



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: 041711977
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH
Safety Management Systems
460 Glen Drive
Industrial Hygiene 321
Oroville, CA 95966
Project: 2017.04.28 Perimeter Samples (Oroville EM OP)

Phone: (661) 699-9375
Fax:
Received Date: 4/30/2017 9:05 AM
Analysis Date: 05/02/2017 - 05/03/2017
Collected Date: 04/28/2017

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

Sample	Location	Volume (Liters)	Area Analyzed (mm ²)	Non Asb	Asbestos Types	#Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration	
						≥0.5μ < 5	≥5μ		(S/mm ²)	(S/cc)
0428-OFD-PMT-01	WP246 Perimeter - Intake Yard	2138.40	0.1830	2	Actinolite Chrysotile	1 1	1 0	0.0010	11.00 5.50	0.0020 0.00098
041711977-0001						Total for all types.....			16.50	0.0030
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0428-OFD-PMT-02	WP247 Perimeter - Upper Overlook Entry	1989.90	0.1970	6	Actinolite	3	3	0.0010	31.00	0.0059
041711977-0002										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0428-OFD-PMT-03	WP248 Perimeter - Upper Overlook	2094.50	0.1970	2	Actinolite	0	2	0.0009	10.00	0.0019
041711977-0003										
Non-asbestos structures reported above includes a contribution from non-regulated amphiboles.										
0428-OFD-PMT-04	WP249 Perimeter - Canyon Drive	2073.20	0.1970	0	None Detected			0.0009	< 5.10	< 0.0010
041711977-0004										
0428-OFD-PMT-05	WP246 Perimeter - Intake Yard	2043.30	0.1970	0	None Detected			0.0010	< 5.10	< 0.0010
041711977-0005										
0428-OFD-PMT-06	WP247 Perimeter - Upper Overlook Entry	2085.00	0.1970	0	None Detected			0.0009	< 5.10	< 0.0009
041711977-0006										
0428-OFD-PMT-07	WP248 Perimeter - Upper Overlook	2085.00	0.1970	0	None Detected			0.0009	< 5.10	< 0.0009
041711977-0007										
0428-OFD-PMT-08	WP249 Perimeter - Canyon Drive	2085.00	0.1970	0	None Detected			0.0009	< 5.10	< 0.0009
041711977-0008										
0428-OFD-PMT-FB1	Field Blank 1	0.00	0.1310	0	None Detected			N/A	< 7.60	N/A
041711977-0009										
0428-OFD-PMT-FB2	Field Blank 2	0.00	0.1310	0	None Detected			N/A	< 7.60	N/A
041711977-0010										



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: 041711977
Customer ID: SMGS78B
Customer PO:
Project ID: Oroville EM OP

Attention: Dave Beadle, CIH Safety Management Systems 460 Glen Drive Industrial Hygiene 321 Oroville, CA 95966	Phone: (661) 699-9375 Fax: Received Date: 4/30/2017 9:05 AM Analysis Date: 05/02/2017 - 05/03/2017 Collected Date: 04/28/2017
Project: 2017.04.28 Perimeter Samples (Oroville EM OP)	

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

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

Analyst(s)
Peter Harrison (10)



Benjamin Ellis, Laboratory Manager
or other approved signatory

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

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

Initial Report From: 05/03/2017 13:29:45