PM Launch Ramp Turnaround	1953.00	0.2000	1	None Detected			0.0010	**<5.00**	**<0.0010**
511702487-0004										
0906-OFD-LRP-FB1	Field Blank 1	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**
511702487-0005										
0906-OFD-LRP-FB2	Field Blank 2	0.00	0.1250	0	None Detected			N/A	**<8.00**	**N/A**
511702487-0006										

Analyst(s)
Lauren Kerber (6)

Lauren Kerber, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Seattle, WA

Initial Report From: 09/22/2017 11:23:02