

Sherri Jones

psi	Information			Α	IRBORNE	FIBER C	ONCENTRA	TION REP	ORT OF A	NALYSI	S				
	onsulting • Testing									Pa	ge 1 of 1				
Client Inf	ormation														
Name:	Jackson Cour	nty Public W	orks/Piper V	Vind Archite	ect										
	303 West Wa	•													
	Independence		State:	МО	Zip Code:	64050									
Contact:	Earl Knoll														
Project Ir	nformation														
D 0	er i e e e e e e e	400 N. 41 P							Collected:	7/3/	2012				
	ite Location:			- 0					Received:	7/0/	0040				
	roject Name:								e Analyzed:	1/3/	2012				
Proj	ect Number:			Batc	h Number:			Date	e Reported:						
Sample I	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info		Blanks entered in						
Lab #	Client #		Loca	tion/Descr	iption		Lab #	Client #	fibers	fields	fibers/field				
7-33	7-3 3	Baseline Ba	asement Roo	om 002 Sou	th End		7-3 1	7-3 1	2	100	0.020				
7-3 4	7-3 4	Baseline Ba	asement Roo	om 002 Nor	th End		7-3 2	7-3 2	2	100	0.020				
7-3 5	7-3 5	Baseline Ba	asement Tur	nel 026											
7-3 6	7-3 6														
7-3 7															
7-38	7-3 8	Baseline 1s													
7-3 9	7-3 9														
7-3 10	7-3 10		aseline 1st Floor Hall 106												
7-3 11	7-3 11		aseline 1st Floor Room 115												
7-3 12	7-3 12	Baseline 1s	t Floor Roor	n 144					A	/C' - -	0.000				
Mathad /	Filter Inform	otion							Average fib	ers/field	0.020				
	NIOSH 740		9/15/04			Type:	MCE 0.8	μm pore size	2						
LOD:		ers/100 fie		Gratic	cule Field A)0785	<u>, </u>						
LOD.	0.0 110	7013/ TOO TIC	Jus	Ordin	Jaio i iola /\		0.0	70100	<u>—</u>						
Lab	Client	4	Flow	Collection	Volume	Samp	ole Filter	Limit of	Airbo	orne					
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	Conc.					
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)					
7-3 3	7-3 3	385	13.10	95	1245	15	100	0.0022	0.00						
7-3 4	7-3 4	385	13.10	94	1231	16	100	0.0022	0.00)56					
7-3 5	7-3 5	385	13.10	92	1205	18	100	0.0022	0.00	065					
7-3 6	7-3 6	385	13.10	95	1245	14	100	0.0022	0.00)47					
7-3 7	7-3 7	385	13.10	93	1218	15	100	0.0022	0.00)52]				
7-38	7-3 8	385	13.10	95	1245	11	100	0.0022	0.00						
7-3 9	7-3 9	385	13.10	94	1231	12	100	0.0022	0.00						
7-3 10	7-3 10	385	13.10	94	1231	17	100	0.0022	0.00						
7-3 11	7-3 11	385	13.10	95	1245	16	100	0.0022	0.00						
7-3 12	7-3 12	385	13.10	95	1245	15	100	0.0022	0.00	051]				
Note:	No part of t	his report	may be re	produced	d, except in	full, with	out the writt	en permissi	ion of PSI.						
Comments:															
	-														
Analyst:					_ [Departmer	nt Manager :								

John Starr



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect						
			State	MO	Zip Code:	64050					
	Independence		State.	IVIO	_Zip Code.	04030					
Contact:	Earl Kholi										
Project In	nformation							Date (Collected:	7/3/	2012
Proiect S	ite Location:	102 North I	Main						Received:		
	roject Name:			c Court Ho	use				Analyzed:	7/3/	2012
	ect Number:				h Number:				Reported:		
•					•				•		
Sample II	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info	rmation BI	anks entered in	n this section	apply only
								to samples liste	ed in the "Samp		on" section.
Lab #	Client #		Loca	tion/Desc	ription		Lab #	Client #	fibers	fields	fibers/field
7-3 13	7-3 13	Baseline 2r	nd Floor Roo	m 245			7-3 1	7-3 1	2	100	0.020
7-3 14	7-3 14	Baseline 2r	nd Floor Roo	m 251			7-3 2	7-3 2	2	100	0.020
7-3 15	7-3 15		nd Floor Hall								
7-3 16	7-3 16		nd Floor Roo						1		
7-3 17	7-3 17		nd Floor Roo	m 238							
7-3 18	7-3 18	Baseline At	ttic 304								
									\	/C' - 1 - 1	0.000
Mathad /	Filton Inform	-4!						<i>F</i>	Average fib	ers/field	0.020
	Filter Inform		0/45/04			Time	MCE 0.9	um para siza			
-	NIOSH 740			Cunti	anda Fialal A	Type:2		μm pore size	_		
LOD:	5.5 110	ers/100 fie	eias	Gratio	cule Field A	rea mm :	0.0	00785	_		
Lab	Client	•	Flow	Collection	al II	Samp	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı	m³)	
7-3 13	7-3 13	385	13.10	94	1231	19	100	0.0022	0.00)68	
7-3 14	7-3 14	385	13.10	92	1205	18	100	0.0022	0.00)65	
7-3 15	7-3 15	385	13.10	95	1245	20	100	0.0022	0.00)71	
7-3 16	7-3 16	385	13.10	93	1218	14	100	0.0022	0.00		
7-3 17	7-3 17	385	13.10	95	1245	15	100	0.0022	0.00		
7-3 18	7-3 18	385	13.10	94	1231	17	100	0.0022	0.00)60	
									-		
					 				-		
									-		
	<u> </u>	<u> </u>		<u> </u>	<u> </u>		<u> </u>		<u> </u>		
Note:	No part of t	his report	may be re	eproduce	d, except in	full, with	out the writt	en permissio	n of PSI.		
Comments:											
Commonts.	•										
Analyst:					I	Departmer	nt Manager :				
•			Sherri Jor	nes							



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect						
	Independence		State:	MO	Zip Code:	64050					
-	Earl Knoll	,	Olaic.	IVIO	_2ip 00d6.	04030					
Contact.	Eatl Kiloli										
Project Ir	nformation							Date (Collected:	7/16	/2012
Project S	ite Location:	102 North I	Main					Date	Received:		
, Pı	roject Name:	Jackson Co	ounty Histori	ic Court Ho	use				Analyzed:		/2012
	ject Number:				h Number:			Date	Reported:		
_				•	•				•		
Sample I	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info	rmation Black to samples liste	anks entered in		
Lab #	Client #		Loca	tion/Desc	ription		Lab #	Client #	fibers	fields	fibers/field
7-16 3	7-16 3	2nd Floor F					7-16 1	7-16 1	2	100	0.020
7-16 4	7-16 4	2nd Floor F					7-16 2	7-16 2	2	100	0.020
7-16 5	7-16 5		Outside Roor	m 213				1.13=			0.000
							-				
]							<i>F</i>	Average fib	ers/field	0.020
Method /	Filter Inform	nation		<			<u> </u>				
Method:	NIOSH 740	0. Issue 2	. 8/15/94			Type:	MCE, 0.8	μm pore size			
		ers/100 fie		Gratio	cule Field A			00785	=		
						-	-		=		
Lab	Client		Flow	Collection	Volume	Samp	le Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	Conc.	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı	m³)	
7-16 3	7-16 3	385	4.80	240	1152	15	100	0.0023	0.00)55	
7-16 4	7-16 4	385	4.80	450	2160	20	100	0.0012	0.00)41	
7-16 5	7-16 5	385	4.80	210	1008	16	100	0.0027	0.00)68	
	.=			-	 •			. _	•		
Note:	No part of t	his report	may be re	eproduce	d, except ir	full, with	out the write	ten permissio	n of PSI.		
Comments	:										
A m = 1 1						Jan-4	4 Ma				
Analyst :		ا معلما	24		=	epartmer	nt Manager :		Charm! I:		
		John S	otarr					Sherri Jor	ies		



