

**Enviro - Chem, Inc.**

1216 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: January 28, 2004

Mr. Ted Yueh  
Green Millennium, Inc.  
20539 Walnut Dr., Suite B  
Diamond Bar, CA 91789  
Tel(909)598-0185 Cell(626)378-4021 Fax(626)737-6511

Project: **TPX sol**

Dear Mr. Yueh:

The analytical results for the liquid sample, received by our Lab January 21, 2004, are attached. The sample was received chilled, intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets  
Vice President/Program Manager



Jesse Tu, Ph.D.  
Laboratory Manager

*Enviro - Chem, Inc.*

1216 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

**LABORATORY REPORT**

CUSTOMER: Green Millennium, Inc.  
20539 Walnut Dr., Suite B  
Diamond Bar, CA 91789  
Tel(909)598-0185 Cell(626)378-4021 Fax(626)737-6511

PROJECT: TPX sol

MATRIX: LIQUID DATE RECEIVED: 01/21/04  
SAMPLING DATE: 01/21/04 DATE ANALYZED: 01/21/04  
REPORT TO: MR. TED YUEH DATE REPORTED: 01/28/04

-----  
SAMPLE I.D.: TPX sol LAB I.D.: 040121-1  
-----

PARAMETER	UNIT	SAMPLE RESULT	METHOD
pH	pH UNITS	7.71	150.1

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DATA REVIEWED AND APPROVED BY:   
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: Green Millennium, Inc.
20539 Walnut Dr., Suite B
Diamond Bar, CA 91789
Tel (909) 598-0185 Cell (626) 378-4021 Fax (626) 737-6511

PROJECT: TPX sol

MATRIX: LIQUID DATE RECEIVED: 01/21/04
SAMPLING DATE: 01/21/04 DATE ANALYZED: 01/22/04
REPORT TO: MR. TED YUEH DATE REPORTED: 01/28/04

SAMPLE I.D.: TPX sol LAB I.D.: 040121-1

TOTAL METALS ANALYSIS

UNIT: MG/L = MILLIGRAM PER LITER = PPM

Table with 5 columns: ELEMENT ANALYZED, SAMPLE RESULT, PQL, DF, EPA METHOD. Lists various metals like Antimony, Arsenic, Barium, etc., with their respective results and detection limits.

COMMENTS

DF = Dilution Factor
PQL = Practical Quantitation Limit
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: TPX sol  
 MATRIX: LIQUID  
 SAMPLING DATE: 01/21/04  
 REPORT TO: MR. TED YUEH  
 SAMPLE I.D.: TPX sol

DATE RECEIVED: 01/21/04  
 DATE ANALYZED: 01/24/04  
 DATE REPORTED: 01/28/04  
 LAB I.D.: 040121-1

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 1 OF 2  
 UNIT: ug/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	10
BENZENE	ND	1
BROMOBENZENE	ND	1
BROMOCHLOROMETHANE	ND	1
BROMODICHLOROMETHANE	ND	1
BROMOFORM	ND	1
BROMOMETHANE	ND	1
2-BUTANONE (MEK)	ND	10
N-BUTYLBENZENE	ND	1
SEC-BUTYLBENZENE	ND	1
TERT-BUTYLBENZENE	ND	1
CARBON DISULFIDE	ND	5
CARBON TETRACHLORIDE	ND	1
CHLOROBENZENE	ND	1
CHLOROETHANE	ND	1
CHLOROFORM	ND	1
CHLOROMETHANE	ND	1
2-CHLOROTOLUENE	ND	1
4-CHLOROTOLUENE	ND	1
DIBROMOCHLOROMETHANE	ND	1
1,2-DIBROMO-3-CHLOROPROPANE	ND	1
1,2-DIBROMOETHANE	ND	1
DIBROMOMETHANE	ND	1
1,2-DICHLOROBENZENE	ND	1
1,3-DICHLOROBENZENE	ND	1
1,4-DICHLOROBENZENE	ND	1
DICHLORODIFLUOROMETHANE	ND	1
1,1-DICHLOROETHANE	ND	1
1,2-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	ND	1
CIS-1,2-DICHLOROETHENE	ND	1
TRANS-1,2-DICHLOROETHENE	ND	1
1,2-DICHLOROPROPANE	ND	1
1,3-DICHLOROPROPANE	ND	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY:  \_\_\_\_\_

