

03 February 2010

**REPSG, Inc**

Mark Kuczynski  
PO Box 5377, 6901 Kingsessing Ave, 2nd Fl  
Philadelphia, PA 19142

RE: Germantown Friends Tennis Court Farm

**Laboratory ID #: KTB0004**

Enclosed are the results of analyses for samples received by the laboratory on 01/29/10 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Jill Miller". The signature is written in dark ink on a light-colored rectangular background.

Jill Miller  
Project Manager

REPSG, Inc  
PO Box 5377, 6901 Kingsessing Ave, 2nd Fl  
Philadelphia PA, 19142

Project: Germantown Friends Tennis Court Farm  
Project Number: 4082  
Project Manager: Mark Kuczynski

**Reported:**  
02/03/10 15:46

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-001	KTB0004-01	Soil	01/29/10 11:00	01/29/10 16:30

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Jill Miller, Project Manager

REPSG, Inc PO Box 5377, 6901 Kingsessing Ave, 2nd Fl Philadelphia PA, 19142	Project: Germantown Friends Tennis Court Farm Project Number: 4082 Project Manager: Mark Kuczynski	<b>Reported:</b> 02/03/10 15:46
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**Priority Pollutant Metals by EPA 6000/7000 Series Methods**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-001 (KTB0004-01) Soil    Sampled: 01/29/10 11:00    Received: 01/29/10 16:30</b>									
Antimony	ND	5.0	mg/kg dry	1	10B0019	02/02/10	02/02/10	EPA 6010B	
<b>Arsenic</b>	<b>22</b>	1.0	"	"	"	"	"	"	
<b>Beryllium</b>	<b>0.28</b>	0.20	"	"	"	"	"	"	
<b>Cadmium</b>	<b>1.4</b>	1.0	"	"	"	"	"	"	
<b>Chromium</b>	<b>16</b>	2.5	"	"	"	"	"	"	
<b>Copper</b>	<b>15</b>	2.5	"	"	"	"	"	"	
<b>Lead</b>	<b>44</b>	1.0	"	"	"	"	"	"	
<b>Nickel</b>	<b>9.5</b>	2.5	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Silver	ND	1.0	"	"	"	"	"	"	
<b>Zinc</b>	<b>53</b>	2.5	"	"	"	"	"	"	

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 Project Manager: Mark Kuczynski

**Reported:**  
 02/03/10 15:46

**Total Metals by EPA 6000/7000 Series Methods**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-001 (KTB0004-01) Soil    Sampled: 01/29/10 11:00    Received: 01/29/10 16:30</b>									
Mercury	ND	0.100	mg/kg dry	1	10B0041	02/03/10	02/03/10	EPA 7471A	
Thallium	ND	1.0	"	"	10B0019	02/02/10	02/02/10	EPA 6010B	R2

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Project: Germantown Friends Tennis Court Farm  
Project Number: 4082  
Project Manager: Mark Kuczynski

**Reported:**  
02/03/10 15:46

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-001 (KTB0004-01) Soil    Sampled: 01/29/10 11:00    Received: 01/29/10 16:30</b>									
Acetone	ND	500	ug/kg dry	50	10A0394	02/01/10	02/02/10	EPA 8260B	
Benzene	ND	200	"	"	"	"	"	"	
Bromodichloromethane	ND	200	"	"	"	"	"	"	
Bromoform	ND	200	"	"	"	"	"	"	
Bromomethane	ND	200	"	"	"	"	"	"	
2-Butanone	ND	500	"	"	"	"	"	"	
Carbon disulfide	ND	200	"	"	"	"	"	"	
Carbon tetrachloride	ND	200	"	"	"	"	"	"	
Chlorobenzene	ND	200	"	"	"	"	"	"	
Chlorodibromomethane	ND	200	"	"	"	"	"	"	
Chloroethane	ND	200	"	"	"	"	"	"	
Chloroform	ND	200	"	"	"	"	"	"	
Chloromethane	ND	250	"	"	"	"	"	"	
1,1-Dichloroethane	ND	200	"	"	"	"	"	"	
1,2-Dichloroethane	ND	200	"	"	"	"	"	"	
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	200	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	200	"	"	"	"	"	"	
Ethylbenzene	ND	200	"	"	"	"	"	"	
2-Hexanone	ND	500	"	"	"	"	"	"	
Methylene chloride	ND	400	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	200	"	"	"	"	"	"	
Styrene	ND	200	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	200	"	"	"	"	"	"	
Tetrachloroethene	ND	200	"	"	"	"	"	"	
Toluene	ND	200	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	200	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	200	"	"	"	"	"	"	
Trichloroethene	ND	200	"	"	"	"	"	"	