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Client Inf	formation										·	
Nama.	Jackson Cour	nty Public W	orks/Piner \	Wind Archite	oct							
	303 West Wa		UIKS/FIPEI V	VIIIU AICIIILE	:C1							
	Independence		State:	MO	Zip Code:	64050						
-	Earl Knoll		•		· '							
Project II	nformation								D	O 11		
Drainat C	ita Lagatian.	100 North	Main							Collected: Received:		/2012
	Site Location: roject Name:			ic Court Hou	100					Analyzed:	7/18/	/2012
	ject Number:				h Number:					Reported:	1/10/	2012
	joot Hambon								Date	торопоч.		
Sample I	nformation	Do	not enter field	blank informat	tion in this secti	on.	Bla	nk Info	rmation Bla	anks entered in		
Lab #	Client #		Loca	tion/Descr	iption		1	ab#	Client #	fibers	1	fibers/field
7-17 3	7-17 3	2nd Floor F					7	-17 1	7-17 1	2	100	0.020
7-17 4	7-17 4	2nd Floor (Outside Roo	m 213			7	'-17 2	7-17 2	1	100	0.010
									,			
								,				
							Ť					
							-			1		
]									Nverage fib	ers/field	0.015
Method /	Filter Inform	nation					_!!		<u> </u>		0.0,	0.0.0
ll	NIOSH 740		. 8/15/94			Type:	M	CE, 0.8	μm pore size			
LOD:		ers/100 fie		Gratic	ule Field A				00785	_		
						_				-		
Lab	Client	4	Flow		Volume		le Fil	ter	Limit of	Airbo		
Sample	Sample	ECA	Rate		Collected			# of	Detection	Fiber	_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	f	ields	(f/cm ³)	(f/cı		
7-17 3	7-17 3	385	4.80	450	2160	21		100	0.0012	0.00		
7-17 4	7-17 4	385	4.80	450	2160	19	-	100	0.0012	0.00	040	
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					-		-			 		
							-			1		
							-					
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Note:	No part of t	his report	may be re	eproduced	d, except in	n full, with	out t	he writt	ten permissio	n of PSI.		
1	•	-	•	•					•			
Comments	:											
Analyst:			2.		<u> </u>	Departmer	nt Ma	nager :		01		
		John S	Starr							Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect						
	303 West Wa										
-	Independence		State:	MO	Zip Code:	64050	•				
Contact:	Earl Knoll										
Project Ir	nformation							Date (Collected:	7/18	/2012
Project S	ite Location:	102 North I	Main						Received:	7/10/	2012
	roject Name:			ic Court Ho	ISE				Analyzed:	7/19	/2012
	ect Number:				h Number:				Reported:		
-,											
Sample li	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info	rmation Bla to samples liste	anks entered in		,,,,,
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers	fields	fibers/field
7-18 3	7-18 3	2nd Floor F	Room 225		•		7-18 1	7-18 1	2	100	0.020
7-18 4	7-18 4	2nd Floor C	Outside Roor	m 238			7-18 2	7-18 2	2	100	0.020
								·			
								ΑΑ	verage fib	ers/field	0.020
	Filter Inform		0/4=/0.4			_	MOF				
	NIOSH 740				. =	Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratio	cule Field A	rea mm ² :	0.0	00785	-		
Lab	Client	•	Flow	Collection	Volume	Sam	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
7-18 3	7-18 3	385	4.80	460	2208	16	100	0.0012	0.00)31	
7-18 4	7-18 4	385	4.80	460	2208	18	100	0.0012	0.00)36	
					 				 		
					 						
					 						
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					JL]		
Note:	No part of t	his report	may be re	eproduce	d, except ir	n full, with	out the writ	en permissio	n of PSI.		
Comments:	:										
Analyst:					<u>.</u>	Departme	nt Manager :				
		John S	Starr						Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W	orks/Piper V	Vind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence	1	State:	MO	Zip Code:	64050					
Contact:											
Project In	formation										
									Collected:		/2012
Project S	ite Location:	102 North I	Main					Date	Received:		
Pr	oject Name:	Jackson Co	ounty Histor	ic Court Hou	ıse			Date	Analyzed:	7/20	/2012
Proj	ect Number:	0603	477-1	Batcl	h Number:			Date	Reported:		
Sample Ir	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info		anks entered ir		
,	T	ı						to samples liste	1		on" section.
Lab #	Client #			tion/Descr	iption		Lab #	Client #	fibers	fields	fibers/field
7-19 3	7-19 3	1st Floor R					7-19 1	7-19 1	2	100	0.020
7-19 4	7-19 4	1st Floor R	oom 120				7-19 2	7-19 2	2	100	0.020
								<u> </u>	Average fib	ers/field	0.020
	Filter Inform										
-	NIOSH 740					Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratio	ule Field A	rea mm²:	0.	00785	_		
Lab	Client	(Flow		Volume		ole Filter	Limit of	Airbo		
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı	m³)	
7-19 3	7-19 3	385	4.80	470	2256	16	100	0.0012	0.00)30	
7-19 4	7-19 4	385	4.80	470	2256	18	100	0.0012	0.00)35	
	•			•	-			•	I		.'
Note:	No part of t	his report	may be re	eproduced	d, except ir	n full, with	out the writ	ten permissio	n of PSI.		
	-			-	-			-			
Comments:											
Analyst:					İ	Departmer	nt Manager :				
,		John S	Starr		-	•	J		Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W	orks/Piper V	Wind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence	1	State:	MO	Zip Code:	64050					
Contact:											
Project In	formation										
									Collected:		/2012
Project S	ite Location:	102 North I	Main					Date I	Received:		
Pr	oject Name:	Jackson Co	ounty Histor	ic Court Hou	ıse			Date .	Analyzed:	7/23	/2012
Proj	ect Number:	0603	477-1	Batcl	h Number:			Date	Reported:		
Sample Ir	nformation	Do	not enter field	l blank informa	tion in this section	on.	Blank Info		anks entered ir		,,,,,
,	T	ı						to samples liste	1		on" section.
Lab #	Client #			ation/Descr	iption		Lab #	Client #	fibers	fields	fibers/field
7-20 3	7-20 3	1st Floor R					7-20 1	7-20 1	2	100	0.020
7-20 4	7-20 4	1st Floor R	oom 115				7-20 2	7-20 2	1	100	0.010
								P	verage fib	ers/field	0.015
	Filter Inform						_				
-	NIOSH 740					Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratic	ule Field A	rea mm²:	0.0	00785	_		
Lab	Client	(Flow		Volume		ole Filter	Limit of	Airbo		
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber (_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı	n³)	
7-20 3	7-20 3	385	4.80	450	2160	15	100	0.0012	0.00)31	
7-20 4	7-20 4	385	4.80	450	2160	20	100	0.0012	0.00)42	
			1		<u>'</u>			,	••		•
Note:	No part of t	his report	may be re	eproduced	d, except ir	full, with	out the write	ten permissio	n of PSI.		
	-			-	-			-			
Comments:											
Analyst:					I	Departmer	nt Manager :				
·		John S	Starr		-	•	•		Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect						
	303 West Wa						•				
-	Independence		State:	MO	Zip Code:	64050	•				
Contact:	Earl Knoll										
Project In	nformation							Date (Collected:	7/22	/2012
Project S	ite Location:	102 North I	Main						Received:		2012
	oject Name:			ic Court Ho	190			_	Analyzed:		/2012
	ect Number:				h Number:			-	Reported:		2012
,								_			
Sample II	nformation	Do	not enter field	blank informa	tion in this secti	on.	Blank Info	ormation Bla	anks entered in		,,,,,
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers		fibers/field
7-23 3	7-23 3	1st Floor R					7-23 1	7-23 1	2	100	0.020
7-23 4	7-23 4	1st Floor R					7-23 2	7-23 2	1	100	0.010
								Α	verage fib	ers/field	0.015
	Filter Inform										
-	NIOSH 740					Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratio	cule Field A	rea mm ² :	0.	00785	-		
Lab	Client	(Flow	Collection	Volume	Samı	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
7-23 3	7-23 3	385	4.80	255	1224	15	100	0.0022	0.00)54	
7-23 4	7-23 4	385	4.80	255	1224	17	100	0.0022	0.00	062	
									 		