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PROJECT: **TPX sol**

MATRIX: **LIQUID**

SAMPLING DATE: **01/21/04**

REPORT TO: **MR. TED YUEH**

SAMPLE I.D.: **TPX sol**

DATE RECEIVED: **01/21/04**

DATE ANALYZED: **01/24/04**

DATE REPORTED: **01/28/04**

LAB I.D.: **040121-1**

**ANALYSIS: VOLATILE ORGANICS, EPA METHOD 5030B/8260B, PAGE 2 OF 2**  
 UNIT: **ug/L = MICROGRAM PER LITER = PPB**

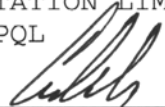
PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	1
1,1-DICHLOROPROPENE	ND	1
CIS-1,3-DICHLOROPROPENE	ND	1
TRANS-1,3-DICHLOROPROPENE	ND	1
ETHYLBENZENE	ND	1
2-HEXANONE	ND	10
HEXACHLOROBUTADIENE	ND	1
ISOPROPYLBENZENE	ND	1
4-ISOPROPYLTOLUENE	18.0	1
4-METHYL-2-PENTANONE (MIBK)	ND	10
METHYL tert-BUTYL ETHER (MTBE)	ND	3
METHYLENE CHLORIDE	ND	5
NAPHTHALENE	ND	1
N-PROPYLBENZENE	ND	1
STYRENE	ND	1
1,1,1,2-TETRACHLOROETHANE	ND	1
1,1,2,2-TETRACHLOROETHANE	ND	1
TETRACHLOROETHENE (PCE)	11.3	1
TOLUENE	ND	1
1,2,3-TRICHLOROBENZENE	ND	1
1,2,4-TRICHLOROBENZENE	ND	1
1,1,1-TRICHLOROETHANE	ND	1
1,1,2-TRICHLOROETHANE	ND	1
TRICHLOROETHENE (TCE)	ND	1
TRICHLOROFLUOROMETHANE	ND	1
1,2,3-TRICHLOROPROPANE	ND	1
1,2,4-TRIMETHYLBENZENE	ND	1
1,3,5-TRIMETHYLBENZENE	ND	1
VINYL CHLORIDE	ND	1
M/P-XYLENE	ND	2
O-XYLENE	ND	1

**COMMENTS** PQL = PRACTICAL QUANTITATION LIMIT

ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:

CAL-DHS CERTIFICATE # 1555



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 REPORT TO: MR. TED YUEH  
 SAMPLE I.D.: TPX sol

DATE RECEIVED: 01/21/04  
 DATE ANALYZED: 01/21-22/04  
 DATE REPORTED: 01/28/04  
 LAB I.D.: 040121-1

-----  
 ANALYSIS: SEMI-VOLATILE ORGANICS, EPA METHOD 8270C, PAGE 1 OF 2  
 UNIT: uG/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X2*
Acenaphthene	ND	10
Acenaphthylene	ND	10
Anthracene	ND	10
Benzo(a)anthracene	ND	10
Benzo(a)pyrene	ND	10
Benzo(b)fluoranthene	ND	10
Benzo(g,h,i)perylene	ND	10
Benzo(k)fluoranthene	ND	10
Benzoic Acid	ND	10
Benzyl Alcohol	ND	10
Bis(2-Chloroethoxy)methane	ND	10
Bis(2-Chloroethyl)ether	ND	10
Bis(2-Chloroisopropyl)ether	ND	10
Bis(2-Ethylhexyl)Phthalate	ND	20
4-Bromophenyl Phenyl Ether	ND	10
Butylbenzylphthalate	ND	10
4-Chloro-3-Methylphenol	ND	10
4-Chloroaniline	ND	10
2-Chloronaphthalene	ND	10
2-Chlorophenol	ND	10
4-Chlorophenyl Phenyl Ether	ND	10
Chrysene	ND	10
Di-n-butylphthalate	ND	20
Di-n-octylphthalate	ND	10
Dibenzo(a,h)anthracene	ND	10
Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
3,3-Dichlorobenzidine	ND	10
2,4-Dichlorophenol	ND	10
Diethyl Phthalate	ND	10
2,4-Dimethylphenol	ND	10
Dimethyl Phthalate	ND	10

