2027.07 Name / Client / Address: Northgate Environmental	MICRO ANALYTICAL L. 5900 Hollis St., Suite M, Er (510) 653-0824 - (510) 6	neryville, CA 946	08 Albertos		1 4	3808
300 Frank H. Ogawa Plaza, Suite		(TEM)	NIOSH 7	400		
510 Oakland, CA 94612	Tronox	LLC	Asbestos			
			Lead Only_	2		· · · · · · · · · · · · · · · · · · ·
			Metals (Specify)			
Γel. (510) 839-0688			 Mold, Non-\			
Fax (510) 839-4350	Job No. 2027.07		Other			<u></u>
-mail ted.splitter@ngem.com	<u> </u>		(0			-
			Number of S	Samples		Around Ti
			8	·	3-5 D	AYS
Micro ID # For Lab Use Only) Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Si
FB-1-08262010	Upwind Station Field Blank	08/26/2010	:: :	0.0	0.00	0.80
FB-2-08262010	Downwind Station Field Blank	08/26/2010	: : :	0.0	0.00	0.80
UW-08262010	Upwind Station	08/26/2010	19:25 28:22 537	2.0		0.80
DW-08262010	Downwind Station	08/26/2010	19:47 28:41 534	2.0	1,068.00	0.80
FB-1-08272010	Upwind Station Field Blank	08/27/2010	: : :	0.0	0.00	0.80
FB-2-08272010	Downwind Station Field Blank	08/27/2010	: :	0.0	0.00	0.80
UW-08272010	Upwind Station	08/27/2010	19:21 26:30 429	2.0	858.00	0.80
DW-08272010	Downwind Station	08/27/2010	19:40 26:58 438	2.0	876.00	0.80
			: :		0.00	
		namental service servi	: : :		0.00	
structions / Comments: nple Return: YES NO If "YES" "NO" is checked, solid samples may be disponda Bailey	Fax			f required.		
npler's Signature / Name	Description of the Part of Co.		ny samples are not acc	eptable, rec	ord reasons fo	or rejectio
Tumer of James	Date / Time Drop Box / Co	Receive	d By		Da	ate / Time

Client ID#

Log in # [143808]	
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2027.07 Name / Client / A Northgate Env	ddress:	•	SAL LABORATO uite M, Emeryville, CA 946 824 - (510) 653-1361 - FAX	•	Log i	C. L.	409
	Ogawa Plaza, Suite	···	Project	(TEM)	NIOSH 7	400	
510 Oakland, CA	94612	Tı	ronox LLC	Asbestos			
				Lead Only			
National mediterishidas only patrick and all in the difference and so that	nti tani tani katiga mengangan dangan katigan katigan katigan katigan katigan katigan katigan katigan dan dan			Metals			
Tel. (510) 83	9-0688			(Ѕреспу)	VE		19970
Fax (510) 83		Job No. 2027.0	7	Mold, Non-	-Viable		
	er@ngem.com	- Particular de la companya del la companya de la c	The state of the s	Other (Specify)			
		_		Number of	Samples		round Time
Micro ID # (For Lab Use On	(y) Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
o i	FB-1-08262010	Upwind Station Field Blank	08/26/2010	:: :	0.0	0.00	0.80
02	FB-2-08262010	Downwind Station Field Blan	08/26/2010	: :	0.0	0.00	0.80
on	UW-08262010	Upwind Station	08/26/2010	19:25 28:22 537	2.0	1,074.00	0.80
orf	DW-08262010	Downwind Station	08/26/2010	19:47 28:4° 534	2.0	1,068.00	0.80
CF	FB-1-08272010	Upwind Station Field Blank	08/27/2010	: :	0.0	0.00	0.80
e,	FB-2-08272010	Downwind Station Field Blan	08/27/2010	; ;	0.0	0.00	0.80
8	UW-08272010	Upwind Station	08/27/2010	19:21 26:30 429	2.0	858.00	0.80
og	DW-08272010	Downwind Station	08/27/2010	19 ; 40 26 ; 58 438	2.0	876.00	0.80
744, 3, 444		100 C		: :		0.00	
	Solid Control of the			: :		0.00	
nstructions / Co	mments:	Fax 🚺 E-mail To:	ted.splitter@nge	em.com			
Ronda Bailey	, solid samples thay be disp	is checked, samples will be retosed of within three profits (one	week for liquid samples, lal	suspensions, and dig	estates).		***************************************
ampler's Signatu	re / Name	and say Drav	Note to Lab: If Box / Courier	any samples are not a			or rejection.
elinquished By	Joine 1	Date / Time	Receiv	ed By	0 10	10:00 Da	ate / Time
Relinquished By		Date/Time	Receive	и ву		Da	ite / Time

Client ID# 2027.07

MICRO ANALYTICAL LABORATORIES, INC.