					-			1	-		
					-			-	-		
					-			-	-		
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Note :	No part of t	his report	may be re	eproduce	d, except ir	n full, with	out the writ	ten permissio	n of PSI.		
Comments:											
Analyst:			<u> </u>		<u> </u>	Departme	nt Manager :		01 11		
		John S	Starr						Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Coun		orks/Piper V	Vind Archite	ect							
	303 West Wa											
City:	Independence	1	State:	MO	Zip Code:	64050						
Contact:	Earl Knoll											
Project In	nformation								Date (Collected:	7/24	/2012
Project S	ite Location:	102 North I	Main							Received:		2012
	oject Name:			ic Court Ho	ISE					Analyzed:		/2012
	ect Number:				h Number:					Reported:		
Sample II	nformation	Do	not enter field	blank informa	tion in this section	on.	Blai	nk Info	rmation Bla to samples liste	anks entered in		
Lab #	Client #		Loca	tion/Desci	ription		L	ab #	Client #	fibers		fibers/field
7-24 3	7-24 3	1st Floor R					7-	-24 1	7-24 1	2	100	0.020
7-24 4	7-24 4	1st Floor R	oom 133				7-	-24 2	7-24 2	2	100	0.020
7-24 5	7-24 5	Basement	Room 002									
									V			
									Д	verage fib	ers/field	0.020
	Filter Inform		0/45/04				MC	SE 0.0				
-	NIOSH 740			Cunth	l. (:l.) (Type:			μm pore size	-		
LOD:	5.5 fib	ers/100 fie	eias	Gratio	cule Field A	rea mm :		0.0	00785	-		
Lab	Client		Flow	Collection	Volume	Sam	ole Filt	er	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	#	# of	Detection	Fiber	Conc.	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fi	elds	(f/cm ³)	(f/cı	n³)	
7-24 3	7-24 3	385	4.80	410	1968	16		100	0.0014	0.00	35	
7-24 4	7-24 4	385	4.80	410	1968	18	·	100	0.0014	0.00)40	
7-24 5	7-24 5	385	4.80	330	1584	13		100	0.0017	0.00)34	
					 					 		
