EXHIBT W.



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July 17, 2003

Andrew Kawczak
Environmental Manager
Taconic
136 Coonbrook Road
Petersburgh, New York 12138

RE: Industrial Hygiene Monitoring – PFOA Adirondack Project No. 030514EA

Dear Mr. Kawczak:

Adirondack Environmental Services, Inc., (Adirondack) was pleased to provide exposure monitoring at your facility on June 3, 2003. This monitoring took place during day-shift operations and involved quantifying employee exposures to perfluorooctanoic acid (PFOA). The monitoring was performed by myself, and included personal exposure monitoring on two Furnace Operators, the Dispersion Mixer, and two general areas. Two bulk waste samples were also analyzed for PFOA. Bulk samples included breech waste from Building #4, and Mayer saw cuttings. Analysis of the samples collected failed to detect any PFOA above the limits of detection.

There is currently no validated sampling and analytical method for PFOA. Adirondack has successfully analyzed for PFOA in the past using methodologies developed in-house, however, this method may not have been sensitive enough to detect small quantities of PFOA that may have been present in the samples. If further testing for PFOA is required, Adirondack recommends trying alternative sampling/analytical methodologies to help improve the chances of PFOA detection (if present) for both the air and bulk samples.

The laboratory analysis results with chain of custody documentation and the air sampling field data sheets are presented in Attachment A and B, respectively.

If you have questions regarding this report or the assessments from which it was generated, please feel free to give me a call so we may discuss them. Thank you for choosing Adirondack for your industrial hygiene needs.

Yours truly,

ADIRONDACK ENVIRONMENTAL SERVICES, INC.

D. Cameron Steuer, MS, CIH

Manager - Industrial Hygiene and Safety Services

Enclosures



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INDUSTRIAL HYGIENE SURVEY

Per fluoro octanic Acid (PFOA) – Ovens and Dispersion Mixing

TACONIC Petersburg, New York

April 2003

Prepared for:

Taconic

136 Coon Brook Road Petersburg, NY 12138

Prepared by:

Adirondack Environmental Services, Inc.

314 North Pearl Street Albany, NY 12207

Adirondack Project No. 030514EA



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EXECUTIVE SUMMARY

Adirondack Environmental Services (Adirondack) performed a combination of personal and area exposure air monitoring during first shift oven-coating and dispersion mixing operations. The purpose of the air monitoring was to quantify employee and area exposure to perfluorooctanoicacid (PFOA), a surfactant used to aid in the polymerization of fluoropolymer resins used in manufacturing Teflon™ type coatings. Employees monitored included two Oven Operators and the Dispersion Technician. Areas monitored included the top of the Building #4 ovens, and next to the Building #4 Smog Hog. Sampling took place during day shift operations, and were reported to be reflective of "typical" conditions. Adirondack also analyzed two bulk waste samples for PFOA. These materials included breech waste from the furnaces in Building #4, and mixed cutting from the Mayer saw. Both of these waste materials are believed to contain bi-products of materials, which had been created using PFOA.

PFOA was not found above detectable limits in any of the samples collected. Reasons for non-detection could include; no PFOA was present in the samples, PFOA was present but below the limits of detection, PFOA was chemically bound with other polymers in the sample, or the analysis protocol was insensitive to the altered molecular structure of the PFOA.

RECOMMENDED PLAN OF ACTION

The following recommendations are provided for consideration.

- Inform all affected employees of these air sampling results. Maintain these exposure records for a minimum of 30 years, as is required in 29 CFR 1910.1020, Access to Medical and Exposure Records. This report and the attached forms can be used to help meet these requirements.
- If further monitoring is desired, Adirondack recommends developing an alternative method for PFOA analysis. This "new" analysis method could be tailored to be more sensitive to lower levels of PFOA.
- The MSDS for pure PFOA indicates exposure can occur via absorption through unprotected skin. Although PFOA is only a minor component in some dispersion chemicals used, as a best management practice, Adirondack recommends persons handling the un-polymerized products wear appropriate chemical resistant gloves and eye/face protection until the product is fully bound.
- Perform additional monitoring following any changes to process or engineering controls.



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July 17, 2003 Taconic Adirondack Project No. 030514EA Page 2

BACKGROUND

PFOA belongs to a family of fluoropolymer chemicals used for years as a dispersant in the manufacturing of coated metal and glass cloth. Recent studies have found that chemicals in this family of compounds may be persistent in the environment and could exhibit toxicological effects in animals. Taconic utilizes dispersants that contain small quantities of PFOA. As a proactive approach to safety, Adirondack was asked to perform employee exposure monitoring on employees that utilize products potentially containing residual PFOA. Cameron Steuer MS, *CIH from Adirondack performed this monitoring on June 3rd, 2003.

