ecology and environment, inc.
International Specialists in the Environment

ANALYTICAL SERVICES CENTER
4493 Walden Avenue
Lancaster, New York 14086
Tel. (716) 685-8080, Fax: (716) 685-0852

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MAY - 1 1996
MAY - 01, 1996

April 30, 1996

Ms. Smita Sumbaly
Roy F. Weston
1090 King Georges Post Road
Suite 201
Edison, New Jersey 08837

RE: 9600.789

Dear Ms. Sumbaly:

Attached is the laboratory report of the analyses conducted on samples received at the Analytical Services Center on April 24, 1996. Analyses were performed according to procedures set forth in NIOSH 5503 and 7300.

The chain of custody form provided herein is integral to this report and must be included with the analytical results forms upon transferral to another data user.

The accuracy of all analyses depends upon the representative nature of the sample and the reliability of collection procedures as well as the accuracy of the laboratory analysis of the sample as submitted. Ecology and Environment, Inc.'s activity and representations with respect to these samples are limited solely to the laboratory analysis of the samples presented to us.

All samples on which this report is based will be retained by E & E for a period of 30 days from the date of this report, unless otherwise instructed by the client. If additional storage of samples is requested by the client, a storage fee of $1.00 per sample container per month will be charged for each sample, with such charges accruing until destruction of the samples is authorized by the client.

CASE NARRATIVE

Desorption efficiency raw data is located on pages 8-13 of this data package.

231796

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METALS

Due to software limitations, E & E identification codes have been used throughout this report. Full client ID's can be found in the comment section on form 1.

The following calculation was used for the determination of arsenic and lead in air samples:

$$\frac{\text{ug}}{\text{Liter}} \times \frac{0.01\ \text{Liter}}{1\ \text{filter}} = \frac{\text{ug}}{\text{filter}}$$

The spike recoveries for samples MCEF-SA and MCEF-SB were calculated using the associated lot blanks as the original sample results (MCEF-LA and MCEF-LB respectively).

Lead was detected in the preparation blank at 0.256 ug/filter, just above the IDL of 0.21 ug/filter. Lead was also detected in all the samples. It is not possible to redigest and reanalyze filters.

PCB in Air

The following calculations were used for the determination of PCB's in air samples:

1. $$\text{Result}\ \frac{\text{ug}}{\text{tube}} = \frac{1.0\ \text{ml final volume}}{\text{tube}} \times \text{concentration}\ \frac{\text{ug}}{\text{ml}}$$

2. liters x (1 cubic meter / 1000 liters) = 1 cubic meter

$$\text{Result}\ \frac{\text{ug}}{\text{cubic meter}} = \text{concentration}\ \frac{\text{ug}}{\text{ml}} \times \frac{1.0\ \text{ml final volume}}{\text{volume sampled (cubic meter)}}$$

Accidentally, pesticide spiking solution was added to all samples instead of PCB surrogate solution. The pesticide compounds do not interfere with the PCB pattern.

The extraction codes for the PCB in air analyses are as follows: 3200 = front end of tube, 3210 = back end of tube, 3220 = front end of spiked tube, 3290 = back end of spiked tube.

The continuing AROCLOR-1254 standards (runs 17, 28, & 35) exceeded the 15% difference criteria. Percent differences were 16%, 17%, and 24% respectively.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Gary Hahn

Gary Hahn - Manager
Analytical Services Center
April 30, 1996

Total number of pages in this data package is: 358 .

CHAIN OF CUSTODY RECORD

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ENVIRONMENTAL PROTECTION AGENCY — REGION II
Environmental Services Division
EDISON, NEW JERSEY 08817

Name of Unit and Address: Roy F. Weston - START
1090 King Georges Post Rd
Suite 201 Edison NJ 08837 (908) 225-6116