					-		-					
					 		-					
			<u> </u>		<u> </u>							
Note:	No part of t	his report	may be re	eproduce	d, except ir	n full, with	out th	ne writ	ten permissio	n of PSI.		
Comments:												
											· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Analyst:					_	Departme	nt Mar	nager :				
		John S	Starr							Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W										
Address:	303 West Wa	Inut Street					-					
	Independence		State:	MO	Zip Code:	64050	-					
Contact:							•					
00							•					
Project In	nformation											
•									Da	te Collected:	7/25	/2012
Project S	ite Location:	102 North I	Main							te Received:		
	roject Name:			ic Court Hou	ise					te Analyzed:		/2012
Proi	ect Number:	0603	477-1	Batch	n Number:					te Reported:		
,	oot rambon			Dato					24	to reported.		
Sample II	nformation	Do	not enter field	blank informat	ion in this section	on.	В	lank Info	rmation	Blanks entered	n this sectio	n apply only
•										listed in the "Sam		
Lab #	Client #		Loca	tion/Descr	iption			Lab #	Client #		fields	fibers/field
7-25 3	7-25 3	1st Floor R						7-25 1	7-25 1	2	100	0.020
7-25 4	7-25 4	1st Floor R						7-25 2	7-25 2	2	100	0.020
7-25 5	7-25 5	Basement							. 202			0.020
7-25 6	7-25 6	1st Floor R										
7 20 0	7 20 0	1001100110	.00111 110									
							KI					
								[Average fil	lL hers/field	0.020
Method /	Filter Inform	nation								/ tvolago III	2010/11010	0.020
	NIOSH 740		8/15/94			Type:	N	MCE. 0.8	μm pore siz	ze.		
	5.5 fib			Gratic	ule Field A							
LOD.	0.0 110	7013/ 100 H	Jiuo	Ordilo	aic i icia / (0.0	0700			
Lab	Client		Flow	Collection	Volume	Samp	ole F	Filter	Limit of	Airb	orne	
Sample	Sample	ECA	Rate		Collected			# of	Detectio			
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers		fields	(f/cm ³)	(f/c		
7-25 3	7-25 3	385	4.80	300	1440	18	1 -	100	0.0019		054	
7-25 4	7-25 4	385	4.80	449	2155	20	l	100	0.0013	0.0		
7-25 5	7-25 5	385	4.80	448	2150	17	l	100	0.0013		034	
7-25 6	7-25 6	385		190	912	12	-	100	0.0013		054 054	
7-25 0	7-25 0	363	4.80	190	912	12	-	100	0.0030	0.0	034	
							-					
					 		∤ ├					
							-					
					 		l ⊢					
	IL	I <u> </u>		<u> </u>			╵└					1
Note:	No part of t	hia ranari	mou bo re	nraduosa	l avaantin	s full with	4	t the unit	on normio	oion of BSI		
Note:	NO part of t	nis report	may be re	eproduced	і, ехсері іі	i iuii, witti	iout	trie writte	en permis	SION OF PSI.		
Comments:	·											
A 1						Dan - ::1		laar				
Analyst :			21			⊃epartmer	nt M	ianager : _		01: ::		
		John S	Starr							Sherri Jo	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W	orks/Piper V	Wind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence)	State:	MO	Zip Code:	64050					
Contact:											
Project In	formation										
									Collected:		/2012
Project S	ite Location:	102 North	Main					Date I	Received:		
Pr	oject Name:	Jackson C	ounty Histor	ic Court Hou	ıse			Date /	Analyzed:	7/27	/2012
Proj	ect Number:	0603	477-1	Batcl	h Number:			Date I	Reported:		
Sample Ir	nformation	Do	not enter field	l blank informa	tion in this section	on.	Blank Info		anks entered ir		
1		П						to samples liste	1		on" section.
Lab #	Client #			ation/Descr	iption		Lab #	Client #	fibers	fields	fibers/field
7-26 3	7-26 3	1st Floor R					7-26 1	7-26 1	1	100	0.010
7-26 4	7-26 4	Basement	Room 002				7-26 2	7-26 2	2	100	0.020
								<i>P</i>	verage fib	ers/field	0.015
	Filter Inform										
_	NIOSH 740					Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratic	ule Field A	rea mm²:	0.0	00785	_		
Lab	Client	•	Flow	lı —	Volume		ole Filter	Limit of	Airbo		
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı	n³)	
7-26 3	7-26 3	385	4.80	450	2160	20	100	0.0012	0.00)42	
7-26 4	7-26 4	385	4.80	449	2155	19	100	0.0013	0.00)40	
				•	-				••		.'
Note:	No part of t	his report	may be re	eproduced	d, except ir	full, with	out the write	ten permissio	n of PSI.		
	-	-	-	-	-			-			
Comments:											
Analyst:					I	Departmer	nt Manager :				
•		John S	Starr		-	•	•		Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Coun		orks/Piper V	Vind Archite	ect						
	303 West Wa										
-	Independence		State:	MO	Zip Code:	64050	•				
Contact:	Earl Knoll										
Project In	nformation							Date (Collected:	7/27	/2012
Project S	ite Location:	102 North I	Main						Received:		2012
	oject Name:			c Court Ho	ISE			_	Analyzed:		/2012
	ect Number:				h Number:			_	Reported:		
								_			
Sample II	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info	ormation Bla to samples liste	anks entered in		
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers		fibers/field
7-27 3	7-27 3	1st Floor R					7-27 1	7-27 1	2	100	0.020
7-27 4	7-27 4	1st Floor R	oom 115				7-27 2	7-27 2	1	100	0.010
7-27 5	7-27 5	Basement	Room 002								
								•			
								P	verage fib	ers/field	0.015
	Filter Inform		0/45/04			T	MCE OF)			
-	NIOSH 740			Curth	la (Fialal A	Type:		β μm pore size	-		
LOD:	5.5 fib	ers/100 fie	eias	Gratio	cule Field A	rea mm :	Ü.	.00785	_		
Lab	Client		Flow	Collection	Volume	Sam	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
7-27 3	7-27 3	385	4.80	480	2304	17	100	0.0012	0.00	033	
7-27 4	7-27 4	385	4.80	479	2299	18	100	0.0012	0.00)35	
7-27 5	7-27 5	385	4.80	478	2294	21	100	0.0012	0.00	042	
								-	-		
					-						
					 				1		
					<u> </u>			<u> </u>	<u> </u>		-
Note:	No part of t	his report	may be re	eproduce	d, except ir	n full, with	out the writ	tten permissio	n of PSI.		
Comments:											
_						_					
Analyst:			<u> </u>		<u>-</u>	Departme	nt Manager :		<u> </u>		
		John S	Starr						Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect		<u>.</u>					
	303 West Wa						•					
•	Independence)	State:	MO	Zip Code:	64050						
Contact:	Earl Knoll											
Project Ir	nformation								Date (Collected:	7/30/	/2012
Project S	ite Location:	102 North I	Main							Received:	1/30/	2012
	roject Name:			ic Court Ho	ISE					Analyzed:	7/31/	/2012
	ect Number:				h Number:					Reported:		
-,												
Sample II	nformation	Do	not enter field	blank informa	tion in this secti	on.	Bla	nk Info	rmation Bla to samples liste	anks entered in d in the "Sam		,,,,
Lab #	Client #		Loca	tion/Desci	ription			ab #	Client #	fibers		fibers/field
7-30 3	7-30 3	Basement			•		7	-30 1	7-30 1	2	100	0.020
7-30 4	7-30 4	Basement	Room 002				7	-30 2	7-30 2	2	100	0.020
									¥			
						_			Д	verage fib	ers/field	0.020
	Filter Inform		0/45/04				N 4 /	OF 0.0				
	NIOSH 740			Curth	l. [:.l.] A	Type:			μm pore size	-		
LOD:	5.5 fib	pers/100 fie	eids	Gratio	cule Field A	rea mm-:		0.0	00785	-		
Lab	Client	(Flow	Collection	Volume	Samı	ole Fil	ter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	;	# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	f	ields	(f/cm ³)	(f/cı	n³)	
7-30 3	7-30 3	385	4.80	480	2304	23		100	0.0012	0.00)45	
7-30 4	7-30 4	385	4.80	480	2304	25		100	0.0012	0.00)49	
		-			-							
					<u> </u>							
Note:	No part of t	this report	may be re	eproduce	d, except ir	n full, with	out ti	he writ	ten permissio	n of PSI.		
Comments:	<u> </u>											
						-						
Analyst:					_	Departme	nt Mai	nager :				
		John S	Starr							Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect		_					
	303 West Wa						_					
-	Independence)	State:	MO	Zip Code:	64050	_					
Contact:	Earl Knoll						-					
Project In	nformation								Date (Collected:	7/31/	/2012
Project S	ite Location:	102 North I	Main							Received:		2012
	oject Name:			c Court Hou	use					Analyzed:		2012
	ect Number:				h Number:					Reported:		
					•							
Sample II	nformation	Do	not enter field	blank informa	tion in this section	on.		Blank Info	rmation Bla to samples liste	anks entered in d in the "Samp		,,,,,
Lab #	Client #		Loca	tion/Desci	ription		İĒ	Lab #	Client #	fibers	fields	fibers/field
7-31 3	7-31 3	Basement	Room 009		•			7-31 1	7-31 1	2	100	0.020
7-31 4	7-31 4	Basement I	Room 002					7-31 2	7-31 2	2	100	0.020
7-31 5	7-31 5	Attic										
							Ш		•			
							h					
							N					
							IJL					
									A	verage fib	ers/field	0.020
	Filter Inform		0/4=/0.4			_		MOE 0.0				
-	NIOSH 740				. =:	Type:			μm pore size	-		
LOD:	5.5 fib	ers/100 fie	elds	Gratio	cule Field A	rea mm²:		0.0	00785	-		
Lab	Client	4	Flow	Collection	Volume	Sam	ple	Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of		# of	Detection	Fiber	_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers		fields	(f/cm ³)	(f/cı	m³)	
7-31 3	7-31 3	385	4.80	480	2304	19		100	0.0012	0.00)36	
7-31 4	7-31 4	385	4.80	480	2304	18	1 L	100	0.0012	0.00)34	
7-31 5	7-31 5	385	4.80	330	1584	16	1 L	100	0.0017	0.00)43	
					 		4 L					
					<u> </u>		4					
					 		4 L					
					 		4					
					<u> </u>		4 -					
					 		4					
			<u> </u>		<u> </u>		J L					
Note:	No part of t	his report	may be re	eproduce	d, except ir	n full, with	าดเ	ıt the writt	en permissio	n of PSI.		
Comments:												
Analyst:					<u>.</u>	Departme	nt I	Manager : _				
		John S	Starr							Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect		.				
	303 West Wa						-				
City:	Independence)	State:	MO	Zip Code:	64050	-				
Contact:	Earl Knoll						<u>-</u>				
Project Ir	nformation							Date (Collected:	Q/1/ ⁻	2012
Project S	ite Location:	102 North I	Main						Received:		2012
	roject Name:			ic Court Ho	use			_	Analyzed:		2012
	ect Number:				h Number:				Reported:		-
				•	•						
Sample II	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info	ormation Bla to samples liste	anks entered in ed in the "Sam		,,,,,
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers	fields	fibers/field
8-13	8-1 3	Basement	Room 009				8-11	8-1 1	2	100	0.020
8-1 4	8-1 4	Basement	Room 002				8-1 2	8-1 2	1	100	0.010
									-		
									-		
									1		
	<u> </u>							JL	Nverage fib	ers/field	0.015
Method /	Filter Inform	nation							tvorage iii	.010/11010	0.010
	NIOSH 740		. 8/15/94			Type:	MCE, 0.8	β μm pore size			
	5.5 fib			Gratio	cule Field A			00785	-		
•									-		
Lab	Client		Flow	Collection	Volume	Sam	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
8-1 3	8-1 3	385	4.80	470	2256	21	100	0.0012	0.00	042	
8-1 4	8-1 4	385	4.80	470	2256	18	100	0.0012	0.00	036	
					-				-		
		-			 				-		
					 			1	1		
		 			1			1	 		
					1			1	1		
	11	11	11	1	JI		I	-11	-11		'
Note:	No part of t	this report	may be re	eproduce	d, except ir	n full, with	out the writ	ten permissio	n of PSI.		
Comments:	<u> </u>										
Analyst:					ı	Danartma	nt Manager :				
Analyst :		John S	Starr		_	Departine	nt Manager :		Sherri Jor	166	
		JUIII	Jan						0116111 301	100	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect						
	303 West Wa						•				
-	Independence		State:	MO	Zip Code:	64050					
Contact:	Earl Knoll										
Project In	nformation							Date (Collected:	8/2/ [:]	2012
Project S	ite Location:	102 North I	Main						Received:		LOTZ
	oject Name:			c Court Ho	use				Analyzed:		2012
	ect Number:				h Number:				Reported:		
0						1	D				1
Sample II	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Inf	to samples liste	anks entered in ed in the "Samp		
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers	fields	fibers/field
8-23	8-2 3	Basement	Room 009				8-2 1	8-2 1	2	100	0.020
8-2 4	8-2 4	Basement	Room 002				8-2 2	8-2 2	2	100	0.020
8-2 5	8-2 5	2nd Floor F	Room 230								
									-		
									-		
									1		
									Nverage fib	ers/field	0.020
Method /	Filter Inform	nation					<u>L II</u>				
	NIOSH 740		, 8/15/94			Type:	MCE, 0.8	β μm pore size			
-	5.5 fib			Gratio	cule Field A			.00785	_		