EXPOSURE EVALUATION

Air Samples

Scott Burt - Dispersion

Scott Burt worked as a Dispersion Technician during the monitoring period. During this time period Mr. Burt mixed dispersion products with an electric mixer. He also hand cleaned mixing equipment and drums, transported mixed product to the ovens, and performed general housekeeping. Some of the dispersion chemicals utilized by Mr. Burt contain small quantities of PFOA. During "dusty" or "nasty gas" mixing evolutions Mr. Burt wears a full-face respirator equipped with combination P-100 and acid/ov-gas cartridges. The monitoring period occurred over a 447-minute period, but work performed was reportedly somewhat slower than normal.

Sample analysis indicates Mr. Burt had no detectable exposure to PFOA during the time period monitored.

Alan Humphrey — Oven Operator

Alan Humphrey worked as an Oven Operator in Building #5 during the time period monitored. Mr. Humphrey loaded and unloaded product from the rolling/coating ovens. Other job activities performed included troubleshooting problems with the coating operation, adjusting the coating settings, and cleaning pumps and the coating equipment. During the shift three narrow and one wide oven were in operation, however only the narrow ovens were coating product. The monitoring period occurred over a 405-minute period, and was reported as typical of a shift.

Sample analysis indicates Mr. Humphrey had no detectable exposure to PFOA during the time period monitored.



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July 17, 2003 Taconic Adirondack Project No. 030514EA Page 3

EXPOSURE EVALUATION, CONTINUED

Air Samples, Continued

Tony Bourn - Oven Operator

Tony Bourn worked as an Oven Operator in Building #4 during the time period monitored. Mr. Bourn loaded and unloaded product from the rolling/coating ovens. Other job activities performed included troubleshooting problems with the coating operation, adjusting the coating settings, and cleaning pumps and coating equipment. During the shift five of the six ovens were operating. Visible smoke was observed coming out of the top of ovens #11 and #12. Mr. Bourn was monitored over a period of 401 minutes, and reportedly performed work typical of a "normal" shift.

Sample analysis indicates Mr. Bourn had no detectable exposure to PFOA during the time period monitored.

Building #4 Area Sample #1

An area air sample was collected from the top of the catwalk above the ovens on the south end of building #4. Five of the six ovens were operating at the time of the monitoring. Smoke was observed coming out of the tops of the #11 and #12 ovens. The sampling location was chosen such that it would be downwind of the ovens and capture worst-case exposure conditions.

Sample analysis indicates no PFOA was detected in the sample.

Building #4 Area Sample #2

An area air sample was collected from the top of the Smog Hog (fan end), on the south end of the building. The sampling location was chosen such that it would be downwind of the prevailing air currents in the building and represent a worst-case exposure area. An exhaust fan was located above the monitoring location. The fan operated in the morning, but only periodically for the rest of the day.

Sample analysis indicates no PFOA was found in the sample.



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EXPOSURE EVALUATION, CONTINUED

Bulk Samples

Two bulk samples were collected for analysis of PFOA content. One sample was of Breech waste collected from the Building #4 Oven Room. Andrew Kawczak collected this sample on April 11th, 2003. A second bulk sample was taken from the Mayer Saw waste cuttings drum.

Sample analysis indicates no PFOA was detected in either sample.

EXPOSURE LIMITS

Neither the Occupational Safety and Health Administration (OSHA) nor the American Conference of Governmental Industrial Hygienists (ACGIH) have established recommended limits for PFOA exposure. 3M has recommended an exposure limit of 0.1 mg/m³ for PFOA. ACGIH has established a 0.01 mg/m³ threshold limit value (TLV) for ammonium perfluorooctanoate (APFO), which is a similar 8-carbon member of the same chemical family, but not the same material.