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Project: Germantown Friends Tennis Court Farm  
 Project Number: 4082  
 Project Manager: Mark Kuczynski

**Reported:**  
 02/03/10 15:46

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-001 (KTB0004-01) Soil    Sampled: 01/29/10 11:00    Received: 01/29/10 16:30</b>									
Trichlorofluoromethane	ND	200	ug/kg dry	50	10A0394	02/01/10	02/02/10	EPA 8260B	
Vinyl chloride	ND	200	"	"	"	"	"	"	
Xylenes (total)	ND	250	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95.7 %	85-122		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	85-130		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.6 %	88-111		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		94.5 %	83-122		"	"	"	"	

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Project Manager: Mark Kuczynski

**Reported:**  
02/03/10 15:46

**Semivolatile Organic Compounds by EPA Method 8270C**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-001 (KTB0004-01) Soil    Sampled: 01/29/10 11:00    Received: 01/29/10 16:30</b>									
Acenaphthene	ND	1300	ug/kg dry	10	10B0020	02/02/10	02/02/10	EPA 8270C	
Acenaphthylene	ND	1300	"	"	"	"	"	"	
Aniline	ND	1300	"	"	"	"	"	"	
Anthracene	ND	1300	"	"	"	"	"	"	
Benzoic acid	ND	6300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	1300	"	"	"	"	"	"	M1
Benzo (a) pyrene	ND	1300	"	"	"	"	"	"	M1
Benzo (b) fluoranthene	ND	1300	"	"	"	"	"	"	M1
Benzo (g,h,i) perylene	ND	1300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	1300	"	"	"	"	"	"	
Benzyl alcohol	ND	1300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	1300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	1300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	1300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	4200	"	"	"	"	"	"	
4-Bromophenyl-phenyl ether	ND	1300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	1300	"	"	"	"	"	"	
4-Chloroaniline	ND	1300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	1300	"	"	"	"	"	"	
2-Chlorophenol	ND	1300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	1300	"	"	"	"	"	"	
Chrysene	ND	1300	"	"	"	"	"	"	M1
Dibenz (a,h) anthracene	ND	1300	"	"	"	"	"	"	
Dibenzofuran	ND	1300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1300	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1300	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	6300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1300	"	"	"	"	"	"	
Diethyl phthalate	ND	1300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1300	"	"	"	"	"	"	
Dimethyl phthalate	ND	1300	"	"	"	"	"	"	

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**Reported:**  
02/03/10 15:46

**Semivolatile Organic Compounds by EPA Method 8270C**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-001 (KTB0004-01) Soil    Sampled: 01/29/10 11:00    Received: 01/29/10 16:30</b>									
Di-n-butyl phthalate	ND	4200	ug/kg dry	10	10B0020	02/02/10	02/02/10	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	6300	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	6300	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	1300	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1300	"	"	"	"	"	"	
Diphenylamine	ND	1300	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	1300	"	"	"	"	"	"	C
<b>Fluoranthene</b>	<b>1300</b>	1300	"	"	"	"	"	"	M1
Fluorene	ND	1300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1300	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1300	"	"	"	"	"	"	
Hexachloroethane	ND	1300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	1300	"	"	"	"	"	"	
Isophorone	ND	1300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	1300	"	"	"	"	"	"	
2-Methylphenol	ND	1300	"	"	"	"	"	"	
3&4-Methylphenol	ND	1300	"	"	"	"	"	"	
Naphthalene	ND	1300	"	"	"	"	"	"	
2-Nitroaniline	ND	2500	"	"	"	"	"	"	
3-Nitroaniline	ND	2500	"	"	"	"	"	"	
4-Nitroaniline	ND	2500	"	"	"	"	"	"	
Nitrobenzene	ND	1300	"	"	"	"	"	"	
2-Nitrophenol	ND	1300	"	"	"	"	"	"	
4-Nitrophenol	ND	6300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	1300	"	"	"	"	"	"	
Pentachlorophenol	ND	6300	"	"	"	"	"	"	
Phenanthrene	ND	1300	"	"	"	"	"	"	M1
Phenol	ND	1300	"	"	"	"	"	"	
Pyrene	ND	1300	"	"	"	"	"	"	M1
1,2,4-Trichlorobenzene	ND	1300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	6300	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1300	"	"	"	"	"	"	