Log in # [1429/9]

Name / Client / Address: Northgate Environmental			5900 Hoffis St., Suite M, Emer (610) 653-0824 - (610) 653-1		В	LOG II	"(17/	000
	· · · · · · · · · · · · · · · · · · ·	ronmental Ogawa Plaza, Suite	Project		Asbestos (TEM)	NIOSH 74	100	
510	and, CA		Tronox LL	.C	Asbestos		***************************************	
Odin	and, on c	777.14	***************************************		Lead Only			
***************************************					Metals (Specify)			
Tel.	(510) 839			······································	 Mold, Non-			
Fax	(510) 839	9-4350	Job No. 2027.07		Other		*****	
E-mai	ted.splitte	er@ngem.com			(Specify)			
					Number of 8	•	Tum-A 3-5 D/	round Time AYS
	o ID # Lab Use Onl	y) Client Sample ID#	Description	Date Sampled	Time Sampled Start / Stop / Total Minutes	Average LPM	Total Liters	Filter Pore Size
	A	FB-1-08262010	Upwind Station Field Blank	08/26/2010	:: :	0.0	0.00	0.80
	or	FB-2-08262010	Downwind Station Field Blank	08/26/2010	: :	0.0	0.00	0.80
	cn	UW-08262010	Upwind Station	08/26/2010	19:25 28:22 537	2.0	1,074.00	0.80
	orj	DW-08262010	Downwind Station	08/26/2010	19:47 28:41	2.0	1,068.00	0.80
	05	FB-1-08272010	Upwind Station Field Blank	08/27/2010	: :	0.0	0.00	0.80
	c,	FB-2-08272010	Downwind Station Field Blank	08/27/2010	: :	0.0	0.00	0.80
	9	UW-08272010	Upwind Station	08/27/2010	19:21 26:30 429	2.0	858.00	0.80
	og	DW-08272010	Downwind Station	08/27/2010	19 : 40 26 : 58 438	2.0	876.00	0.80
					: :		0.00	
					: : :		0.00	The seasons of the se
Inetru	ctions / Co	mmente:	Fax F. E-mail To: ted.spli	itter@nae	m.com			
injou u	cuona i co	intrones.	Tax y Landing.					
If "NO	Return: YI is checked, Bailey	NO If "YES solid samples may be disp	" is checked, samples will be returned to the cosed of within three points (one week for liq	client or archive uid samples, lab	l at Micro Analytical suspensions, and dig	if required.		
	r's Signatu	re / Name	(KIST)	Note to Lab: If	y samples are not a	cceptable, rec	ord reasons fo	or rejection.
J.	record	at our	05/27 12:14 Drop Box / Coun	7	K- 83	6/10	10:00	
renngt	u smai By		Date / Time	Receive	ed By	`	Da	ate / Time
Relinq	uished By		Date/Time	Receive	d B)	***	Da	ate / Time

MICRO ANALYTICAL LABORATORIES, INC. PHASE CONTRAST MICROSCOPY



1027

Northgate Environmental Management 300 Frank H. Ogawa Plaza Suite 510 Oakland, CA 94612

Technical Supervisor:

PROJECT: TRONOX LLC JOB NO. 2027-07 Micro Log In 143808

LM

Total Samples 8

Date Sampled 08/26/2010

Date Received 08/30/2010

Date Analyzed 08/30/2010

Sample ID		Fiel	Field Data Lab Data		ata	Fibers / cc	Limits		
Client:	FB-1-08262010	1						LCL	UCL
Micro: 1	143808-01	8/26/2010	Time		Fibers	0			
	STATION		Rate		Fields	100		LOD	LOQ
FIELD B	LANK		Liters		F/mm²	< 7.0			
								CV	0.47
Client:	FB-2-08262010)						LCL	UÇL
Micro: 1	143808-02	8/26/2010	Time		Fibers	0			
	IND STATION		Rate		Fields	100		LOD	LOQ
FIELD B	LANK		Liters		F/mm²	< 7.0			
								CV	0.47
Client:	UW-08262010		<u> </u>					LCL	UCL
Micro:	143808-03	8/26/2010	Time	537	Fibers	12.5		0.003	0.009
UPWIND	STATION		Rate	2.0	Fields	100	0.006	LOD	LOQ
			Liters	1074.0	F/mm²	15.9		0.003	0.036
								CV	0.25
Client:	DW-08262010		1					LCL	UCL
Micro:	143808-04 LM	8/26/2010	Time	534	Fibers	6.5		0.002	0.004
DOWNW	IND STATION		Rate	2.0	Fields	100	0.003	LOD	LOQ
			Liters	1068.0	F/mm²	8.3		0.003	0.036
								CV	0.25
Client:	FB-1-08272010)						LCL	UCL
Micro:	143808-05	8/27/2010	Time		Fibers	0			
	STATION		Rate		Fields	100		LOD	LOQ
FIELD B	LANK		Liters		F/mm²	< 7.0			
				1				CV	0.47