Lab	Client	(Flow		Volume		ole Filter	Limit of	Airbo		
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı	•	
8-23	8-2 3	385	3.80	470	1786	16	100	0.0015	0.00		
8-2 4	8-2 4	385	3.80	470	1786	18	100	0.0015	0.00		
8-2 5	8-2 5	385	3.80	475	1805	15	100	0.0015	0.00)35	
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									-		
					 				1		
					 				1		
					1				1		
		ĮĮ.		l .	J <u>I</u>			-11	41		
Note :	No part of t	his report	may be re	eproduce	d, except ir	full, with	out the wri	tten permissio	n of PSI.		
Comments:											
Analyst:					ı	Denartmo	nt Manager				
Analyst :		John S	Starr		- '	Departinei	nt Manager		Sherri Jor	100	
		JUIII	Jan						0116111 301	100	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect						
	303 West Wa										
City:	Independence	1	State:	MO	Zip Code:	64050					
Contact:	Earl Knoll										
Project In	nformation							Date (Collected:	8/3/	2012
Project S	ite Location:	102 North I	Main						Received:		LOTZ
	oject Name:			c Court Ho	use				Analyzed:		2012
	ect Number:				h Number:			Date	Reported:		
Complete	nformation						Dlank left				
Sample II	normation	Do	not enter field	biank informa	tion in this section	on.	Blank Info	to samples liste	anks entered in ed in the "Samp		
Lab#	Client #		Loca	tion/Desc	ription		Lab #	Client #	fibers	fields	fibers/field
8-33	8-3 3	Basement	Room 009				8-3 1	8-3 1	2	100	0.020
8-3 4	8-3 4	Basement I	Room 002				8-3 2	8-3 2	2	100	0.020
8-3 5	8-3 5	1st Floor T	ruman Court	room							
									-		
								-	1		
									-		
								JL	lll \verage fib	ore/field	0.020
Method /	Filter Inform	nation						<u> </u>	werage no	icis/ficia	0.020
	NIOSH 740		8/15/94			Type:	MCE. 0.8	β μm pore size			
-	5.5 fib			Gratio	cule Field A			.00785	-		
				1					-		
Lab	Client	4	Flow	Collection	Volume	Sam	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	Conc.	
Number	Number	(mm^2)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
8-3 3	8-3 3	385	3.80	470	1786	19	100	0.0015	0.00)47	
8-3 4	8-3 4	385	3.80	470	1786	17	100	0.0015	0.00	041	
8-3 5	8-3 5	385	7.80	150	1170	16	100	0.0023	0.00)59	
					 				<u> </u>		
					╂				-		
]				<u> </u>		
Note :	No part of t	his report	may be re	eproduce	d, except ir	full, with	out the wri	tten permissio	n of PSI.		
Comments:											
				<u> </u>		<u> </u>					
Analyst:					_	Departme	nt Manager				
		John S	Starr						Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W	orks/Piper V	Vind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence	l	State:	MO	Zip Code:	64050					
Contact:	Earl Knoll										
Project Ir	nformation							Date	e Collected:	9/7/	2012
Droject S	ite Location:	102 North	Main						Received:		2012
	roject Name:			c Court Ho	ISE			_	e Analyzed:		2012
	ject Number:				h Number:			_	e Reported:		2012
	,000,110,110,011			Date				_	этторогтой.		
Sample II	nformation	Do	not enter field	blank informa	tion in this secti	on.	Blank Inf	ormation	Blanks entered i	n this sectio	n apply only
-								to samples li	sted in the "Sam	ole Informati	on" section.
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers	fields	fibers/field
8-73	8-7 3	First Floor	West Hall				8-7 1	8-7 1	1	100	0.010
							8-7 2	8-7 2	2	100	0.020
							_				
							1				
										/6: - -	0.045
Mathad /	Filter Inform	otion							Average fib	ers/neid	0.015
	NIOSH 740		0/15/0/			Type:	MCE OS	β μm pore size	3		
	5.5 fib			Gratic	culo Field A		0		-		
LOD.	J.5 III.	JE15/ 100 H	ius	Gialli	sule i lelu A	ica ilili .	0	.00763			
Lab	Client		Flow	Collection	Volume	Samr	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected		# of	Detection			
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	_	
8-7 3	8-7 3	385	3.80	475	1805	15	100	0.0015	0.00		
					1000			0.000.0			
Note:	No part of t	his report	may be re	eproduce	d, except ir	n full, with	out the wri	ten permiss	ion of PSI.		
Comments:											
A						Dama::1:	-4 M				
Analyst :		John S	240.00		-	⊔epartmer	nt ivianager		Chemi I		
		John S	Starr						Sherri Joi	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W	orks/Piper V	Vind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence	l	State:	MO	Zip Code:	64050					
Contact:	Earl Knoll										
Project Ir	nformation							Doto	Callagtad	0/0/	2042
Droject S	ito Location:	102 North	Main						Collected: Received:		2012
	ite Location: roject Name:			c Court Ho	100				Analyzed:		/2012
	ject Number:				h Number:				Reported:		72012
1 10,	cot rambon.	0000		Dato	ii i vaiiiboi.			Date	reported.		
Sample II	nformation	Do	not enter field	blank informa	tion in this secti	on.	Blank Info	rmation B	lanks entered ii	n this sectio	n apply only
-								to samples list	ed in the "Sam	ole Informati	on" section.
Lab #	Client #		Loca	tion/Descr	iption		Lab #	Client #	fibers	fields	fibers/field
8-93	8-9 3	Basement 1	West End				8-9 1	8-9 1	2	100	0.020
							8-9 2	8-9 2	2	100	0.020
								_			
									^	/£;	0.000
Mathad /	Filter Inform	otion							Average fib	ers/neid	0.020
	NIOSH 740		0/15/0/			Type:	MCE 0.8	μm pore size			
	5.5 fib			Gratic	sulo Fiold A		0.0		_		
LOD.	J.5 III.	JE15/ 100 H	ius	Gialit	ule i lelu A	ica ilili .	0.	00763	_		
Lab	Client		Flow	Collection	Volume	Samr	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected		# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	_	
8-93	8-9 3	385	3.80	470	1786	13	100	0.0015	0.00		
			0.00		1						
								_			
								_			
	•	•	•		•	•		•	••		•
Note:	No part of t	his report	may be re	produced	d, except ir	n full, with	out the writ	ten permissio	on of PSI.		
Comments:											
						. .					
Analyst :		John	34 - m:		-	∪epartmer	nt Manager :		Ob' !		
		John S	starr						Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W	orks/Piper V	Vind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence		State:	MO	Zip Code:	64050					
Contact:											
Project In	nformation										
									Collected:		/2012
Project S	ite Location:	102 North I	Main					Date I	Received:		
	oject Name:				ıse			Date .	Analyzed:	8/13	/2012
Proj	ect Number:	0603	477-1	Batcl	h Number:			Date	Reported:		
Sample Ir	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info		anks entered ir		
,		ı						to samples liste	1		on" section.
Lab #	Client #			tion/Descr	iption		Lab #	Client #	fibers	fields	fibers/field
8-10 3	8-10 3	Basement '	West End				8-10 1	8-10 1	1	100	0.010
							8-10 2	8-10 2	2	100	0.020
									<u> </u>		
								A	verage fib	ers/field	0.015
	Filter Inform					_					
-	NIOSH 740					Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratic	cule Field A	rea mm²:	0.0	00785	-		
1 -1.	Oli sat	<u> </u>	II Florida	0.0.0	I Value I	0	I. F 'II	l tarte of	II A'L		
Lab	Client	F04	Flow		Volume		ole Filter	Limit of	Airbo		
Sample	Sample	ECA	Rate	Time	Collected		# of	Detection	Fiber (_	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı		
8-10 3	8-10 3	385	3.80	480	1824	16	100	0.0015	0.00)39	
									1		
									<u> </u>		
							<u> </u>		<u> </u>		
									<u> </u>		
Note:	No part of t	his report	may be re	eproduced	d, except ir	i full, with	out the write	ten permissio	n of PSI.		
Comments:											
A 1						Dana 1	. 4 Ma.a				
Analyst:		ا مادا	240.00		-	⊃epartmer	nt Manager :		Chamil I		
		John S	Starr						Sherri Jor	ies	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Cour	nty Public W	orks/Piper V	Vind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence)	State:	MO	Zip Code:	64050					
Contact:	Earl Knoll										
Project Ir	nformation							5.	0 II . I		
5									Collected:		/2012
	ite Location:			0 (11				•	Received:		(0040
	oject Name:								Analyzed:		/2012
Pioj	ect Number:	0603	4//-1	Date	h Number:			Date	Reported:		
Sample II	nformation	Do	not enter field	hlank informa	tion in this secti	on	Blank Info	rmation B	lanks entered i	n this section	n annly only
oupio		20	not ontor noid	bianik iinionna		on.		to samples list			
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers	fields	fibers/field
8-13 3	8-13 3	Basement					8-13 1	8-13 1	1	100	0.010
							8-13 2	8-13 2	2	100	0.020
								,	Average fib	ers/field	0.015
	Filter Inform					_	1405 00				
	NIOSH 740					Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratio	cule Field A	rea mm ⁻ :	0.	00785	_		
Lab	Client		Flow	Collection	Volume	Somr	ole Filter	Limit of	Airbo	orno	
Sample	Sample	ECA	Rate	Time	Collected		# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	_	
8-13 3	8-13 3	385	3.80	475	1805	14	100	0.0015	0.00	•	
0-133	6-13-3	363	3.00	4/3	1000	14	100	0.0015	0.00	/J- 4	
					1						
					1						
					1						
									1		
Note:	No part of t	his report	may be re	eproduce	d, except ir	ı full, with	out the writ	ten permissio	on of PSI.		
Comments:											
A - 1 -						D					
Analyst :		John	Ctows		-	⊔epartmer	nt Manager :		Ch' I		
		John S	Starr						Sherri Joi	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Coun		orks/Piper V	Vind Archite	ect		.				
	303 West Wa		O1 1		7: 0 1		-				
	Independence		State:	MO	_Zip Code:	64050	-				
Contact:	Earl Knoll						_				
Project Ir	nformation							D	O 11		/
									Collected:		/2012
	ite Location:								Received:		
	roject Name:								Analyzed:		/2012
Proj	ect Number:	0603	477-1	Bato	h Number:			Date	Reported:		
Sample II	nformation	Do	not enter field	blank informa	ation in this section	on.	Blank Info	rmation Bla	anks entered in		
Lab #	Client #		Loca	tion/Desc	rintion		Lab #	Client #	fibers	fields	fibers/field
8-14 3	8-143	Basement '		11011/12000	приоп		8-14 1	8-14 1	2	100	0.020
0-14-3	0-14-3	Dasement	VV GST LITU				8-14 2	8-14 2	2	100	0.020
							0-142	0-142		100	0.020
						_					
									Average fib	ers/field	0.020
Method /	Filter Inform	ation									
	NIOSH 740		. 8/15/94			Type:	MCE, 0.8	μm pore size			
	5.5 fib			Grati	cule Field A			00785	-		
Lab	Client		Flow	Collection	n Volume	Sam	ple Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	Conc.	
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
8-14 3	8-14 3	385	3.80	481	1828	18	100	0.0015	0.00		
	-										
					1						
					1						
1		Į.	!	 			· -	1	.11		Į.
Note:	No part of t	his report	may be re	eproduce	d, except in	full, with	out the writt	en permissio	n of PSI.		
	-	•	-	•	•	-		-			
Comments:	:										
Analyst:					_ [Departme	nt Manager:				
		John S	Starr				·		Sherri Joi	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Address:	Jackson Cour	Inut Street			Zip Code:	64050					
Contact:	Independence Earl Knoll)	State:	IVIO	Zip Code.	64050					
Project In	nformation										
									Collected:		/2012
	ite Location:			. 0					Received:		/0040
	oject Name: ect Number:								Analyzed: Reported:		2012
FTOJ	ect Number.	0003	4//-1	Date	i Nullibel.			Date	Neporteu.		
Sample Ir	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info	ormation B	lanks entered in		
Lab #	Client #		Loca	tion/Descr	iption		Lab #	Client #	fibers	fields	fibers/field
8-15 3	8-15 3	Basement '	West End				8-15 1	8-15 1	2	100	0.020
8-15 4	8-15 4	Basement	East End				8-15 2	8-15 2	2	100	0.020
8-15 5	8-15 5	2nd Floor F	Room 251								
]						,	Average fib	ers/field	0.020
Method /	Filter Inform	nation									
-	NIOSH 740					Type:		μm pore size	_		
LOD:	5.5 fib	ers/100 fie	elds	Gratio	cule Field A	rea mm ² :	0.	00785	_		
Lab	Client		Flow	Collection	Volume	Samr	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected		# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
8-15 3	8-15 3	385	3.80	450	1710	20	100	0.0016	0.00)52	
8-15 4	8-15 4	385	3.80	451	1714	19	100	0.0016	0.00)49	
8-15 5	8-15 5	385	3.80	450	1710	18	100	0.0016	0.00)46	
					 						