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**Semivolatile Organic Compounds by EPA Method 8270C**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>SS-001 (KTB0004-01) Soil    Sampled: 01/29/10 11:00    Received: 01/29/10 16:30</b>									
<i>Surrogate: 2-Fluorophenol</i>		76.6 %	36-111		10B0020	02/02/10	02/02/10	EPA 8270C	
<i>Surrogate: Phenol-d6</i>		84.5 %	48-106		"	"	"	"	
<i>Surrogate: Nitrobenzene-d5</i>		75.7 %	47-106		"	"	"	"	
<i>Surrogate: 2-Fluorobiphenyl</i>		99.3 %	54-106		"	"	"	"	
<i>Surrogate: 2,4,6-Tribromophenol</i>		82.2 %	37-122		"	"	"	"	
<i>Surrogate: Terphenyl-d14</i>		114 %	64-118		"	"	"	"	

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**General Chemistry**  
**TestAmerica King Of Prussia**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SS-001 (KTB0004-01) Soil    **Sampled: 01/29/10 11:00**    **Received: 01/29/10 16:30**

% Solids	82.0	0.01	% by Weight	1	10B0042	02/03/10	02/03/10	EPA 160.3	
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Project Number: 4082  
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**Reported:**  
02/03/10 15:46

### Notes and Definitions

RL8 Reporting limit adjusted to reflect sample amount received and/or analyzed.

RL1 Reporting limit raised due to sample matrix effects.

R2 The RPD exceeded the acceptance limit.

M1 The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

C Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

DET Analyte DETECTED

ND Analyte NOT DETECTED above reporting limit. If MDL is provided, analyte is NOT DETECTED above the MDL

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## CHAIN OF CUSTODY REPORT

1008 W. Ninth Avenue  
King of Prussia, PA 19406  
(610) 337-9992  
FAX (610) 337-9990

Client: <b>REPSG, Inc</b>	Bill To: <b>SAME</b>	DATE RECEIVED		DATE RELINQUISHED	
Address: <b>690 Kingsessing Ave Phila, Pa 19142</b>		Phone #: <b>(215) 729-1551</b>	State & Program: <b>PA</b>	DATE TIME	
E-mail: <b>mbuczynski</b>	Fax #: <b>(215) 729-3220</b>	Address:		DATE TIME	
Project Name: <b>Germantown Friends Tennis Court Farm</b>	Phone #: <b>(215) 729-1551</b>	Address:		DATE TIME	
Project #/PO#: <b>4082</b>	Fax #: <b>(215) 729-3220</b>	Address:		DATE TIME	
Sampler: <b>J. Naples</b>	Phone #: <b>(215) 729-1551</b>	Address:		DATE TIME	
FIELD ID, LOCATION	Fax #: <b>(215) 729-3220</b>	Address:		DATE TIME	
<b>1</b> <b>SS-001</b>	<b>12/29/10</b>	<b>1100</b>	<b>S</b>	<b>12/29/10</b>	
<b>2</b>					
<b>3</b>					
<b>4</b>					
<b>5</b>					
<b>6</b>					
<b>7</b>					
<b>8</b>					
<b>9</b>					
<b>10</b>					

  