SAMPLING/ANALYSIS PROCEDURES

Adirondack was unable to find a specific sampling protocol for collection of PFOA in air. In accordance with a generic PFOA material safety data sheet (MSDS), the material is a solid with a low vapor pressure. The material was therefore treated as a solid and collected on polyvinyl chloride (PVC) filters with a 5.0 um pore size. These filters were chosen to help facilitate high sample recovery and minimal interferences during analysis. The filters were connected to Gilian, GilAir 5 personal air sampling pump and a length of Tygon tubing. The pump was calibrated on site before and after the survey using a *Bios DC-1 Dry Cell Flow Calibrator*. The air pump was placed on the employee's belt and the sampling tube attached to the front portion of the shoulder inside the worker's breathing zone (12 inches from his nose and mouth area). A known volume of air was then drawn through the tubes to capture particulate PFOA. The air pumps remained on and running during the entire time the employee worked. See Air Sampling Data Sheets for specific calibration and pump information.

The samples were submitted to Adirondack's laboratory for analysis. Adirondack is an AIHA accredited lab (#100307). Samples submitted were analyzed using an in-house method based on the analysis of chlorinated organic acids. In this method, the sample cassette filter is placed in a vial containing diethylether, then shaken for 30 minutes. The diethylether is then removed and concentrated into toluene. 0.8 ml of methanol and 10 ul of 2m(trimethyl silyl) diazomethane is then added, and the mixture placed into a water bath at 60°C for an hour. The solution is then removed and 1g of silicic acid is added and mixed. 10 ml of deionized water is than added and



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mixed. The toluene layer is then harvested and analyzed for PFOA by GC/ECD using a dual DB-5 and ASPB-608 column (spilt injection) using pure PFOA (98%) uses as a standard for detection.



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PFOA EXPOSURE RESULTS

Date of Survey:

June 3, 2003

Equipment:

Gilian GilAir5 air sampling pumps calibrated before and after the

survey using a Bios DC-1 Dry Cell Flow Calibrator, Serial Numbers

S3063 and B3132.

Method of Collection:

Air was drawn through a PVC 5.0 um filter.

Method of Analysis:

In-House

Sample	Time & Duration	Exposure Over Time Period Monitored (mg/m³)	OSHA PEL (mg/m³)	ACGIH TLV* (mg/m³)	3M REL** (mg/m³)
G15	0748-1515				
Scott Burt	447 min.	< 0.0131	None	0.01 mg/m^3	0.1 mg/m^3
Dispersion					
G13	0748-1214			100000000	900
Alan Humphrey	1245-1504	< 0.0145	None	0.01 mg/m^3	0.1 mg/m^3
Oven Operator	405 min.				
G14	752-1255	2000			N8 WO 12
Tony Bourn	1326-1504	< 0.0147	None	0.01 mg/m^3	0.1 mg/m^3
Oven Operator	401 min.				
G17					
Area Above	0814-1504	< 0.0147	NA	NA	NA
Building #4	410 min.				
Ovens					
G16					
Area Next to	Area Next to 0820-1504 < 0.0140		NA	NA	NA
SmogHog,	404 min.				
Building #4					
Blank	NA	<10 ug	NA	NA	

^{*} TLV for Ammonium perfluorooctanoate (APFO)

^{**} Recommended Exposure Limit established by manufacturer



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Industrial Hygiene Survey Results

Employee Name:	Scott Burt (XXX-XX-5956)		
Date of Survey:	June 3, 2003	1	
Exposure:	PFOA	1	
a safe and healthy exposure assessm	med with employee health and safety. It work environment, we asked that you lent to monitor your exposure to perfluctormal duties. We wish to share with you	participate in an industroroctanoic acid (PFOA	rial hygiene .) while you
Parameter	Exposure During the Time Period	OSHA Limit	Your
, aramour	Sampled	0022.7	Exposure
PFOA	<0.0131 mg/m ³	None	NA
	ecupational Safety and Health Admir		
OS	rmissible Exposure Limit. Based upon SHA's legal limit over which employee propriate personal protective equipmen	s cannot be exposed wit	
TWA Ti	me Weighted Average. Result extrapo	lated over time period r	nonitored.
Note to worke	r: No PFOA was detected in yo	ur sample.	
		Date:	

Employee Signature

Taconic Representative

Date:



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Industrial Hygiene Survey Results

Employee Nam Date of Survey: Exposure:	* * · ·		
a safe and healt exposure assess	erned with employee health and safety. In the work environment, we asked that you seement to monitor your exposure to perflue to mormal duties. We wish to share with your exposure to perflue to the wish to share with your exposure.	participate in an industoroctanoic acid (PFOA	trial hygiene A) while you
Parameter	Exposure During the Time Period	OSHA Limit	Your
	Sampled		Exposure
PFOA	<0.0145 mg/m ³	None	NA
(Permissible Exposure Limit. Based upon DSHA's legal limit over which employees appropriate personal protective equipment Fime Weighted Average. Result extrapolation	s cannot be exposed with	ithout the use of
Note to work	ter: No PFOA was detected in you	ur sample.	
Employee Signa	iture	Date:	
		Data	