		[<u> </u>	<u> </u>	J <u> </u>			<u> </u>			
Note:	No part of t	his report	may be re	eproduced	d, except ir	n full, with	out the writ	ten permissio	on of PSI.		
	•	-	-	•	<u> </u>						•
Comments:											
				<u> </u>							
A 1						Dama::1:	-4 Mais				
Analyst :		John S	Starr		<u>.</u>	⊳epaπmer	nt Manager :		Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Sherri Jones

Engineering • C	.10 Build On onsulting • Testing									Pa	ge 1 of 1			
Client Inf	ormation										go . c			
Name:	Jackson Cour	nty Public W	orks/Piper V	Vind Archite	ect									
Address:	303 West Wa	Inut Street												
City:	Independence	1	State:	MO	Zip Code:	64050								
Contact:	Earl Knoll													
Project Ir	nformation							Date	e Collected:	8/16	5/2012			
-	ite Location:							Date	e Received:					
Pı	roject Name:	Jackson Co	ounty Histori	c Court Hou	ıse			Date	e Analyzed:	8/17	/2012			
Proj	ect Number:	0603	477-1	Batc	h Number:			Date	e Reported:					
Sample I	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Info		Blanks entered i					
Lab #	Client #		Loca	tion/Descr	rintion		Lab #	Client #	fibers	fields	fibers/field			
8-16 3	8-16 3	1st Floor H	all West En		iption		8-16 1	8-16 1	2	100	0.020			
8-16 4	8-16 4		2nd Floor Ro				8-16 2	8-16 2	2	100	0.020			
8-16 5	8-16 5		2nd Floor Ro								01020			
8-16 6	8-16 6		Basement T											
8-16 7	8-16 7		Basement T							ĺ				
8-16 8	8-16 8	Clearance I	Basement T	unnel						ĺ				
8-16 9	8-16 9	Clearance I	Basement T	unnel										
8-16 10	8-16 10	Clearance I	learance Basement Tunnel learance Basement Tunnel											
8-16 11	8-16 11	In Progress	1st Floor R	oom 115										
8-16 12	8-16 12	In Progress	1st Floor R	oom 115										
									Average file	ers/field	0.020			
	Filter Inform													
	NIOSH 740					Type:		μm pore size	<u>e</u>					
LOD:	5.5 fib	ers/100 fie	elds	Gratio	cule Field A	rea mm ² :	0.0	00785						
Lab	Client	4	Flow	Collection	Volume	Samp	ole Filter	Limit of	Airb	orne				
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	Conc.				
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)				
8-16 3	8-16 3	385	3.80	470	1786	17	100	0.0015	0.0	041				
8-16 4	8-16 4	385	9.40	130	1222	11	100	0.0022	0.0	036				
8-16 5	8-16 5	385	9.40	131	1231	12	100	0.0022	0.0	040				
8-16 6	8-16 6	385	9.40	130	1222	9	100	0.0022		028				
8-16 7	8-16 7	385	9.40	130	1222	10	100	0.0022		032	_			
8-16 8	8-16 8	385	9.40	133	1250	14	100	0.0022		047	_			
8-16 9	8-16 9	385	9.40	131	1231	13	100	0.0022		044	_			
8-16 10	8-16 10	385	9.40	130	1222	11	100	0.0022		036				
8-16 11	8-16 11	385	4.80	270	1296	18	100	0.0021	0.0					
8-16 12	8-16 12	385	4.80	270	1296	17	100	0.0021	0.0	<u> 157</u>				
Note:	No part of t	his report	may be re	eproduced	d, except in	full, with	out the writt	en permiss	ion of PSI.					
Comments:	: Clearance sar	nples were r	ead the sam	ne day.										
Analyst:					I	Departmer	nt Manager:							