RFP#: 1316

Sample Number	Number of Containers	Description of Samples
		* ALL SAMPLES BELOW FOR ANALYSIS PER NIOSH 5503 ** SAMPLES ENTAIL BOTH A FLORISIL TUBE + A 13mm GLASS FIBER FILTER
LB-PCB (A,B,C)	3 sets	3 LOT BLANKS - NIOSH 5503 VOLUME = 0 SKC LOT 377 FLORISIL TUBES || FILTER LOT = SKC 9494
BLND PCB (A,B,C)	3 sets	3 BLIND SPIKES - NIOSH 5503 VOLUME = 0
ANAL-PCB (A,B,C)	3 sets	3 ANALYTICAL SPIKES - NIOSH 5503 VOLUME = 0
DE-PCB (A-O)	15 sets	15 DESORPTION EFFICIENCY SAMPLES - NIOSH 5503 VOLUME = 0
STN1-PCB	1 set	STATION 1 PCB VOL = 30 l
STN 2-PCB	1 set	STATION 2 PCB Vol = 30 l
STN 3-PCB	1 set	STATION 3 PCB Vol = 30 l
STN 4-PCB	1 set	STATION 4 PCB Vol = 30 l

Person Assuming Responsibility for Sample: [signature] Time: 5:30 pm Date: 4/23/96

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
ALL	[signature]				
	FedEx	[signature]	0930	4-24-96	Analysis

5

JOB NUMBER : 9600.789

Ecology and Environment, Inc.
SAMPLE TRACKING REPORT

SAMPLE NUMBER	CLIENT SAMPLE ID	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
TO-10 PCB IN AIR	-AIR			
43062.01	BLIND-PCB-A	04/23/96	04/25/96	04/26/96
43063.01	BLIND-PCB-B	04/23/96	04/25/96	04/26/96
43064.01	BLIND-PCB-C	04/23/96	04/25/96	04/26/96
43065.01	LB-PCB-A	04/23/96	04/25/96	04/26/96
43066.01	LB-PCB-B	04/23/96	04/25/96	04/26/96
43067.01	LB-PCB-C	04/23/96	04/25/96	04/26/96
43068.01	STN1-PCB	04/23/96	04/25/96	04/26/96
43069.01	STN2-PCB	04/23/96	04/25/96	04/26/96
43070.01	STN3-PCB	04/23/96	04/25/96	04/26/96
43071.01	STN4-PCB	04/23/96	04/25/96	04/26/96

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43068
SAMPLE ID CLIENT: STN1-PCB

UNITS : UG/M3
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		3.3
PCB-1254	ND		3.3
PCB-1221	ND		3.3
PCB-1232	ND		3.3
PCB-1248	ND		3.3
PCB-1260	ND		3.3
PCB-1016	ND		3.3

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43069
SAMPLE ID CLIENT: STN2-PCB

UNITS : UG/M3
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		3.3
PCB-1254	ND		3.3
PCB-1221	ND		3.3
PCB-1232	ND		3.3
PCB-1248	ND		3.3
PCB-1260	ND		3.3
PCB-1016	ND		3.3

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43070
SAMPLE ID CLIENT: STN3-PCB

UNITS : UG/M3
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		3.3
PCB-1254	ND		3.3
PCB-1221	ND		3.3
PCB-1232	ND		3.3
PCB-1248	ND		3.3
PCB-1260	ND		3.3
PCB-1016	ND		3.3

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43071
SAMPLE ID CLIENT: STN4-PCB

UNITS : UG/M3
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		3.3
PCB-1254	ND		3.3
PCB-1221	ND		3.3
PCB-1232	ND		3.3
PCB-1248	ND		3.3
PCB-1260	ND		3.3
PCB-1016	ND		3.3

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43065
SAMPLE ID CLIENT: LB-PCB-A

UNITS : UG/TUBE
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		0.10
PCB-1254	ND		0.10
PCB-1221	ND		0.10
PCB-1232	ND		0.10
PCB-1248	ND		0.10
PCB-1260	ND		0.10
PCB-1016	ND		0.10

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43066
SAMPLE ID CLIENT: LB-PCB-B

UNITS : UG/TUBE
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		0.10
PCB-1254	ND		0.10
PCB-1221	ND		0.10
PCB-1232	ND		0.10
PCB-1248	ND		0.10
PCB-1260	ND		0.10
PCB-1016	ND		0.10

QUALIFIERS: C = COMMENT ND = NOT DETECTED
J = ESTIMATED VALUE B = ALSO PRESENT IN BLANK
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43067
SAMPLE ID CLIENT: LB-PCB-C

UNITS : UG/TUBE
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		0.10
PCB-1254	ND		0.10
PCB-1221	ND		0.10
PCB-1232	ND		0.10
PCB-1248	ND		0.10
PCB-1260	ND		0.10
PCB-1016	ND		0.10

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43062
SAMPLE ID CLIENT: BLIND-PCB-A