Taconic Representative



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Industrial Hygiene Survey Results

Employee Name Date of Survey:	: Tony Bourn (XXX-XX-0837) June 3, 2003	, -	
Exposure:	PFOA		
a safe and health exposure assessm	rned with employee health and safety. If y work environment, we asked that you nent to monitor your exposure to perfluctormal duties. We wish to share with you	participate in an industrococtanoic acid (PFOA	rial hygiene A) while you
Parameter	Exposure During the Time Period	OSHA Limit	Your
	Sampled		Exposure
PFOA	<0.0147 mg/m ³	None	NA
PEL PO	ccupational Safety and Health Admin ermissible Exposure Limit. Based upon SHA's legal limit over which employees opropriate personal protective equipment	n an 8-hour TWA exposed wit.	thout the use of
TWA T	ime Weighted Average. Result extrapo	lated over time period i	monitored.
Note to works	er: No PFOA was detected in yo	ur sample.	
		Date:	
Employee Signat	ure		

Taconic Representative

Date:

ATTACHMENT A

LABORATORY ANALYSIS REPORT WITH CHAIN OF
CUSTODY DOCUMENTATION



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July 01, 2003

IH Dept.

Taconic

Steuer, Cameron

TEL:

FAX:

RE: PFOA Personal/Environmental Monitoring

Order No.: 030606025

Dear IH Dept.:

Adirondack Environmental Services, Inc received 8 samples on 6/4/2003 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709 AIHA#: 100307

Tara Daniels

Laboratory Manager

Analytical Results for

Taconic

WorkOrder:

030606025

Client Reference:

PFOA Personal/Environmental Monitoring

Analyte	Co	Concentration		Qual Test Method	Date Analyzed /Analyst
	(ug)	(mg/m³) (ppm)	(ug)		
Client ID: G14	Lab ID: 001A	Date Sampled: 6/3/20	003	Media: Filter	Air Vol.(L): 681
Perfluorooctanoic acid	<10.0	<0.0147	· 10	Perfluorooctanoic	06/30/2003 TN
Perfluorooctanoic acid	<10.0	<0.0147	10	Perfluorooctanoic	06/30/2003 TN
Client ID: G13	Lab ID: 002A	Date Sampled: 6/3/20	003	Media: Filter	Air Vol.(L): 692
Perfluorooctanoic acid	<10.0	<0.0145	10	Perfluorooctanoic	06/30/2003 TN
Client ID: G17	Lab ID: 003A	Date Sampled: 6/3/20	003	Media: Filter	Air Vol.(L): 680
Perfluorooctanoic acid	<10.0	<0.0147	10	Perfluorooctanoic	06/30/2003 TN
Client ID: G16	Lab ID: 004A	Date Sampled: 6/3/20	003	Media: Filter	Air Vol.(L): 716
Perfluorooctanoic acid	<10.0	<0.0140	10	Perfluorooctanoic	06/30/2003 TN
Client ID: G15	Lab ID: 005A	Date Sampled: 6/3/20	003	Media: Filter	Air Vol.(L): 761
Perfluorooctanoic acid	<10.0	<0.0131	10	Perfluorooctanoic	06/30/2003 TN
Client ID: Blank	Lab ID: 006A	Date Sampled: 6/3/20	003	Media: Filter	Air Vol.(L): NA
Perfluorooctanoic acid	<10.0		10	Perfluorooctanoic	06/30/2003 TN
Client ID: Bulk #1	Lab ID: 007A	Date Sampled: 6/4/20	003	Media:	Air Vol.(L): NA
Perfluorooctanoic acid	<10.0		10	Perfluorooctanoic	06/30/2003 TN
Client ID: Bulk #2	Lab ID: 008A	Date Sampled: 6/3/20	003	Media:	Air Vol.(L): NA
Perfluorooctanoic acid	<10.0	-	10	Perfluorooctanoic	06/30/2003 TN

⁽a) Analysis indicates possible breakthrough; back section result is greater than % of the front section result.

General Notes:

Back sections were checked and showed no significant breakthrough.

<: Less than the indicated limit of detection (LOD).

^{--:} Information not available or not applicable.