John Starr



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Cour		orks/Piper V	Vind Archite	ect							
	303 West Wa						•					
-	Independence	!	State:	MO	Zip Code:	64050	•					
Contact:	Earl Knoll											
Project In	nformation							Date (Collected:	8/17	/2012	
Project S	ite Location:	102 North I	Main						Received:		2012	
	oject Name:			ic Court Ho	use			Date Analyzed:				
	ect Number:				h Number:				Reported:			
Sample II	nformation	Do	not enter field	blank informa	tion in this section	on.	Blank Information Blanks entered in this section a to samples listed in the "Sample Information					
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers	fields	fibers/field	
8-17 3	8-17 3	1st Floor H	all West End	d			8-17 1	8-17 1	2	100	0.020	
8-17 4	8-17 4	In Progress	s 1st Floor R	oom 115			8-17 2	8-17 2	2	100	0.020	
8-17 5	8-17 5	In Progress	1st Floor R	toom 115								
								Ι	lLl verage fib	ers/field	0.020	
Method /	Filter Inform	nation							werage no	CIS/IICIG	0.020	
	NIOSH 740		. 8/15/94			Type:	MCE, 0.8	μm pore size				
-	5.5 fib			Gratic	cule Field A			00785	=			
									-			
Lab	Client	(Flow	Collection	Volume	Sam	ole Filter	Limit of	Airbo	orne		
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber	Conc.		
Number	Number	(mm^2)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/cı	m³)		
8-17 3	8-17 3	385	3.80	440	1672	12	100	0.0016	0.00)29		
8-17 4	8-17 4	385	3.80	440	1672	15	100	0.0016	0.00)38		
8-17 5	8-17 5	385	3.80	440	1672	16	100	0.0016	0.00)41		
					 							
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					╂				1			
			<u> </u>		J <u> </u>			<u> </u>	<u> </u>			
Note:	No part of t	his report	may be re	eproduce	d, except ir	full, with	out the writ	ten permissio	n of PSI.			
Comments:												
						_						
Analyst:			<u> </u>		<u> </u>	Departme	nt Manager :	_	01			
		John S	Starr				Sherri Jones					



