



PAH ANALYSIS SUMMARY REPORT

For: City of Austin, TX
 Date: March 7, 2022
 Sitelab Project No. 2202221



Results summarized in this table are from Pace Contest Lab Report 22B1349, dated March 7, 2022. All samples were analyzed by U.S. EPA Method 8270E using Method 3546 by microwave extraction. No PAHs were detected in the sample, all results were Non-Detect (<13 ppm Reporting Limit). This sealcoat product qualifies for City of Austin's 1,000 ppm PAH Limit. Surrogate and spike recoveries highlighted in yellow are within the lab's CAM-IIB limits, but are below DOEE's tighter acceptance limits. In this case, the values are above DOEE's 50% minimum, which are fine since the Blank, LCS, LCSD recoveries were within DOEE's tighter limits. The lower surrogate and matrix spike recoveries are normal and are due to matrix interference in the sealcoat. Sitelab's UVF-Trilogy analyzer used for PAH screening detected 4,800 ppm, which is within range compared to other asphalt-based sealcoats (2,500 to 5,000 ppm). UVF-Trilogy always detects elevated PAHs caused by the asphalt extracted in methanol solvent. No odor was observed in the sample.

Steve Greason, Sitelab Corporation

PAH RESULTS FOR MICRO-PAVE ASPHALT-BASED SEALCOAT					QUALITY CONTROL TESTS		
17 PAH COMPOUNDS Results in ppm (mg/Kg), in dry weight using %Solids by Method 2540G	ID: 22B1349-01				SOLVENT ONLY	SOLVENT + SPIKE	SOLVENT + SPIKE
	STAR MICRO-PAVE (mg/Kg)	%PAH Content	MATRIX SPIKE (mg/Kg)	MATRIX SPIKE DUP (mg/Kg)	METHOD BLANK (mg/Kg wet)	LCS (mg/Kg wet)	LCS DUPLICATE (mg/Kg wet)
Naphthalene	ND <13	0%	79	77	<5.1	40.1	39.7
2-Methylnaphthalene	ND <13	0%	84	81	<5.1	44.4	43.3
Acenaphthylene	ND <13	0%	75	74	<5.1	43.2	41.9
Acenaphthene	ND <13	0%	67	65	<5.1	38.5	36.9
Fluorene	ND <13	0%	75	74	<5.1	44.1	42.3
Phenanthrene	ND <13	0%	74	73	<5.1	42.6	41.0
Anthracene	ND <13	0%	73	72	<5.1	42.8	41.2
Fluoranthene	ND <13	0%	67	64	<5.1	45.6	44.0
Pyrene	ND <13	0%	88	84	<5.1	45.4	43.2
Benzo[a]Anthracene	ND <13	0%	74	72	<5.1	43.6	41.9
Chrysene	ND <13	0%	72	69	<5.1	41.9	40.7
Benzo[b]Fluoranthene	ND <13	0%	73	70	<5.1	43.0	41.2
Benzo[k]Fluoranthene	ND <13	0%	79	75	<5.1	44.6	42.9
Benzo[a]Pyrene	ND <13	0%	76	72	<5.1	45.8	44.0
Indeno[1,2,3-cd]Pyrene	ND <13	0%	53	51	<5.1	44.2	41.5
Dibenz[a,h]Anthracene	ND <13	0%	63	62	<5.1	44.0	42.6
Benzo[g,h,i]Perylene	ND <13	0%	55	48	<5.1	42.6	40.4
TOTAL PAHS =	0		1,226	1,183	0	736	709
%SOLIDS CONTENT =	40.1%						
SPIKE CONCENTRATION =			2,125	2,125		850	850
SPIKE %RECOVERY =			58%	56%		87%	83%
LAB'S %RECOVERY LIMITS			40% - 140%	40% - 140%		40% - 140%	40% - 140%
DOEE %RECOVERY LIMITS			60% - 140%	60% - 140%		60% - 140%	60% - 140%
SURROGATES %RECOVERY							
Nitrobenzene-d5	64%		66%	63%	87%	86%	84%
2-Fluorobiphenyl	61%		63%	63%	83%	86%	83%
p-Terphenyl-d14	72%		69%	66%	83%	87%	82%
LAB'S %RECOVERY LIMITS	30% - 130%		30% - 130%	30% - 130%	30% - 130%	30% - 130%	30% - 130%
DOEE %RECOVERY LIMITS	70% - 130%		70% - 130%	70% - 130%	70% - 130%	70% - 130%	70% - 130%