----- TO BE CONTINUED ON PAGE #2 -----

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 MATRIX: LIQUID  
 SAMPLING DATE: 01/21/04  
 REPORT TO: MR. TED YUEH  
 SAMPLE I.D.: TPX sol

DATE RECEIVED: 01/21/04  
 DATE ANALYZED: 01/21-22/04  
 DATE REPORTED: 01/28/04  
 LAB I.D.: 040121-1

ANALYSIS: SEMI-VOLATILE ORGANICS, EPA METHOD 8270C, PAGE 2 OF 2  
 UNIT: uG/L = MICROGRAM PER LITER = PPB

PARAMETER	SAMPLE RESULT	PQL X2*
4,6-Dinitro-2-methylphenol	ND	10
2,4-Dinitrophenol	ND	10
2,4-Dinitrotoluene	ND	10
2,6-Dinitrotoluene	ND	10
Fluoranthene	ND	10
Fluorene	ND	10
Hexachlorobenzene	ND	10
Hexachlorobutadiene	ND	10
Hexachlorocyclopentadiene	ND	10
Hexachloroethane	ND	10
Indeno(1,2,3-cd)pyrene	ND	10
Isophorone	ND	10
2-Methyl Phenol	ND	10
3-Methyl Phenol	ND	10
4-Methyl Phenol	ND	10
2-Methylnaphthalene	ND	10
N-Nitroso-di-n-dipropylamine	ND	10
N-Nitrosodimethylamine	ND	10
N-Nitrosodiphenylamine	ND	10
Naphthalene	ND	10
2-Nitroaniline	ND	10
3-Nitroaniline	ND	10
4-Nitroaniline	ND	10
Nitrobenzene	ND	10
2-Nitrophenol	ND	10
4-Nitrophenol	ND	10
Pentachlorophenol	ND	10
Phenanthrene	ND	10
Phenol	ND	10
Pyrene	ND	10
1,2,4-Trichlorobenzene	ND	10
2,4,5-Trichlorophenol	ND	10
2,4,6-Trichlorophenol	ND	10

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT

\* = PQL RAISED DUE TO MATRIX INTERFERENCE

ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:

CAL-DHS CERTIFICATE # 1555



Enviro - Chem, Inc.

1218 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Green Millennium, Inc.  
20539 Walnut Dr., Suite B  
Diamond Bar, CA 91789  
Tel(909)598-0185 Cell(626)378-4021 Fax(626)737-6511

PROJECT: TPX sol

MATRIX: LIQUID  
SAMPLING DATE: 01/21/04  
REPORT TO: MR. TED YUEH  
DATE RECEIVED: 01/21/04  
DATE ANALYZED: 01/22-26/04  
DATE REPORTED: 01/28/04

SAMPLE I.D.: TPX sol  
LAB I.D.: 040121-1

AQUATIC TOXICITY TESTING

METHOD: STATE OF CALIFORNIA DEPARTMENT OF FISH AND GAME APPROVED  
PROCEDURES USING PIMEPHALES PROMELAS (FATHEAD MINNOWS)

RESULTS: 0% MORTALITY RATE AT 750 MG/L CONCENTRATION  
(100% SURVIVAL)  
  
0% MORTALITY RATE AT 500 MG/L CONCENTRATION  
(100% SURVIVAL)  
  
0% MORTALITY RATE AT 250 MG/L CONCENTRATION  
(100% SURVIVAL)

THEREFORE, LC-50 > 750 MG/L

COMMENTS

MG/L = MILLIGRAM PER LITER = PPM  
> = GREATER THAN  
ANALYSIS WAS PERFORMED BY ASSOCIATED LABORATORIES, ORANGE, CA

DATA REVIEWED AND APPROVED BY:   
ENVIRO-CHEM'S CAL-DHS ELAP CERTIFICATE No.: 1555



# LABORATORY WORKSHEET

Lab No. LR 123241

Date Received: 01/21/04  
Date Reported: 01/26/04

Report To: ENVIRD - CHEM LAB

Bioassay Type  
 Static  Continuous  
 Screening  Definitive

15

Sample Description: Liquid - 040121-1

Test Organism: Pimephales Promelas Source: Thomas Fish Farm

Aquana Volume: 10 liters Length (mm) Min: 21 mm Max: 35 mm No. Fishy/Concentration: 10