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Coun	ity Public W	orks/Piper V	Vind Archite	ect								
Address:	303 West Wa	Inut Street											
City:	Independence		State:	MO	Zip Code:	64050	-						
Contact:			•				-						
							-						
Project In	nformation												
										ate C	Collected:	8/23	/2012
Project S	ite Location:	102 North I	Main							ate F	Received:		
Pr	Project Name: Jackson County Historic Court House									8/24	/2012		
Proj	ect Number:	0603	477-1	Batcl	h Number:					Date F	Reported:		
Sample Ir	nformation	Do	not enter field	blank informa	tion in this section	on.		Blank Info	rmation	Bla	nks entered ir	this section	n apply only
									to sampl	es liste	d in the "Samp		on" section.
Lab #	Client #		Loca	tion/Descr	iption			Lab #	Client		fibers	fields	fibers/field
8-23 3	8-23 3	1st Floor S	outh Entry					8-23 1	8-23	1	2	100	0.020
8-23 4	8-23 4		all West En					8-23 2	8-23	2	1	100	0.010
8-23 5	8-23 5	In Progress	s 1st Floor R	Room 144									
							L						
							М						
												/c: 1.1	
NA - (1)1 /	F:14 1 f	-4"					Ш			A	verage fib	ers/field	0.015
	Filter Inform		0/45/04			Tumai		MCE 0.0	um noro	oi-70			
-	NIOSH 740			Curti	la ⊏:alal ∧	Type: _	_	MCE, 0.8		size	•		
LOD:	5.5 fib	ers/100 fie	elas	Gratic	cule Fleid A	rea mm :		0.0	00785				
Lab	Client		Flow	Collection	Volume	Samn	ماد	e Filter	Limit	of	Airbo	rno	
Sample	Sample	ECA	Rate	Time	Collected			# of	Detect		Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers		fields	(f/cm	_	(f/cı		
8-23 3	8-23 3	385	3.80	470	1786	17	1	100	0.001	-	0.00		
8-23 4	8-23 4	385	3.80	475	1805	16	1	100	0.001		0.00		
8-23 5	8-23 5	385	3.80	330	1254	18	1	100	0.001		0.00		
0-23 3	0-23 3	303	3.00	330	1254	10		100	0.002		0.00	,00	
					 								
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							1						
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Note:	No part of t	his report	mav be re	eproduced	d. except ir	n full. with	10	ut the writt	en permi	issio	n of PSI.		
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Comments:													
Analyst:					İ	Departmer	nt	Manager :					
,		John S	Starr		-			J <u>-</u>			Sherri Jor	nes	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

	Jackson Coun		orks/Piper V	Vind Archit	ect		-				
	303 West Wal		<u> </u>		7: 0 1		-				
	Independence		State:	MO	_Zip Code:	64050	-				
Contact:	Earl Knoll						-				
Project In	nformation										
								Date (Collected:	9/4/	2012
	ite Location:							-	Received:		
	roject Name:								Analyzed:		2012
Proj	ect Number:	0603	477-1	Bato	h Number:			Date	Reported:		
Sample II	nformation	Do	not enter field	blank informa	ation in this section	on.	Blank Info		anks entered i		
1 -1. 11	Oli t #		1	/D	ala di s		1 -1 //	to samples liste		T	
Lab #	Client #	4 / 🗗 🛨		tion/Desc	ription		Lab #	Client #	fibers	fields	fibers/field
9-4 3	9-4 3	1st Floor I	ruman Court	Room			9-41	9-4 1	2	100	0.020
							9-42	9-4 2	2	100	0.020
									-		
									-		
						7					
							M				
]	vorage fib	oro/field	0.000
Mothod /	Filter Inform	otion				-			verage fib	ers/rielu	0.020
			0/15/0/			Type:	MCE 0.8	μm pore size			
-	NIOSH 740			Crati	cule Field A			00785	-		
LOD.	5.5 fib	ers/100 ne	eius	Giali	cule Fleid A	rea mm .	0.	00765	-		
Lab	Client		Flow	Collection	n Volume	Sami	ole Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detection	Fiber		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)		_	
9-43	9-4 3	· ·	4.80	240	1152	12	100	0.0023	(f/cm ³) 0.0043		
9-4 3	9-4 3	385	4.00	240	1152	12	100	0.0023	0.00) 43	
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					┨────		l				
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Note:	No part of t	hic ronor	may be re	nroduoo	d avaant in	s full with	out the writ	ten permissio	n of DCI		
Note.	NO Part Or ti	iis report	may be re	produce	и, ехсері п	i iuii, witi	iout the writ	teri perillissio	II 01 P31.		
Camana anta:											
Comments.											
Analyst ·					Г	Departme	nt Manager :				
maryot.		John S	Starr		_	- spartine	in managel .		Sherri Joi	nes	
		501111	J.a.i						5.15.11 001	.55	



AIRBORNE FIBER CONCENTRATION REPORT OF ANALYSIS

Name:	Jackson Coun	ty Public W	orks/Piper V	Vind Archite	ect						
Address:	303 West Wa	Inut Street									
City:	Independence		State:	MO	Zip Code:	64050					
Contact:	Earl Knoll										
.											
Project ir	nformation							Da	ite Collected:	9/5/	2012
Project S	Site Location:	102 North I	Main						ite Received:		2012
	roject Name:			ic Court Hou	use				Date Analyzed: 9/6		
	ject Number:				h Number:				te Reported:		
				-				_	·		
Sample I	nformation	Do	not enter field	blank informa	tion in this secti	on.	Blank Inf	ormation	Blanks entered in	n this sectio	n apply only
								to samples	listed in the "Sam		ion" section.
Lab #	Client #		Loca	tion/Desci	ription		Lab #	Client #	fibers	fields	fibers/field
9-5 3	9-5 3		ruman Cour				9-5 1	9-5 1	2	100	0.020
9-5 4	9-5 4	1st Floor R	estroom by	east stairs			9-5 2	9-5 2	2	100	0.020
								-			
								-			
										-	
								-			
][]								Average fib	ers/field	0.020
Method /	Filter Inform	ation		<							
Method:	NIOSH 740	0, Issue 2	, 8/15/94			Type:	MCE, 0.	8 μm pore si	ze		
	5.5 fib			Gratic	cule Field A						
•						•					
Lab	Client	(Flow	Collection	Volume	Samp	le Filter	Limit of	Airbo	orne	
Sample	Sample	ECA	Rate	Time	Collected	# of	# of	Detectio	III		
Number	Number	(mm ²)	(l/min.)	(min.)	(liters)	fibers	fields	(f/cm ³)	(f/c	m³)	
9-5 3	9-5 3	385 4.80 240			1152 15	15	100	0.0023	0.00	0055	
9-5 4	9-5 4	385	4.80	240	1152	13	100	0.0023	0.00	047	
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Note:	No part of t	his report	mav be re	eproduce	d. except ir	n full. with	out the wri	itten permis	sion of PSI.		
710107	no part or t		may bore		и, окоорен		<u> </u>	tton pomio	<u> </u>		
Comments	:										
Analyst :		John S			_	Departmer	nt Manager	: <u></u>			
		John S	Starr						Sherri Joi	nes	