Adirondack Environmental Services, Inc

Date: 01-Jul-03

CLIENT: Taconic 030606025 Lab Order: Project: PFOA Personal/Environmental Monitoring 030606025-001 Collection Date: 6/3/2003 Lab ID: Client Sample ID: G14 Matrix: AIR PQL Qual Units/ Analyses Result DF **Date Analyzed** 030606025-007 Collection Date: 6/4/2003 Lab ID: Client Sample ID: Bulk #1 Matrix: BULK Result PQL Qual Units DF Analyses **Date Analyzed** PERFLUOROOCTANOIC ACID GC Analyst: TN Perfluorooctanoic acid 6/30/2003 < 10.0 10.0 μg/g Lab ID: 030606025-008 Collection Date: 6/3/2003 Client Sample ID: Bulk #2 Matrix: BULK Analyses Result PQL Qual Units DF Date Analyzed PERFLUOROOCTANOIC ACID GC Analyst: TN Perfluorooctanoic acid < 10.0 10.0 µg/g 6/30/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

R - Rd D outside accepted recovery int

* - Value exceeds Maximum Contaminant Level

E - Value above quantitation range

Page 1 of 1



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REQUEST FOR INDUSTRIAL HYGIENE ANALYSIS

CLIENT NAME		16	PROJEC	TNAN	νE (L	ocation)	,				RS' (Names)		•	
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The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

YELLOW - Sampler Copy

WHITE - Lab Copy

PINK - Generator Copy

ATTACHMENT B
AIR SAMPLING FIELD DATA SHEETS



					CLIENT NAM	ΛE .	Teconic			
					PROJECT L	OCATION	Petersburg,	NY		
LEASE PR	RINT				SPECIFIC L	OCATION	Building #4			
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PERSON P	ERFORMING S	SAMPLING	-	SHIPPING D	ATE	SAMPLING	DATE	NIOSH SAMPLING METHOD		
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). Camero	n Steuer, MS	i, CIH		İ		6/3/2003	3		In House	
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rony Bourn										
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TASK/OPEF	RATION		PPE					ENG/WORK	PRACTICES	
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fonitor rollin	ng/coating oper	ations. Load/u	nload product.	Add coating of	chemicals to c	oater. Toubles	shoot problems	. Adjust settin	gs QA/QC	
Clean pumps	s and clean co	ating equipmen	t.							
Typical shift	reported. Som	ne smoke seen	coming from o	vens 11 and 1	2. Exhaust fa	n on periodical	lly,			
PRE-CALIBE						POST-CALIB	RATION	CALCULATIO	NS	
UMP MFG	Gilian GilAır5					PUMP MFG.	Gilian GilAir5	Average Pum	p Flow:	1.698
UMP No.	G14					PUMP No.	G14			L/min
LOCATION			~~			Access to the second of the second of the second of	Site			
FLOW RATE			Name ⁻	DCS					DCS	<u> </u>
		∠ L/min	Calibrator	BIOS DC-1 D			∠ L/min	Method	BIOS DC-1 [
1.714		cc/min	Date. 6/3/03	Time.	745	1.682 cc/min		6/3/2003	Time)
<u> </u>	T SAMD	LE INFORM	MATION	7	CLOCK TIM	<u></u>	SAMPLE			
PUMP	FIELD	TYPE	LOT		LOCK TIM			RESULT (DIR	ECT READ)	
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					CLIENT NAM	И <u>Е</u>	Teconic			
					PROJECT LOCATION Petersburg,			, NY		
LEASE PR	INT				SPECIFIC L	OCATION	Building #5			
PERSON PE	RFORMING	SAMPLING		SHIPPING D	ATE	SAMPLING	DATE	NIOSH SAMPLING METHOD		
ຕ ∍. Cameroi	n Steuer, MS	S, CIH				6/3/2003	,	In House		
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ven Operator Glasses, gloves										
lean pumps ypical shift i	and clean co reported. Thre	ating equipmer	it one wide oven	Add coating o			shoot problems	s. Adjust settings QA/QC		
RE-CALIBR	RATION			·		POST-CALIB	RATION	CALCULATIONS		
UMP MFG.	Gilian GilAır5	i				PUMP MFG.	Gilian GilAir5	Average Pump Flow: 1.709		
UMP No.	G13					PUMP No.	G13	L/min		
OCATION LOW RATE			Name	DCC		LOCATION		Name DCS		
LOW RATE		√ L/mın	Name: DCS Calibrator: BIOS DC-1 DryCal			FLOW RATE	✓ L/min	Name DCS Method BIOS DC-1 Dry Cal		
1 724		cc/min	Date: 6/3/03	Time:		1.694		6/3/2003 Time		
	SAMD	LE INFORM	MATION		LOCK TIM		CAMBLE			
PUMP	FIELD	TYPE	LOT				SAMPLE VOLUME	RESULT (DIRECT READ)		
NO.	NO	MEDIA	NO.	START	STOP	TIME (MIN.)	(LITER)			
13	G13	PVC Pre-Wei		7:48	12.14	266	454 594			
		Omega 5.0 ur		12.45	15 [.] 04	139	237.551			
		Lot#AZ02050	1-B3765			0	0			
	<u> </u>				TOTAL	405	692.145			
					TOTAL	405	092.145			
rerferen	ICES AND IH	COMMENTS	TO LAB			Supporting Sa	mple Field #			
						Supporting Sa	imple Fleto #			
						Blanks	,	<u> </u>		
						Bulks		•4		
2	<u> </u>			·		Other				
VIEWED	BY									
		PRINT			8=		SIGNATURE			