UNITS : UG/TUBE
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		0.10
PCB-1254	ND		0.10
PCB-1221	ND		0.10
PCB-1232	ND		0.10
PCB-1248	ND		0.10
PCB-1260	ND		0.10
PCB-1016	ND		0.10

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43063
SAMPLE ID CLIENT: BLIND-PCB-B

UNITS : UG/TUBE
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		0.10
PCB-1254	ND		0.10
PCB-1221	ND		0.10
PCB-1232	ND		0.10
PCB-1248	ND		0.10
PCB-1260	ND		0.10
PCB-1016	ND		0.10

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

TEST CODE :APCB 1

JOB NUMBER :9600.789
ELAP ID : 10486

Ecology and Environment, Inc.
Analytical Services Center

CLIENT : ROY F. WESTON
TEST NAME : TO-10 PCB IN AIR
SAMPLE ID LAB : EE-96-43064
SAMPLE ID CLIENT: BLIND-PCB-C

UNITS : UG/TUBE
MATRIX: AIR

PARAMETER	RESULTS	Q	QNT. LIMIT
PCB-1242	ND		0.10
PCB-1254	ND		0.10
PCB-1221	ND		0.10
PCB-1232	ND		0.10
PCB-1248	ND		0.10
PCB-1260	ND		0.10
PCB-1016	ND		0.10

QUALIFIERS: C = COMMENT
J = ESTIMATED VALUE
N = ANALYTE WAS NOT CONFIRMED BY ALTERNATE PROCEDURE
ND = NOT DETECTED
B = ALSO PRESENT IN BLANK

U.S. ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: May 15, 1996

TO: Nick Magriples, OSC
USEPA Region II

FROM: Smita Sumbaly
START Data Review Team

SUBJECT: QA/QC Compliance Review Summary

As requested quality control and performance measures for the data packages noted have been examined and compared to EPA standards for compliance. Measures for the following general areas were evaluated as applicable:

Data Completeness	Blanks
Spectra Matching Quality	DFTPP and BFB Tuning
Surrogate Spikes	Chromatography
Matrix Spikes/Duplicates	Holding Times
Calibration	Compound ID (HSL, TIC)

Any statistical measures used to support the following conclusions are attached so that the review may be reviewed by others.

Summary of Results

	I Metals	II	III	IV
Acceptable as Submitted				
Acceptable with Comments	X			
Unacceptable, Action Pending				
Unacceptable				

Data Reviewed by: Smita Sumbaly Date: 05/15/96

Approved By: [signature] Date: 5/16/96

Area Code/Phone No.: (908) 225-6116

NARRATIVE

CASE No. 1316

SITE NAME: Cornell Dubilier Electroniucs Site

South Plainfield, Middlesex County, New Jersey.

Laboratory Name: Ecology and Environment, INC.

INTRODUCTION:

The laboratory's portion of this Case consisted of 4 Air samples, two lot blanks, two field blanks, and two lot spike blanks samples collected on April 23, 1996.

The laboratory reported No problem(s) with the receipt of these samples.

The laboratory reported No problems with the analyses of TAL metals (Lead, Arsenic, Cadmium and Silver).

The evaluator has commented on the criteria specified under each fraction heading. All criteria have been assessed, but no discussion is given where the evaluator has determined that criteria were adequately performed or require no comment. Details relevant to these comments are given on the following forms.

IV. Inorganic:_____

_Y_ Data Summary/Tablulated Results
_Y_ Initial and Continuing Calibration
_Y_ Blanks
_Y_ ICP Interference Check
_Y_ Spike Sample Recovery
_NA_ Duplicates
_Y_ Detection Limits
_NA_ Standard Addition Results
_Y_ ICP Serial Dilutions
_Y_ Holding Times
_Y_ ICP Interelement Correction Factors
_Y_ ICP Linear Ranges
_Y_ Chain of Custody
_Y_ Raw Data
_Y_ Quantitation, Conversions, Dilutions, etc.

Comments:

1. Refer to Data Assessment Narrative.

REGION II START DATA ASSESSMENT REPORT

Title: Evaluation of Inorganic Data for the Contract laboratory Program
Appendix A.2: Data Assessment Narrative

Date: Jan. 1992
Number: HW-2
Revision: 11

CASE #:RFP # 1316 **SITE: Cornell Dubilier Electronics Site**

SDG#: MCEF-SA (43049) **LAB: Ecology & Environment, Inc.** **MATRIX: AIR: 8**

Contractor: WESTON-START **REVIEWER: Smita Sumbaly**

A.2.1 Validation Flags- The following flags have been applied in red by the data validator and must be considered by the data user.