RELINQUISHED	DATE RECEIVED	TIME RECEIVED	DATE RELINQUISHED	TIME RELINQUISHED
<i>(Signature)</i>	<b>12/29/10</b>	<b>16:30</b>	<b>12/29/10</b>	<b>16:30</b>

  

RECEIVED	DATE	TIME	RECEIVED	DATE	TIME

LABORATORY ID NUMBER	SAMPLE CONTROL	ANALYSIS TYPE	DATE RECEIVED	TIME RECEIVED
<b>NTB0004-01</b>	<b>CRACKED-BROKEN</b> <b>IMPROPERLY SEALED</b>	<b>XXX</b> <b>VCS</b> <b>SXCS</b> <b>SPFL</b> <b>SPFL metals</b>		

DATE RESULTS NEEDED: **0**

Terms: Net 30 days

Deliverable Package:  NO  YES

Received:  ice  ambient

Phone #: ( )  
Fax #: ( )

Address: ( )

DATE COLLECTED: **12/29/10** TIME COLLECTED: **1100**

SAMPLE MATRIX: **S**

# of Bottles Preservative Used: **NAOH**  
**H2SO4**  
**HNO3**  
**HCl**  
**DI**  
**MeOH**  
**NONE**

LABORATORY ID NUMBER: **NTB0004-01**

RECEIVED DATE: **12/29/10** TIME: **16:30**

RELINQUISHED DATE: **12/29/10** TIME: **16:30**

COMMENTS: **Encores provided @ 1740 1/29/10**

TAL 4124-450 (0500)

4815 Wiss Ave, Phila, Pa  
Attn: Robert Smith

PAGE **1** OF **1**

**Cooler Receipt Form**

WORK ORDER #: KTB0004

Client: REPSG

Project: Germantown Friends Tennis

Court Farm

Temperature Upon Receipt by IR: 0 °C

Cooler received from: TA Courier Client FedEx UPS Other: \_\_\_\_\_

<b>For Received Shipments only:</b>	
Number of Coolers: <u>1 2 3+</u>	Custody Seals Intact? <u>Y N</u>
Ice Present? <u>Y N N/A Melted</u>	Packing Material: <u>Bubble Wrap Other None</u>

Voa Vials have air bubbles > 6mm? Y N N/A

ALL preserved containers (except VOA) checked for correct pH and are acceptable? Y N N/A

Residual Chlorine checks done on each container that needs it? Y N N/A

Sufficient volume for all analyses? Y N

All Sample Containers Intact: Y N

All Sample Containers labeled: Y N

All Sample Containers received: Y N

All Container labels match COC: Y N

**List Discrepancies below if indicated:**

Cooler Temperature: \_\_\_\_\_

Broken bottles: \_\_\_\_\_

Insufficient Volume: \_\_\_\_\_

Preservative Issues: \_\_\_\_\_

Samples preserved @ login (list each, amount & type added, time & date): \_\_\_\_\_

Headspace in VOAs: \_\_\_\_\_

Labels missing/illegible: \_\_\_\_\_

Hold Times: \_\_\_\_\_

**Review COC against Sample Acceptance Checklist:**

- |   |            |    |
|---|------------|----|
| 1. Client Name & Address present                                | <u>Yes</u> | No |
| 2. Project Name and/or Number included                          | <u>Yes</u> | No |
| 3. Field Sampler Name listed                                    | <u>Yes</u> | No |
| 4. Field ID/Location - one sample per line                      | <u>Yes</u> | No |
| 5. Date collected (for each sample)                             | <u>Yes</u> | No |
| 6. Time collected (for each sample)                             | <u>Yes</u> | No |
| 7. Matrix (for each sample)                                     | <u>Yes</u> | No |
| 8. Number & Types of bottles per sample (and preservation type) | <u>Yes</u> | No |
| 9. Analysis Requested   | <u>Yes</u> | No |
| 10. Sign & Date in the Relinquished Box                         | <u>Yes</u> | No |

Discrepancies: \_\_\_\_\_

Spec Sheet/CAR#: \_\_\_\_\_ PM or Client contacted? Y N N/A

Signature: [Signature]

Date/Time: 2/1/10