



Mr. George Bibbins, CIH Port of San Francisco

email: george.bibbins@sfport.com

RE: Limited Asbestos Sampling

Pier 80 Exterior, San Francisco, CA 94124

SCA Project No.: F13806

Dear Mr. Bibbins:

This technical memorandum reports the results of limited bulk asbestos sampling completed at the Pier 80 Exterior in San Francisco, CA 94124. Sampling was completed on March 11, 2024 by Ryan Kau, PE, CAC #23-7427, CDPH of SCA Environmental, Inc. (SCA). The sampling was limited to the Pier 80 exterior docks slated for rehabilitation. The following summarizes our findings:

Asbestos

Bulk samples were collected by SCA staff and analyzed at Asbestos TEM Laboratories, Inc. (ATEM) in Oakland, CA by Polarized Light Microscopy (PLM). These results are summarized below. Note that no asbestos was identified in any material.

Sample ID	Material Description	Asbestos Results
CONC-1-1,2,3	Light gray exterior concrete (-) along the edges of the Pier 80 docks	ND
ASPHALT-2-1,2,3	Gray / black asphalt (-) pavement along the Pier 80 docks	ND

ND=none detected (-) no asbestos detected in layer

If you have any questions or would like more information, please contact us.

Ryan Kau, PE, CAC, CDPH

Project Manager rkau@sca-enviro.com

(415) 272-7756

Attachments:

- 1. Sample Location Diagram 1 page
- 2. Asbestos Laboratory Report 2 pages



POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

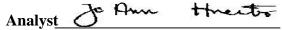
EPA Method 600/R-93/116 or 600/M4-82-020

Report No. 390697 6 Samples Indicated: Contact: Christina Codemo/Dan Version No. 1 6 Reg. Samples Analyzed: 4 Date Submitted: Mar-11-24 Address: SCA Environmental, Inc. Split Layers Analyzed: Date Reported: Mar-11-24 320 Justin Drive Job Site / No. POSF Pier 80 Exterior San Francisco, CA 94112

San Francisco, CA 9	94112	F13806-CC/DL	
SAMPLE ID	ASBESTOS % TYPE None Detected	OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed	DESCRIPTION FIELD LAB
CONC-1-1		1)None Detected 2)99-100% Qtz, Calc, Opq	
Lab ID # 532-10126-001A	Homogeneity*:	3) Mar-11-24 4) Mar-11-	24 Concrete-Grey
CONC-1-1	None Detected	1) None Detected 2) 99-100% Opq, Tar	
Lab ID # 532-10126-001B	Homogeneity*:	3) 4) Mar-11-	Asphalt/Tar-Black
CONC-1-2	None Detected	1) None Detected 2) 99-100% Qtz, Calc	
Lab ID # 532-10126-002	Homogeneity*:	3) Mar-11-24 4) Mar-11-	Concrete-Grey
CONC-1-3	None Detected	1) None Detected 2) 99-100% Qtz, Calc	
Lab ID # 532-10126-003	Homogeneity*:	3) Mar-11-24 4) Mar-11-	24 Concrete-Grey
ASPHALT-2-1	None Detected	1)None Detected 2)99-100% Calc, Qtz, Opq, Tar	
Lab ID # 532-10126-004A	Homogeneity*:	3) Mar-11-24 4) Mar-11-	Asphalt-Black
ASPHALT-2-1	None Detected	1) None Detected 2) 99-100% Tar, OPq	
Lab ID # 532-10126-004B	Homogeneity*:	3) 4) Mar-11-	Tar-Black
ASPHALT-2-2	None Detected	1)None Detected 2)99-100% Calc, Qtz, Opq, Tar	
Lab ID # 532-10126-005A	Homogeneity*:	3) Mar-11-24 4) Mar-11-	Asphalt-Black
ASPHALT-2-2	None Detected	1) None Detected 2) 99-100% Tar, OPq	
Lab ID # 532-10126-005B	Homogeneity*:	3) 4) Mar-11-	Tar-Black
ASPHALT-2-3	None Detected	1) None Detected 2) 99-100% Calc, Qtz, Opq, Tar	
Lab ID # 532-10126-006A	Homogeneity*:	3) Mar-11-24 4) Mar-11-	24 Asphalt-Black
ASPHALT-2-3	None Detected	1) None Detected 2) 99-100% Tar, OPq	
Lab ID # 532-10126-006B	Homogeneity*:	3) 4) Mar-11-	Tar-Black

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique.

^{* -} Samples with a Lab ID# ending in a letter are inhomogeneous exhibiting multiple layers, with each layer analyzed separately and labeled (e.g. A,B,C..).



Page: <u>1</u>

of <u>1</u>

	CHAIN OF CUSTODY FORM				Email report/COC/Invoice to:		
l					ccodemo@sca-enviro.com	(PROJ MGR)	
	SCA Environme	ental			dleung@sca-enviro.com	(PROJ MGR)	
EMAIL HEADING:	West 10 20 1		ne/Address) - (Date MMDD			(PROJ MGR)	
EMAIL HEADING:	(Project #) - F13806	(Project Manager Initials) - (Site Nan	POSF Pier 80 Exterior	3/11/24	rkau@sca-enviro.com	(FIELD REP)	
LAB	ATEM				labreports99@gmail.com	(ACCT)	
COURIER	Special T				415-272-7756	FIELD REP	
LAB REP NOTIFIED:		Notification DATE/TIME:				CELL # FOR	
COURIER (UPS, SPC T,		LAST 5 OF TRACKING NUMBER:				QUESTIONS	
EST ARRIVAL DATE:		EST. ARRIVAL TIME:			INSTRUCTIONS TO LAB:		
Method Reference	PLM						
Sample Media	Bulk		-				
TURNAROUND TIME:	RUSH TA	T					
CHAIN OF CUSTODY DATA	۸:				Supplies /Equipment	Qty	
Sending Info	6 Samples su	bmitted by RK on 3/11	2/11 1200	-	Hi-Vol Pumps (3040)		
Received by Lab:	sam	ples received byon	711 at 1005		Lo-Vol Pumps (3020)		
Received by Analyst:	sam	ples received by on	at		TEM / Pb cassettes (3520)		
SAMPLE ID	LITERS	Description	Ins/Blanks/Outs		PCM cassettes (3500)		
CONC-1-1,2,3					Bulk sampling supply (3710)	6	
ASPHALT-2-1,2,3					Lead Wipes (3266)		
					Legionella Bottles (3742)		
					Water Bottles (Pb/other) (3743)		
					Mold Cassettes (3522)		
					Smoke Tubes (3540)		
					Matched Weight Cassette (3521)		
						1	
	0 LITERS		BLANK				
	0 LITERS		BLANK		Į.		
	0 LITERS	icable AND circle items applicable):	BLANK				
5. If all samples are <0.01 f/c 6. Analyze inside samples 7. Analyze all samples, inclu 8. Do NOT analyze outside o 9. Analyze by TEM only the 10. Serial analysis; stop at 11. Analyze all bulk samples.	only. by PCM first; i c, proceed with i only, stop if Avg ling outside sam r blank samples. inside air sample first positive (> unless otherwise	f any sample >0.01 f/cc, contact projetems 6, 7 or 8, as noted. 3 >70 str/mm^2, contact PM before anaples and blanks. with the highest PCM result. 1%); first trace (<0.1%), except sheetro	llyzing outsides or blanks.				
		-					