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 101768. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., issue 2 of Rev. 3, 8/15/1994). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm2. Limits of quantification for optimal precision and accuracy are 100 (LOO) and 1908 fibers/mm2. The 95% LOCL and LCL (Upper and Lower Confidence Limits of the two-stided 95% Confidence Interval) represent the highest and lowest expected concentrations (in fibers/col) given fiber rount, beased on the reported concentration. Intraballomatory coefficients of vertaintin (CV) for various Bher loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + [1.445 x CV x Standard)). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute, 8 Hour TWA. calculated time weighted average concentration (in fibers/col) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary slightlifornity from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total time sless than 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary slightlifornity from responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing those analytical results. This report shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm2. WA = not applicable.

Page 2 of 2

MICRO ANALYTICAL LABORATORIES, INC.

PHASE CONTRAST MICROSCOPY

1027

Northgate Environmental Management 300 Frank H. Ogawa Plaza Suite 510 Oakland, CA 94612 PROJECT: TRONOX LLC JOB NO. 2027-07 Micro Log In 1

143808

Total Samples 8

Date Sampled

08/26/2010

Date Received

08/30/2010

Date Analyzed 08/30/2010

Sample ID		Sample ID Field Data		Lab [ata	Fibers / cc	Limits		
	FB-2-08272010 143808-06 MIND STATION BLANK	8/27/2010	Time Rate Liters		Fibers Fields F/mm²	0 100 < 7.0		LCL LOD CV	UCL LOQ 0.47
	UW-08272010 143808-07 D STATION	8/27/2010	Time Rate Liters	429 2.0 858.0	Fibers Fields F/mm²	3.5 100 < 7.0	< 0.003	LCL 0.000 LOD 0.003 CV	UCL 0.006 LOQ 0.045 0.47
Client: Micro: DOWN	DW-08272010 143808-08 WIND STATION	8/27/2010	Time Rate Liters	438 2.0 876.0	Fibers Fields F/mm²	4.5 100 < 7.0	< 0.003	LCL 0.000 LOD 0.003 CV	UCL 0.006 LOQ 0.044 0.47

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 101768. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/15/1949). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibera/mm2. Limits of quantification for optimal precision and accuracy are 108 (LOD) and 1300 fibera/mm2. The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and lowers expected concentrations of fibera/cyclo five fibera over, these on the repented concentration. Intraboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compliance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + (1.845 x CV) x Standard). Concentrations are field blank-corrected. Time is in minutes, flow rate is in filters per minute, 8 Hour TWA: calculated time weighted average concentration (in fiberacy) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary algnificantly from reported TWA values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours, are concentration in assumed for remaining time if no information is given. Micro Analytical Laboratories, inc., shall not be reproduced except in full, and pertains only to the samples analyzed. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Micro Analytical Laboratories, inc., shall not be responsible for clients' deviations from any prescribed sampling perameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm2. WA = not applicable.

MICRO ANALYTICAL LABORATORIES, INC. PHASE CONTRAST MICROSCOPY



1027 Northgate Environmental Management 300 Frank H. Ogawa Plaza Suite 510 Oakland, CA 94612

PROJECT: TRONOX LLC JOB NO. 2027-07 Micro Log In 143808

Total Samples 8

Date Sampled 08/26/2010

Date Received 08/30/2010

Date Analyzed 08/30/2010

FB-1-0826201 3808-01 TATION NK	8 /26/2010	Time Rate		T			LCL	UCL
TATION	8/26/2010				1			004
		Rate		Fibers	0			
••••		11210		Fields	100		LOD	LOQ
		Liters		F/mm²	< 7.0		}	
							CV	0.47
FB-2-0826201	0						LCL	UCL
3808-02	8/26/2010	Time		Fibers	0			
D STATION NK		Rate		Fields	100		LOD	LOQ
		Liters		F/mm²	< 7.0			
							cv	0.47
UW-08262010							LCL	UCL
3808-03	8/26/2010	Time	537	Fibers	12.5		0.003	0.009
UPWIND STATION		Rate	2.0	Fields	100	0.006	LOD	LOQ
		Liters	1074.0	F/mm²	15.9		0.003	0.036
							CV	0.25
							LCL	UCL
	8/26/2010	Time		Fibers	6.5		0.002	0.004
D STATION		Rate	2.0	Fields	100	0.003	LOD	LOQ
		Liters	1068.0	F/mm²	8.3		0.003	0.036
							CV	0.25
)						LCL	UCL
	8/27/2010	1		Fibers	0			
TATION NK		1		Fields	100		LOD	LOQ
		Liters		F/mm²	< 7.0			
			,				CV	0.47
cal Supervisor:	1	1	The state of the s	8/3 0/ 2(010 Δn	alvst:	.M	
	UW-08262010 3808-03 TATION DW-08262010 3808-04 LM D STATION FB-1-08272010 3808-05 FATION	UW-08262010 3808-03 8/26/2010 TATION DW-08262010 3808-04 LM 8/26/2010 D STATION FB-1-08272010 3808-05 8/27/2010 TATION Cal Supervisor:	Liters Liters	UW-08262010 3808-03	UW-08262010 Time 537 Fibers F/mm²	Liters F/mm² < 7.0	UW-08262010 3808-03	Liters F/mm² < 7.0 CV