					CLIENT NAM	И <u>Е</u>	Teconic			5	
					PROJECT LOCATION Petersburg,			NY			
LEASE PR	INT				SPECIFIC L	OCATION	Building #4			3 / 22/2	
		-				and the second					
PERSON PE	RFORMING S	SAMPLING		SHIPPING D	ATE	SAMPLING	DATE	NIOSH SAM	NIOSH SAMPLING METHOD		
d o						1	•				
. Camero	n Steuer, MS	i, CIH				6/3/2003	3		In House		
							=,	<u></u>			
ONITORE	D EMPLOYEE	/ARFA			`			S.S. #			
			end hand rail, "	downwind" of	ovens.			0.0. #			
TITLE					DEPARTME	NT		<u> </u>			
			· · · · · · · ·				_	T ****			
TASK/OPER	RATION		PPE					ENG/WORK	PRACTICES		
won Heat-	~										
ven Heating	g										
NVIRONME	ENTAL CONDI	ITIONS AND N	IOTES			-		<u> </u>			
			core & SPACE								
Five of six ov	ens operating	during shift. S	Some "smoke" s	seen coming o	ut of the tops	of ovens 11 an	id 12. Reporta	idely due to on	e roll being		
			eing passed fo								
	ations reported					and the second s	<u> </u>		and the same of the same		
RE-CALIBR	RATION				- W	POST-CALIE	RATION	CALCULATIO	ONS		
UMP MFG	Gılıan GilAir5					PUMP MFG.	Gilian GilAir5	Average Pum	p Flow:	1.6575	
UMP No	G17		Ì			PUMP No	G17			L/min	
OCATION	Site		ľ			LOCATION	Site	İ			
LOW RATE			Name:	DCS		FLOW RATE	(CIRCLE ONE)	Name	DCS	_	
		✓ L/mın	Calibrator	BIOS DC-1 D	ryCal		∠ L/min	Method	BIOS DC-1	Ory Cal	
1 706		cc/min	Date 6/3/03	Time	745	1.609	cc/min	6/3/2003	3 Time	9	
	CAMD	LEINEODA	AATION		N OOK TIM		I				
PUMP		LE INFORM			CLOCK TIM	<u> </u>	SAMPLE	DECLII T (DIE	DECT DEAD)		
NO.	FIELD NO.	TYPE MEDIA	LOT NO	START	STOP	TIME (MIN.)	VOLUME	RESULT (DIF	(ECTREAD)		
17	G17	PVC Pre-Wei		8:14	15.04	410	(LITER) 679.575				
		Omega 5.0 ur		0.14	10.04	0					
		Lot#AZ02050		-		0				7.	
				· / · · · · · · · · · · · · · · · · · ·		0					
					TOTAL	410	679.575				
	•										
ITERFEREN	NCES AND IH	COMMENTS	TO LAB								
						Supporting Sa	ample Field #				
						Blanks	100- X 70-	·			
							00,00	3//			
			(9		34	Bulks					
						2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2000 10 500		1995		
						Other					
EVIEWED				· · · · · · · · · · · · · · · · · · ·	9		1 14 5m 1 5	. u 	- · · · · · · · · · · · · · · · · · · ·		
		PRINT					SIGNATURE				