J- This flag indicates the result qualified as estimated.

Red- Line- A red-line drawn through a sample result indicates an unusable value. The red-lined data are known to contain significant errors based on documented information and must not be used by the data user.

Fully Usable Data- The results that do not carry "J" or "red-line" are fully usable.

Contractual Qualifiers- The legend of contractual qualifiers applied by the laboratory on Form I's is found on page B-20 of SOW ILM01.0.

A.2.2 The data assessment is given below and on the attached sheets.

On April 23, 1996, USEPA Region II sampling personnel collected four (04) Air samples, two lot blanks, two field blanks, and two lot spike blanks for inorganic (lead, cadmium, arsenic and silver) analyses from the Cornell Dubilier Electronics Site, South Plainfield, New Jersey. Within twenty-four hours of collection, samples were shipped via Federal Express courier to Ecology and Environment Laboratories, Inc, Lancaster, New York. The laboratory verified that samples were received intact and properly custody sealed.

Target Analyte List (TAL) inorganic elements were analyzed for lead, cadmium, arsenic and silver following NIOSH Method No. 7300 (Elements). Samples were collected using a 37 mm diameter, 8 micron mixed cellulose filter (MCEF). Sample collection was performed at a calibrated flow rate of 3 liters/minute (L/m) for a sample period of 300 minutes which provided each sample with a calculated sample volume of 900 liters of air.

A.2.2 (continuation)

Client identification (ID) and laboratory ID numbers are as follows:

TAL DATA

Client ID No.	Laboratory ID No.	Matrix	Sample Location
MCEF-LA	43051	Air	Lot Blank
MCEF-LB	43052	Air	Lot Blank
MCEF-FA	43053	Air	Field Blank
MCEF-FB	43054	Air	Field Blank
STN1-PB	43055	Air	Station 1
STN2-PB	43056	Air	Station 2
STN3-PB	43057	Air	Station 3
STN4-PB	43058	Air	Station 4
MCEF-SA	43049	Air	Lot Spike Blank
MCEF-SB	43050	Air	Lot Spike Blank

A.2.2 (continuation)

The results presented in the data package are acceptable with the exception noted in the following data assessment narrative.

MATRIX SPIKE RECOVERY:-

The following TAL inorganic analytes were either qualified as estimated "J" or rejected "red-lined" in the associated samples due to spike recoveries (% R) outside of specified QC limits in the associated spike samples and because the sample result (SR) concentration < 4 X the spike added (SA) concentration:

ANALYTE	Percent Recovery	Qualifier	Associated Samples
Silver	13.0/14.2 %	"J"	MCEF-LA, MCEF-LB, MCEF-FA, MCEF-FB, STN1-PB, STN2-PB, STN3-PB & STN4-PB

PREPARATION BLANK:-

The following positive TAL inorganic data < 10 X Prep. Blank (when the CRDL is > IDL) were rejected "red-lines" because the concentration of Prep. Blank value greater than the CRDL:

ANALYTE	CRDL VALUE	Prep.Blank VALUE	Qualifier	Associated Samples
Lead	3 ug/l	25.6 ug/l	"red-lined"	STN1-PB & STN3-PB

CALIBRATION: The laboratory performed initial calibration sequence and performed continuing calibration checks at a frequency of one at every ten samples per analytical run. The percent recovery of initial and continuing calibration verification check standard results are within QC limits (80-120 %).

Title: Evaluation of Inorganic Data for the Contract laboratory Program
Appendix A.2: Data Assessment Narrative

Date: Jan. 1992
Number: HW-2
Revision: 11

A.2.2 (continuation)

A.2.3 Contract Problem/Non-Compliance:

MMB/ESAT Reviewer: _____ Signature _____ Date:

Contractor Reviewer: Smita Sumbaly Signature 05/14/96 Date:

Verified by: _____ _____

OTHER ANALYTES WORK TABLE

Project: Cornell Dubilier Electronics Site

START PM: Joseph Price

Sampling Date: April 23, 1996

SAMPLE #/CONCENTRATION (ug/M3)