AIHA IHLAP LABORATORY Accreditation / PAT ID No. 101768. Samples are analyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., Issue 2 of Rev. 3, 8/15/1994). The "A" Rules are used, unless otherwise noted. The limit of destortion (LOD) is 7 fibers/mm2. Limits of quantification for optimal practision and securecy are 100 (LOD) and 1300 fibers/mm2. The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-sided 95% Confidence Interval) represent the highest and flowest expected concentrations fin fibers/co/ for a given fiber count, based on the reported concentration. Intralaboratory coefficients of variation (CV) for various fiber loadings are reported. Limits for compilance testing may be calculated by the client, using the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + 1; 6.45 x CV x Standard). Concentrations are field blank-corrected. Time is in minutes, flow rate is in liters per minute. B Hour TWA: calculated time weighted average concentration (in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from responsibility values. The 8 hour TWA may not be statistically accurate for actual total times less than 8 hours; zero concentration is assumed for remaining time if no information is given. Micro Analytical Laboratories, line, assumes no responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise inclicated on this report, all required Quality Control samples have been determined to be in control prior to reference analytical Laboratories, inc., shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The isboratory's verifiability of results is limited to fibers per minz. N/A = not applicable.

Page 2 of 2

MICRO ANALYTICAL LABORATORIES, INC. PHASE CONTRAST MICROSCOPY



1027 Northgate Environmental Management 300 Frank H. Ogawa Plaza Suite 510 Oakland, CA 94612

PROJECT: TRONOX LLC JOB NO. 2027-07 Micro Log In 143808

Total Samples 8

Date Sampled 08/26/2010

Date Received 08/30/2010

Date Analyzed 08/30/2010

Sample ID			Field Data		Lab Data		Fibers / cc	Limits		
	FB-2-08272010 143808-06	8/27/2010	Time	Management All National Assessment and Assessment Asses	Fibers	0		LCL	UCL	
DOWNWIND STATION FIELD BLANK			Rate Liters		Fields F/mm²	100 < 7.0		LOD	LOQ	
Client:	UW-08272010							CV	0.47	
	143808-07 D STATION	8/27/2010	Time Rate Liters	429 2.0 858.0	Fibers Fields F/mm²	3.5 100 < 7.0	< 0.003	LCL 0.000 LOD 0.003	UCL 0.006 LOQ 0.045	
	DW-08272010 143808-08	8/27/2010	Time	438	Fibers	4.5		LCL 0.000	0.47 UCL 0.006	
DOWNW	WIND STATION		Rate Liters	2.0 876.0	Fields F/mm²	100 < 7.0	< 0.003	LOD 0.003 CV	LOQ 0.044 0.47	

AlHA IHLAP LABORATORY Accreditation / PAT ID No. 101768. Samples are enalyzed using the NIOSH 7400 Method (NIOSH Manual of Analytical Methods, 4th Ed., issue 2 of Rev. 3, 8/15/1934). The "A" Rules are used, unless otherwise noted. The limit of detection (LOD) is 7 fibers/mm2. Limits of quantification for optimal precision and accountry are 100 (LOD) and 1300 fibers/mm2. The 95% UCL and LCL (Upper and Lower Confidence Limits of the Two-study Represent the highest and lowest expected concentrations, in the part of the CV and an appropriate regulatory standard, e.g. UCL = (Concentration + 11.646 x CV x Standard). Concentrations are field blank-corrected. In intrustes, flow rate Is in liters per minute. 8 Hour TWA: calculated time weighted everage concentration in fibers/cc) based on 8 hours. Note: due to method variability, 95% LCL and UCL for the TWA may vary significantly from responsibility for clients' interpretation of any requested TWA data or calculations in this report. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. This report shall not be reproduced without the approval of Micro Analytical Laboratories, inc., shall not be responsible for clients' deviations from any prescribed sampling parameters. Air volumes are based on client data. The laboratory's verifiability of results is limited to fibers per mm2. N/A = not applicable.