Organism Characteristics: Soft Water Source: Soft Water Hardness - Initial: 44 mg/l Final: 32 mg/l

Dilution Water: Soft Water Control Hardness Initial: 44 mg/l Final: 32 mg/l

Aeration: Air Control Alkalinity Initial: 3.2 mg/l Final: 3.2 mg/l

Acclimatization: 35 Days @ 20 deg. C

Total Chlorine Residual: N/D Sample Conductivity: 240  $\mu$ mhos/cm

Weight (gm) Min: 0.54 gm Max: 0.60 gm Avg: 0.57 gm

Alkalinity - Initial: 3.2 mg/l Final: 4.1 mg/l

Control Conductivity: 200  $\mu$ mhos/cm

Bioassay Conditions	Date Time	Control		750		500		250		Dilution		500		250	
		No.	%	No.	%	No.	%	No.	%	Dup No.	%	No.	%	No.	%
Organisms Surviving	11:22	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11:23	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11:24	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11:25	10	100	10	100	10	100	10	100	10	100	10	100	10	100
	11:26	10	100	10	100	10	100	10	100	10	100	10	100	10	100
Dissolved Oxygen mg/l	10:50	6.4		6.1		6.1		6.1		6.1		6.1		6.1	
	11:30	7.8		7.9		7.3		7.3		7.9		7.1		7.3	
	10:40	7.3		7.2		7.1		7.1		7.2		7.1		7.1	
	10:10	7.7		7.0		7.5		7.5		7.0		7.5		7.5	
	10:30	7.4		7.3		7.3		7.2		7.3		7.3		7.2	
	Start	7.0	20°C	7.3	20°C	7.3	20°C	7.2	20°C	7.3	20°C	7.3	20°C	7.2	20°C
	74 HT	7.1	20°C	7.2	20°C	7.2	20°C	7.1	20°C	7.2	20°C	7.2	20°C	7.1	20°C
	48 HT	7.1	20°C	7.2	20°C	7.1	20°C	7.1	20°C	7.2	20°C	7.1	20°C	7.1	20°C
	72 HT	7.2	20°C	7.1	20°C	7.1	20°C	7.0	20°C	7.1	20°C	7.1	20°C	7.0	20°C
	96 HT	7.3	20°C	7.1	20°C	7.1	20°C	7.0	20°C	7.1	20°C	7.1	20°C	7.0	20°C
pH															
Temp															

Results - LC<sub>50</sub> = > 750 mg/l

% Survival: > 750 mg/l

Toxicity Units T.U.: N/A

Method of Calculations: 11

95% Confidence Limits: 1A

LC<sub>50</sub> Method: 1A

Laboratory Supervisor

Enviro-Chem, Inc. Laboratories  
1214 E. Lexington Avenue,  
Pomona, CA 91766  
Tel: (909) 590-5905 Fax: (909) 590-5907  
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time  
0 Same Day  
0 24 Hours  
0 48 Hours  
0 72 Hours  
1 Week (Standard)  
Other:

SAMPLE ID	LAB ID	SAMPLING DATE TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	Misc. COMMENTS
040121-1		1/21/04 0900	W	1		X		Fish BioAssay (LC-50)  ASSOCIATED LAB

Company Name: Enviro-Chem, Inc.  
Address: 1214 E. Lexington Avenue, Pomona, CA 91766-5519  
City/State/Zip:   
Project Contact: Curtis B. Desilets  
Project Name/ID: 040121-1  
Sampler's Signature: *[Signature]*  
Received by: *[Signature]* Date & Time: 1/21/04 1500  
Received by: *[Signature]* Date & Time: 1/21/04 1730  
Relinquished by: *[Signature]*  
Relinquished by: *[Signature]*

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE - YELLOW TO CLIENT