Total Metals	Method Detection Limit	Air Filter MCEF-LA 43051	Air Filter MCEF-LB 43052	Air Filter MCEF-FA 43053	Air Filter MCEF-FB 43054		
Percent Solids		100	100	100	100		
Dilution Factor		1	1	1	1		
Arsenic	2 ug/filter	U	U	U	0.044 B		
Cadmium	1 ug/filter	U	U	U	U		
Lead	0.6 ug/filter	1.4	0.78	0.61	0.24		
Silver	2ug/filter	0.0094 J	U J	U J	U J		

Total Metals	Method Detection Limit	Air Filter STN1-PB 43055	Air Filter STN2-PB 43056	Air Filter STN3-PB 43057	Air Filter STN4-PB 43058		
Percent Solids		100	100	100	100		
Dilution Factor		1	1	1	1		
Arsenic	2 ug/M3	U	U	U	U		
Cadmium	1 ug/M3	0.022 B	0.012 B	U	0.017 B		
Lead	0.6 ug/M3	R	3.5	R	7.2		
Silver	2 ug/M3	U J	0.020 BJ	U J	U J		

Inorganic Qualifiers

U – non-detected compound
J – estimated value
B – between the instrument detection limit (IDL) and the method detection limit (MDL)
R – rejected compound

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43051

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43051

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.0070	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0094	B	J	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEF-LA

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43053

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43053

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__	0.037	U		P
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.0070	U		P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	0.61			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.0060	U		P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: __MCEF-FA

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43054

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43054

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.049	B		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.0070	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	0.24			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0060	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEF-FB

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43055

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9500.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43055

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.035	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.022	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	0.86			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0050	U	J	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: STN1-PB

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43056

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43056

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		-		NR
7440-36-0	Antimony_		-		NR
7440-38-2	Arsenic__	0.033	U		P
7440-39-3	Barium___		-		NR
7440-41-7	Beryllium		-		NR
7440-43-9	Cadmium__	0.012	B		P
7440-70-2	Calcium__		-		NR
7440-47-3	Chromium_		-		NR
7440-48-4	Cobalt___		-		NR
7440-50-8	Copper___				NR
7439-89-6	Iron____		-		NR
7439-92-1	Lead____	3.5	-		P
7439-95-4	Magnesium		-		NR
7439-96-5	Manganese		-		NR
7439-97-6	Mercury__		-		NR
7440-02-0	Nickel___		-		NR
7440-09-7	Potassium		-		NR
7782-49-2	Selenium_		-		NR
7440-22-4	Silver___	0.020	B	J	P
7440-23-5	Sodium___		-		NR
7440-28-0	Thallium_		-		NR
7440-62-2	Vanadium_		-		NR
7440-66-6	Zinc____		-		NR
	Cyanide__		-		NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: STN2-PB

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43057

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43057

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440 38 2	Arsenic__	0.033	U		P
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.0060	U		P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt __				NR
7440-50-8	Copper___				NR
7439-89-6	Iron_____				NR
7439-92-1	Lead_____	2.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.0050	U	J	P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc_____				NR
_____	Cyanide__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID:__STN3-PB

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U.S. EPA - CLP

1.

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43058

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: __

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43058

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440 38 2	Arsenic	0.033	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.017	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	7.2			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0050	U	J	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: STN4-PB

FORM I - IN ILM03.0

** TOTAL PAGE.03 **

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY – REGION II
Environmental Services Division
EDISON, NEW JERSEY 08817

RECEIVED

Name of Unit and Address: Roy F. Weston - START
1090 King Georges Post Rd
Suite 201 Edison NJ 08837 (908) 225-6116

REF: RFP# 1316

Sample Number	Number of Containers	Description of Samples
MCEF-SA	1	NIOSH 7300 - LOT SPIKE A volume = 0 liters ~~SKC~~
MCEF-SB	1	NIOSH 7300 - LOT SPIKE B
MCEF-LA	1	NIOSH 7300 - LOT BLANK A
MCEF-LB	1	NIOSH 7300 - LOT BLANK B
MCEF-FA	1	NIOSH 7300 - Field BLANK A
MCEF-FB	1	NIOSH 7300 Field BLANK B volume = 0 liters
STN1-Pb	1	STATION 1 - MCEF volume = 900 l
STN2-Pb	1	STATION 2 - MCEF volume = 900 l
STN3-Pb	1	STATION 3 - MCEF volume = 900 l
STN4-Pb	1	STATION 4 - MCEF volume = 900 l