						CLIENT NAI	И <u>Е</u>	Teconic		
ERSON PERFORMING SAMPLING Cameron Steuer, MS, C1H SHIPPING DATE 6/3/2003 In House S.S. # CAMPLING DATE 6/3/2003 In House S.S. # CALCULATIONS ASK/OPERATION PPE BENG/WORK PRACTICES POST-CALIBRATION PUMP NO G16 COATION Site COW RATE COMPRESS COW RATE COW RATE COMPRESS COW RATE						PROJECT L	, NY			
Cameron Steuer, MS, CIH	LEASE PR	RINT				SPECIFIC L	OCATION			
ONITORED EMPLOYEE/AREA Ailding #4 Oven Room, First floor, Southend atop the Smog Hog (fan end), under exhaust fan TLE DEPARTMENT BENGWORK PRACTICES SKYOPERATION PPE BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES CALCULATIONS PUMP MFG. Gilian GilAir5 PUMP No. G16 LOCATION Site LOCATION Site LOCATION Site LOCATION Site LOCATION Site LOCATION Site BOOK DESTRUCTION Date: 65/30/33 Time: 745 BENGWORK PRACTICES AVERAGE Pump Flow: 1 LOCATION Site LOCATION Site LOCATION Site LOCATION Site SAMPLE INFORMATION CLOCK TIME SAMPLE VOLUME (LITER) FIELD TYPE LOT MEDIA NO. START STOP TIME (MIN) CLOCK TIME VOLUME (LITER) FIELD Omega 5.0 um O Omega 5.0 um	ERSON PI	ERFORMING	SAMPLING	- 11-11-11	SHIPPING D	ATE	SAMPLING	DAŢE	NIOSH SAMPLING	METHOD
ONITORED EMPLOYEE/AREA Ailding #4 Oven Room, First floor, Southend atop the Smog Hog (fan end), under exhaust fan TLE DEPARTMENT BENGWORK PRACTICES SKYOPERATION PPE BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES BENGWORK PRACTICES CALCULATIONS PUMP MFG. Gilian GilAir5 PUMP No. G16 LOCATION Site LOCATION Site LOCATION Site LOCATION Site LOCATION Site LOCATION Site BOOK DESTRUCTION Date: 65/30/33 Time: 745 BENGWORK PRACTICES AVERAGE Pump Flow: 1 LOCATION Site LOCATION Site LOCATION Site LOCATION Site SAMPLE INFORMATION CLOCK TIME SAMPLE VOLUME (LITER) FIELD TYPE LOT MEDIA NO. START STOP TIME (MIN) CLOCK TIME VOLUME (LITER) FIELD Omega 5.0 um O Omega 5.0 um							1			
DEPARTMENT DEP	. Camero	n Steuer, MS	S, CIH				6/3/2003	3	In Ho	use
DEPARTMENT DEP	ONITORE	D EMPLOYER	:/AREA		10 - 17		· · · · · · · · · · · · · · · · · · ·		SS#	
DEPARTMENT DEPARTMENT SKNOPERATION PPE ENG/WORK PRACTICES				nend atop the S	Smog Hog (fan	end), under e	xhaust fan		0.0 #	
Average Post-Calibration P						7				
Average Post-Calibration P										
WIRONMENTAL CONDITIONS AND NOTES	SK/OPER	RATION	79 -	PPE					ENG/WORK PRACT	ICES
NAME DCS Name DCS Delibrator BiOS DC-1 DryCal Date: 6/3/03 Time: 745 Time MEDIA NO. START STOP Time MEDIA NO. MEDIA NO. DryCal										
POST-CALIBRATION CALCULATIONS Average Pump Flow 1	ren Opera	tion								
POST-CALIBRATION CALCULATIONS Average Pump Flow 1		ENTAL COND	ITIONS AND N	IOTES						
POST-CALIBRATION PUMP MFG Gilian GilAir5 Average Pump Flow 1										
MP MFG Gilian GilAir5 MP No. G16 CATION Site Site OW RATE	DE CALIDE	PATION				· · · · · · · · · · · · · · · · · · ·	TROST CALU	PRATICAL	CALCULATIONS	
DATE DATE			5) i			1 7725
Name DCS			,						, wordgo i amp i iou	L/min
1738				Ì			T .			
1738	OW RATE						FLOW RATE	r		2015 01
PUMP NO	1 738	3	_				1 807			
FIELD TYPE NO. MEDIA NO. START STOP TIME (MIN.) VOLUME (LITER)									5,0,200	
NO FIELD TYPE LOT NO. START STOP TIME (MIN.) VOLUME (LITER) 6 G16 PVC Pre-Wei H2NN02628 8·20 15·04 404 716.09 Omega 5.0 um	PUMP		T			CLOCK TIM	E	ì	DEOLU T (DIDEOL T	- AD)
6 G16 PVC Pre-Wei H2NN02628 8·20 15·04 404 716.09 Omega 5.0 um 0 0 0 Lot#AZ020501-B3765 0 0 0 TOTAL 404 716.09 TERFERENCES AND IH COMMENTS TO LAB Supporting Sample Field # Blanks Bulks Other		AP			START	STOP	TIME (MIN.)		RESULT (DIRECT RI	=AU)
Lot#AZ020501-B3765	6	G16			8:20	15 [.] 04		0 0 1400 2 160		*
ERFERENCES AND IH COMMENTS TO LAB Supporting Sample Field # Blanks Bulks Other		-	† 							· · · · · · · · · · · · · · · · · · ·
ERFERENCES AND IH COMMENTS TO LAB Supporting Sample Field # Blanks Bulks Other		 	LUI#AZ.UZU5U	1-00/00				0		
ERFERENCES AND IH COMMENTS TO LAB Supporting Sample Field # Blanks Bulks Other						TOTAL		716.09		
Supporting Sample Field # Blanks Bulks Other										
Blanks Bulks Other	ERFERE	NCES AND IH	COMMENTS	TO LAB	-					1000 B
Bulks							Supporting Sa	ample Field #		
Other							Blanks	· · · · · · · · · · · · · · · · · · ·		
							Bulks		· · · · · · · · · · · · · · · · · · ·	-1
VIEWED BY						03405	Other			
	VIEWED	BY							A TOTAL PROPERTY OF THE PROPER	
PRINT SIGNATURE			PRINT	- 1,			· · · · · · · · · · · · · · · · · · ·	SIGNATURE		b-,!



					CLIENT NAM	E	Teconic			
					PROJECT LO		Petersburg	, NY		
PLEASE PR	INT				SPECIFIC LC		Dispersion			
ERSON PE	RFORMING S	SAMPLING		SHIPPING	DATE	SAMPLING	DATE	NIOSH SAM	PLING METH	DD
~ Camero	n Steuer, MS	, CIH				6/3/2003			In House	
	D EMPLOYEE	/AREA						S.S. #	XXX-XX-595	6
Cott Burt			-		DEPARTMEN	т				
)					DEPARTMEN	•				
ASK/OPER	ATION		PPE					ENG/WORK	PRACTICES	
l ispersion			Goggles, glove	es, Wilson 80	000 w P-100 and	d acid/ov cartrı	dge			
ENVIRONME	ENTAL CONDI	TIONS AND N	TES					<u> </u>		
Wear a full fa	ace resp when				eeping of areas icids, ammonia,	etc.) Was no	t wearing resp	when mixing		
PRE-CALIBR						POST-CALIB		CALCULATIO		+1 2000040040
,	Gilian GilAir5					1		Average Pum	p Flow.	1.703
UMP No	G15		1			PUMP No.	G15			L/min
_OCATION FLOW RATE			Name:	DCS		LOCATION		Name	DCS	
TOW RATE		✓ L/min		BIOS DC-1	DryCal FLOW RATE (CIRCLE ONE)			Method	BIOS DC-1 D	rv Cal
1.707		cc/min	Date. 6/3/03	Time ⁻		1.699		6/3/2003		1,7 00.1
<u> </u>								0/0/2000		
I. PUMP		LE INFORM			CLOCK TIM	E	SAMPLE			
NO L	FIELD NO.	TYPE MEDIA	NO.	START	STOP	TIME (MIN)	VOLUME (LITER)	RESULT (DIR	RECT READ)	
G <u>15</u>	G15	PVC Pre-Weig		7:48	15.15		761.241			
*		Omega 5.0 um Lot#AZ020501				0	0			
		L01#AZ020501	-03/03	-		0	U.		****	
					TOTAL	447	761.241			
INTERFEREN	ICES AND IH	COMMENTS T	O LAB		7		****			7
						Supporting Sa	mple Field #			
·						Blanks				
···						Bulks	16.0 ·			
r						Other				
REVIEWED	ВҮ				_				8.1 T A	
		PRINT			6.6%		SIGNATURE			