ALL samples below for analysis per NIOSH 7300 for lead, cadmium, silver, arsenic

GILIAN FILTER LOT: 922I229

Person Assuming Responsibility for Sample: [signature] Time: 5 30 pm Date: 4/23/96

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
ALL	[signature]				
	FedEx	[signature]	0930	4-24-96	Analysis

4

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43051

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43051

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.0070	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0094	B	J	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID:__MCEF-LA

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43053

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43053

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__	0.037	U		P_
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.0070	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	0.61			P_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.0060	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEF-FA

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43054

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43054

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__	0.049	B		P_
7440-39-3	Barium__				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.0070	U		P_
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	0.24			P_
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.0060	U		P_
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEF-FB

FORM I - IN ILM03.0

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43055

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43055

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.035	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.022	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	0.86			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0050	U	J	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: STN1-PB

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43056

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43056

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		-		NR
7440-36-0	Antimony_		-		NR
7440-38-2	Arsenic__	0.033	U		P
7440-39-3	Barium__		-		NR
7440-41-7	Beryllium		-		NR
7440-43-9	Cadmium__	0.012	B		P
7440-70-2	Calcium__		-		NR
7440-47-3	Chromium_		-		NR
7440-48-4	Cobalt___		-		NR
7440-50-8	Copper___				NR
7439-89-6	Iron____		-		NR
7439-92-1	Lead____	3.5	-		P
7439-95-4	Magnesium		-		NR
7439-96-5	Manganese		-		NR
7439-97-6	Mercury__		-		NR
7440-02-0	Nickel___		-		NR
7440-09-7	Potassium		-		NR
7782-49-2	Selenium_		-		NR
7440-22-4	Silver___	0.020	B	J	P
7440-23-5	Sodium___		-		NR
7440-28-0	Thallium_		-		NR
7440-62-2	Vanadium_		-		NR
7440-66-6	Zinc____		-		NR
	Cyanide__		-		NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: STN2-PB

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43057

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: _____

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43057

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440 38 2	Arsenic__	0.033	U		P
7440-39-3	Barium__				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.0060	U		P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	2.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel__				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.0050	U	J	P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc____				NR
_____	Cyanide__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: __STN3-PB

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

43058

Lab Name: ECOLOGY_AND_ENVIRONMENT__ Contract: __

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43058

Level (low/med): LOW__ Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/M3

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440 38 2	Arsenic__	0.033	U		P
7440-39-3	Barium__				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__	0.017	B		P
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____	7.2			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___	0.0050	U	J	P
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc____				NR
	Cyanide__				NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL_____ Clarity After: C_____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID:__STN4-PB

FORM 1 - IN ILM03.0

CHAIN OF CUSTODY RECORD

RECEIVED 1996

ENVIRONMENTAL PROTECTION AGENCY – REGION II
Environmental Services Division
EDISON, NEW JERSEY 08817

Name of Unit and Address: Roy F. Weston - START
1090 King Georges Post Rd
Suite 201 Edison NJ 08837 (908) 225-6116

REF: RFP# 1316

ALL SAMPLES BELOW FOR ANALYSIS PER NIOSH 7300 for LEAD, CADMIUM, SILVER, ARSENIC

Sample Number	Number of Containers	Description of Samples
MCEF-SA	1	NIOSH 7300 - LOT SPIKE A volume = 0 liters ~~SKC~~
MCEF-SB	1	NIOSH 7300 - LOT SPIKE B GILIAN FILTER LOT: 922I229
MCEF-LA	1	NIOSH 7300 - LOT BLANK A
MCEF-LB	1	NIOSH 7300 - LOT BLANK B
MCEF-FA	1	NIOSH 7300 - Field BLANK A
MCEF-FB	1	NIOSH 7300 Field BLANK B volume = 0 liters
STN1-Pb	1	STATION 1 - MCEF volume = 700 l
STN2-Pb	1	STATION 2 - MCEF volume = 900 l
STN3-Pb	1	STATION 3 - MCEF volume = 900 l
STN4-Pb	1	STATION 4 - MCEF volume = 900 l

Person Assuming Responsibility for Sample:	Time	Date
[signature]	5 30 pm	4/23/96

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
ALL	[signature]				
	FedEx	[signature]	0930	4-24-96	Analysis

Page No. 4